B.SMART

WEB APPLICATION

USER MANUAL

INDEX

1. INTRODUCTION

This manual explains how to use the B.SMART web application (hereinafter referred to as the Web App or Web Application) and its features.

1.1. General information

The B.SMART Web App allows you to manage your system and its data, including device configurations, driver profiles, and registration numbers.

Through the Web App, you can apply configurations to the system that will be transmitted to the devices via the B.SMART smartphone app.

1.2. Extensions

The Web App can be extended with additional features that can be unlocked by purchasing "add-ons," including "Fuel Economy," "Tank Watchdog," "Maply," and "Rental" (*see chapters and 14.3.3 14.4 for more information on add-ons*).

1.3. What's New

Compared to the previous version, the new version of B.SMART has introduced new features and improvements to the graphical interface and user experience.

Mobile-friendly

The B.SMART Web Application is now accessible on devices of any screen size: desktops, tablets, and smartphones. The interface adapts based on the screen size.

Views in reporting

The reporting pages feature user-specific views: filters that the user can apply and save with a name, retrieving them as needed. *For more information, see the chapter 10.1.*

Advanced filters

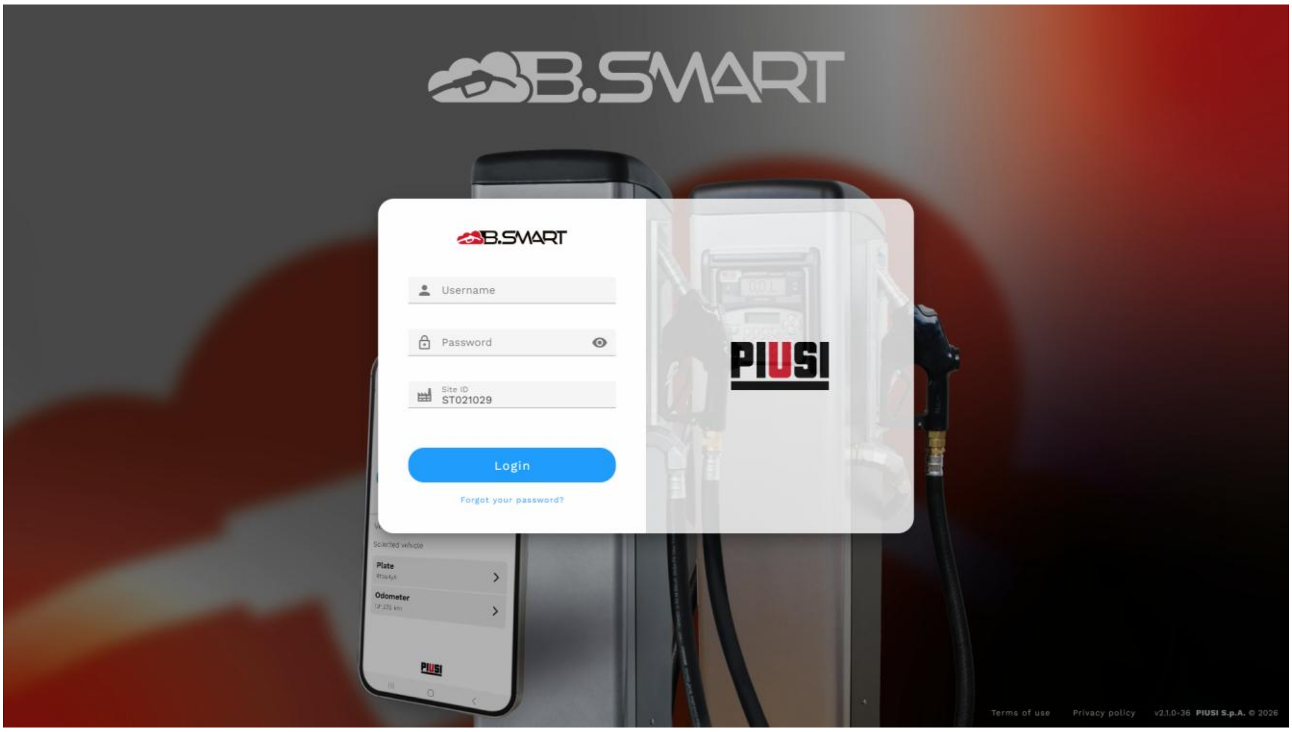
The data pages (drivers, vehicles, tanks, etc.) will be equipped with advanced filters, including sorting, grouping, and filters specific to the currently displayed data. *Refer to the chapter 5.1 for more information.*

2. LOGIN

To access the Web App, go to https://bsmart.piusi.com and log in by entering the following in the fields on the right side of the login screen:

- **Username** (the same one used to log in to the portal)
- **Password** (the same one used to register on the portal)
- **Site Code** (received via email after registering on the portal)

and finally clicking the Login.

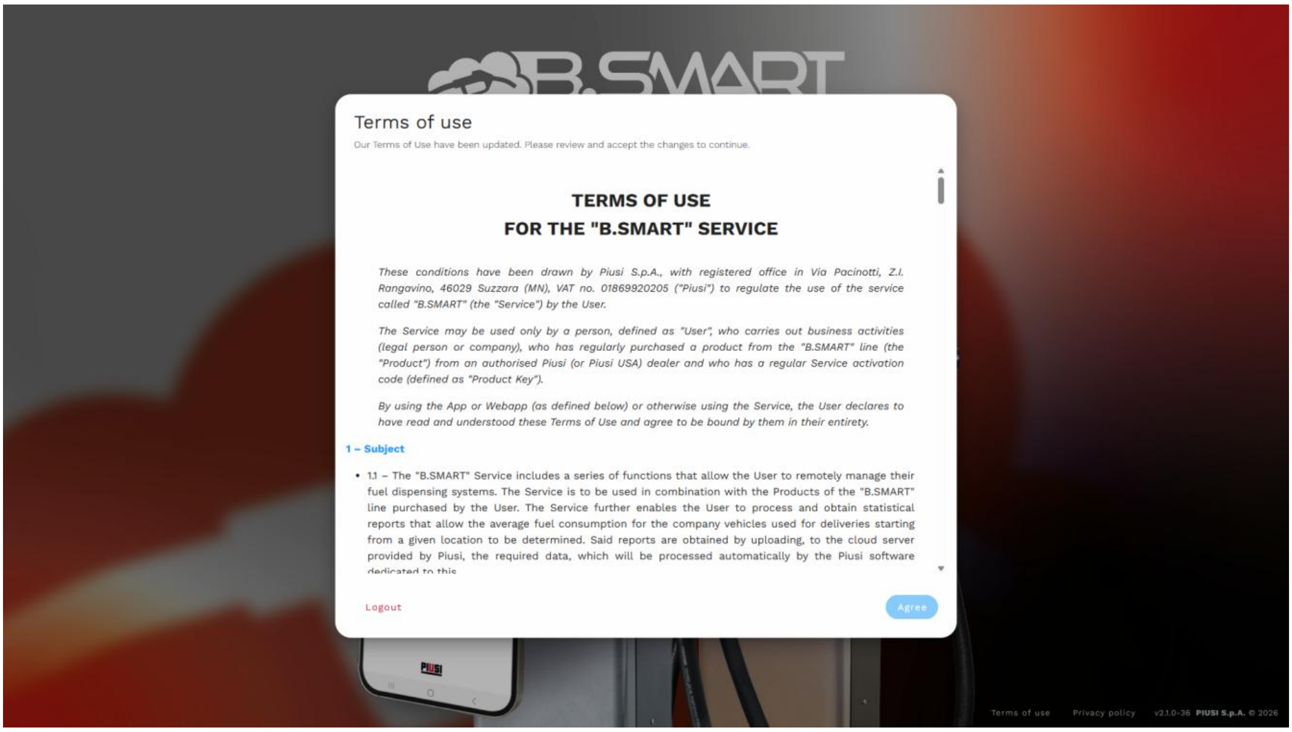


2.1. Preliminary operations

After logging in, you may need to perform some preliminary steps, as described in the following paragraphs.

2.1.1. Acceptance of Terms and Conditions of Use

The terms of use for the B.SMART system must be accepted upon the user's first login.



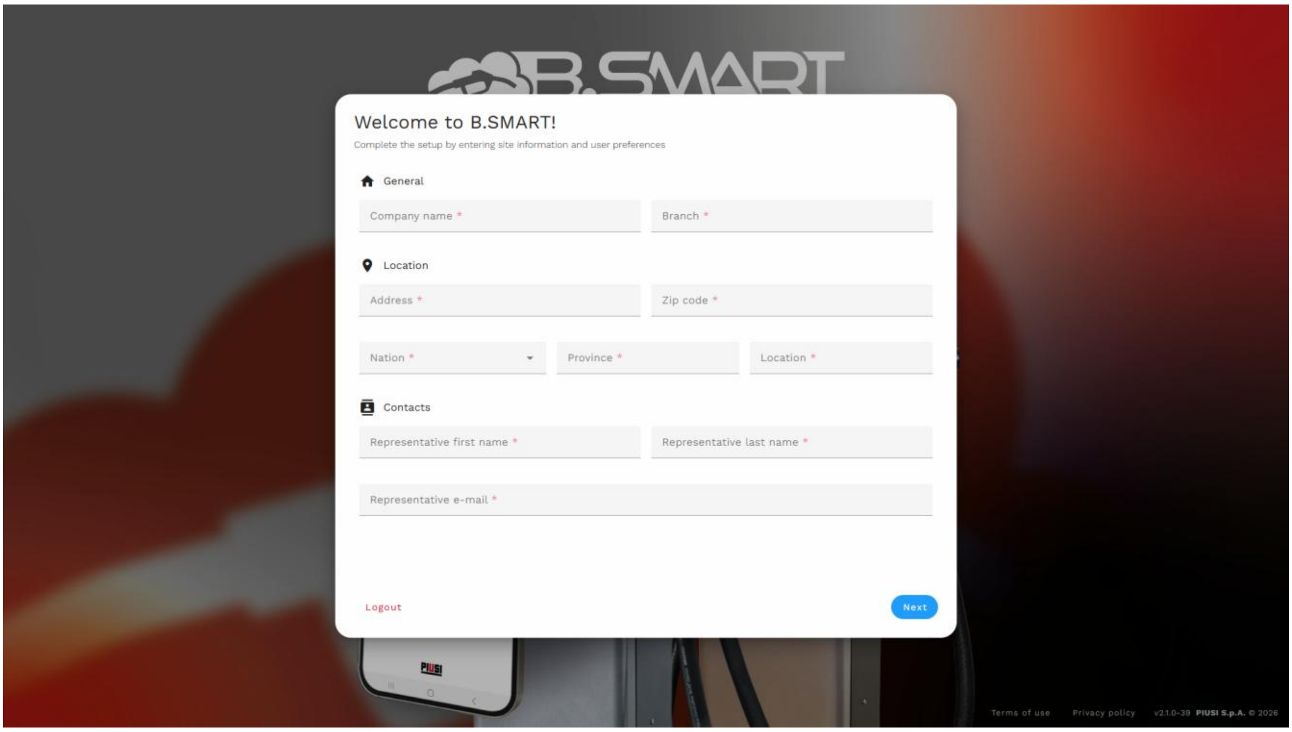
Additionally, in the event that:

- The terms and conditions of use have never been accepted, or
- The terms and conditions of use have changed

A modal window containing the updated terms will appear. You will need to read them before you can click the acceptance button in the bottom right corner.

2.1.2. Portal Data Configuration

This section will appear only upon the first login to the B.SMART Web App for all and only those users who have just registered the product on the PIUSI portal.

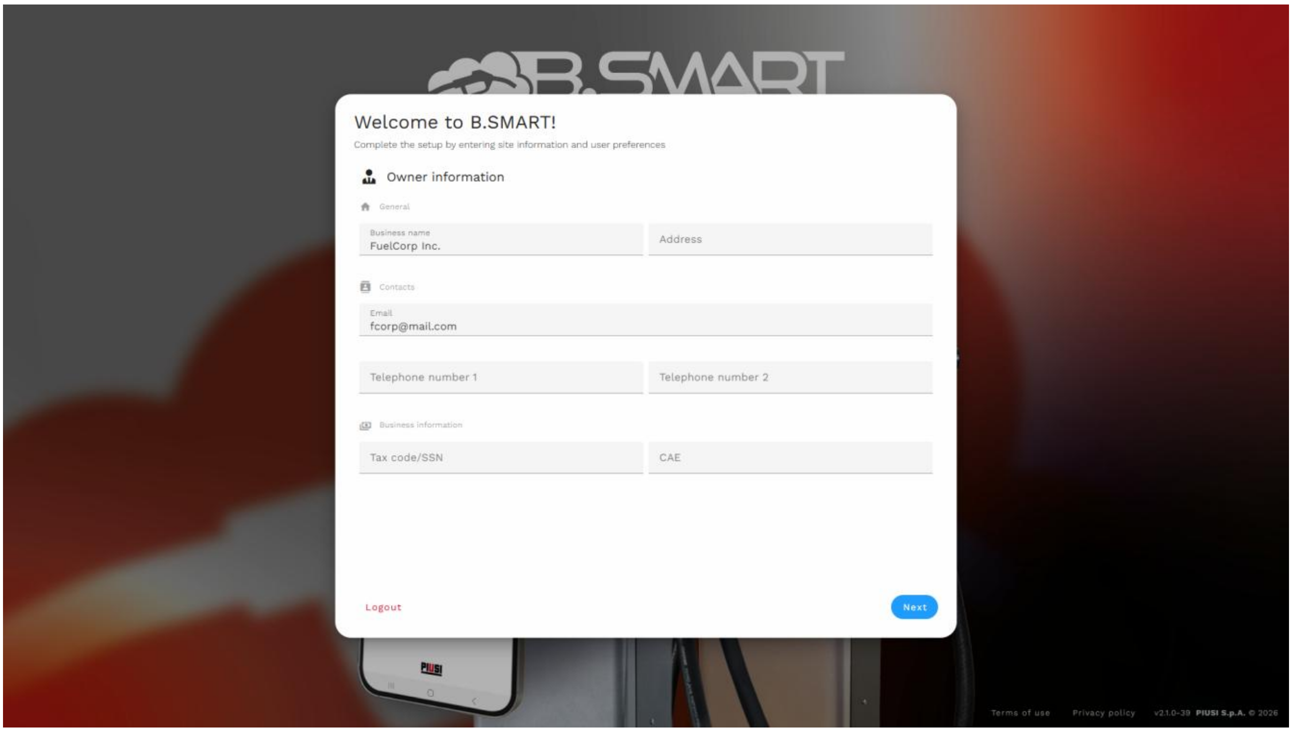


In this section, where all fields are required, you must enter information regarding the company and the representative's contact details.

Once all information has been entered, click the "Next" button to proceed with the initial setup.

2.1.3. System data configuration

The new version of B.SMART requires the “Owner Company Name” and “Owner Email” fields to be filled out.



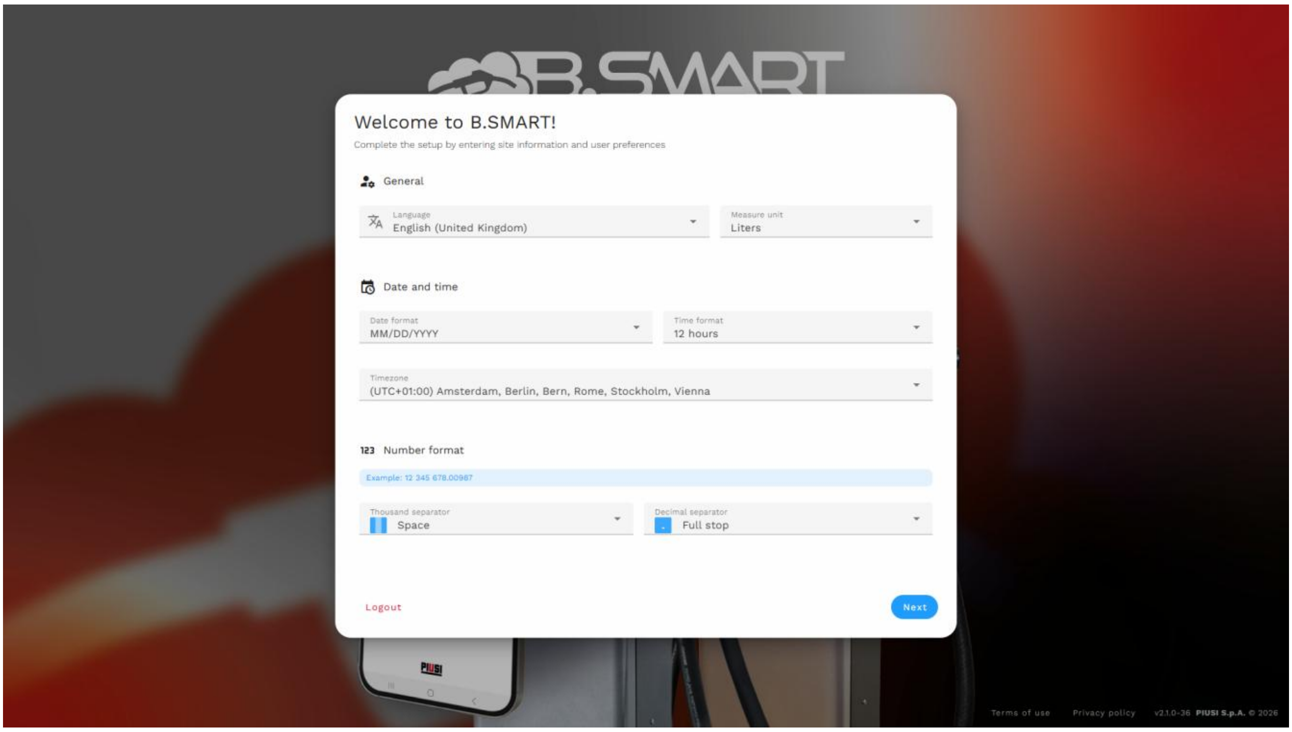
If even one of these two fields has not been filled in, a section will appear where you must enter the missing required values before proceeding.

Note

The values for the “Owner Company Name” and “Owner Email” fields, entered during registration on the PIUSI portal, will be automatically populated and set by the system. This screen will not appear for portal users logging in for the first time.

2.1.4. User Preferences Configuration

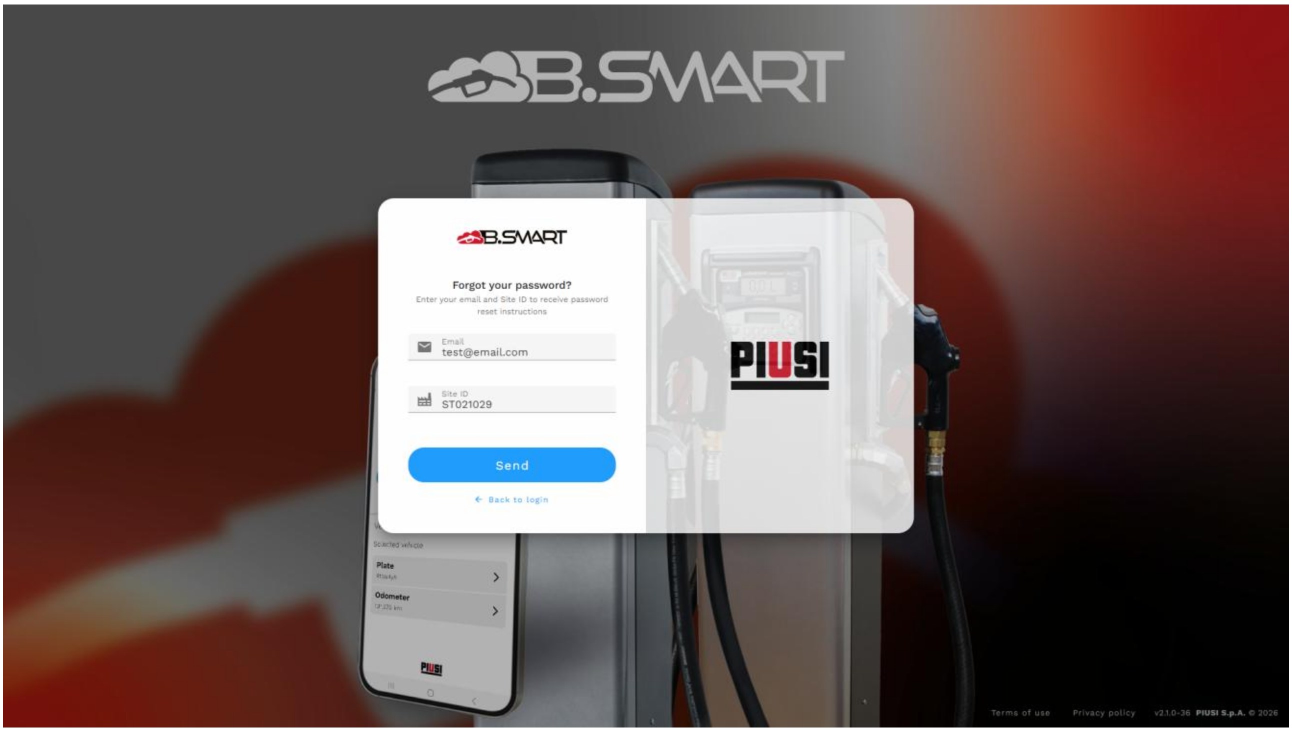
Upon first login, this optional user preferences section will be displayed.



These preferences are pre-filled by the system with default values. You can click the “Next” button without changing anything or, alternatively, modify the preferences as desired and click Next. This saves the settings you just configured and allows you to proceed.

2.2. Password Recovery

By clicking the button `Forgot your password?` below the Login button, you can start the password reset process.



Simply enter your email address, the site where you are registered, and click the `Send` button to receive an email with instructions on how to reset your password.

3. MENU LAYOUT

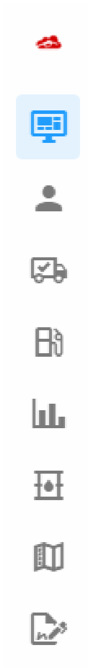
Once you've logged in, you can start using the Web App itself. Let's look at the menu layout.

3.1. Header

The application header contains:

- On the left, the name of the currently displayed page.
- In the center, the application logo, which, when clicked, takes you to the home page (*Dashboard, see chapter 4*).
- On the right:
    - The notifications menu
    - the help menu (see chapter 15)
    - Settings (see chapter 14.2)
    - the user menu (see chapter 14.1)

3.2. Navigation bar



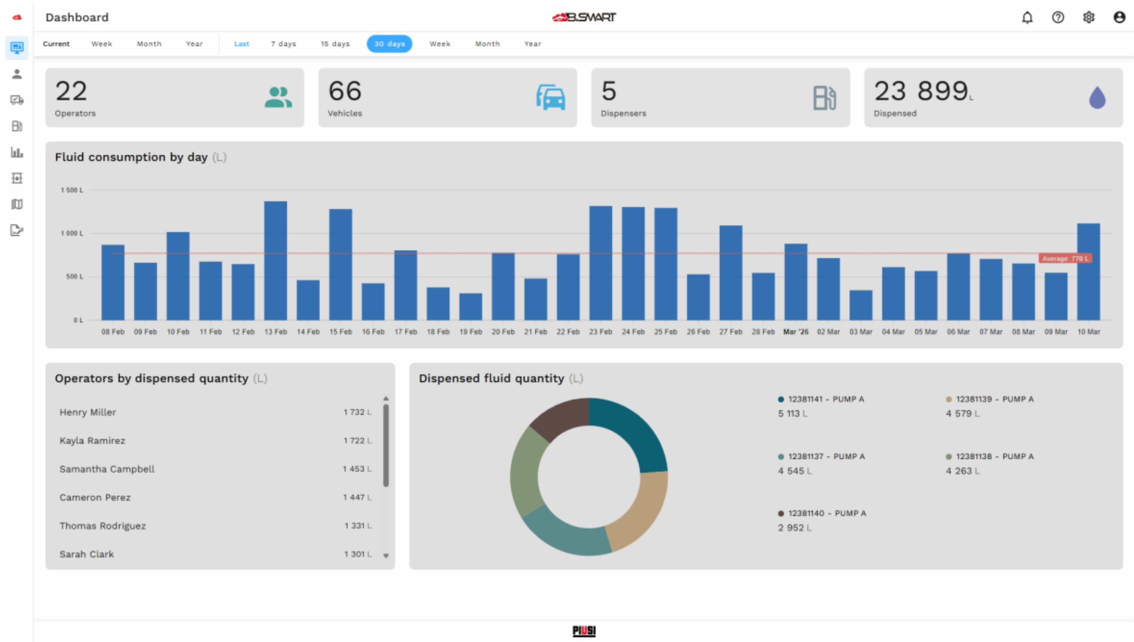
The navigation bar, shown on the right, allows you to navigate between the various pages. It can be displayed in two ways: compact or expanded.

To switch between the two views, simply click the logo at the top:

	Icon to expand the navigation bar
PIUSI B.SMART	Icon to collapse the navigation bar

4. DASHBOARD

The first page you'll be redirected to is the "Dashboard," which provides an overview of the system's performance through "widgets" containing data and statistics.



Using the bar at the top, you can select the time period for which to view the data:

- Current week, month, or year
- Last 7, 15, or 30 days, last week, last month, or last year

Note

The Dashboard time period setting will be saved locally and reset to its default value in these two cases:

- upon manual logout
- when browser data is cleared

This data is **not** saved at the B.SMART user level.

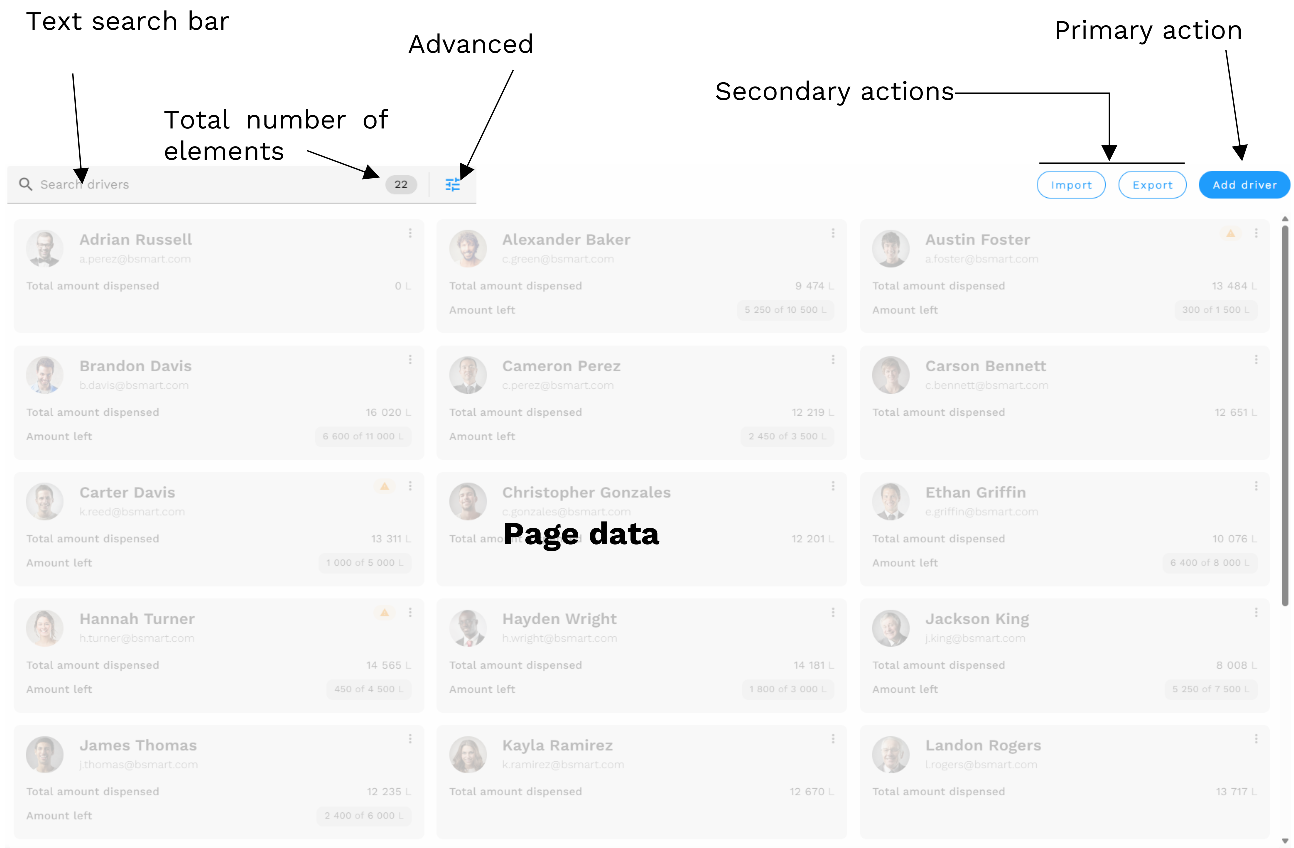
5. DATA VIEW PAGES

The B.SMART system allows you to view and manage different types of data, including drivers, devices, vehicles, tanks, etc.

All of this data and its management will be explained in detail in the following chapters.

In this chapter, we will look at the basic structure of a data display/management page and its main elements.

Let's take the content of the drivers page as an example:



- **Text search bar**
- **Total number of elements**

  Total number of available items.

- **Advanced filters**

  Explained in detail in the chapter 5.1.

- **Actions**

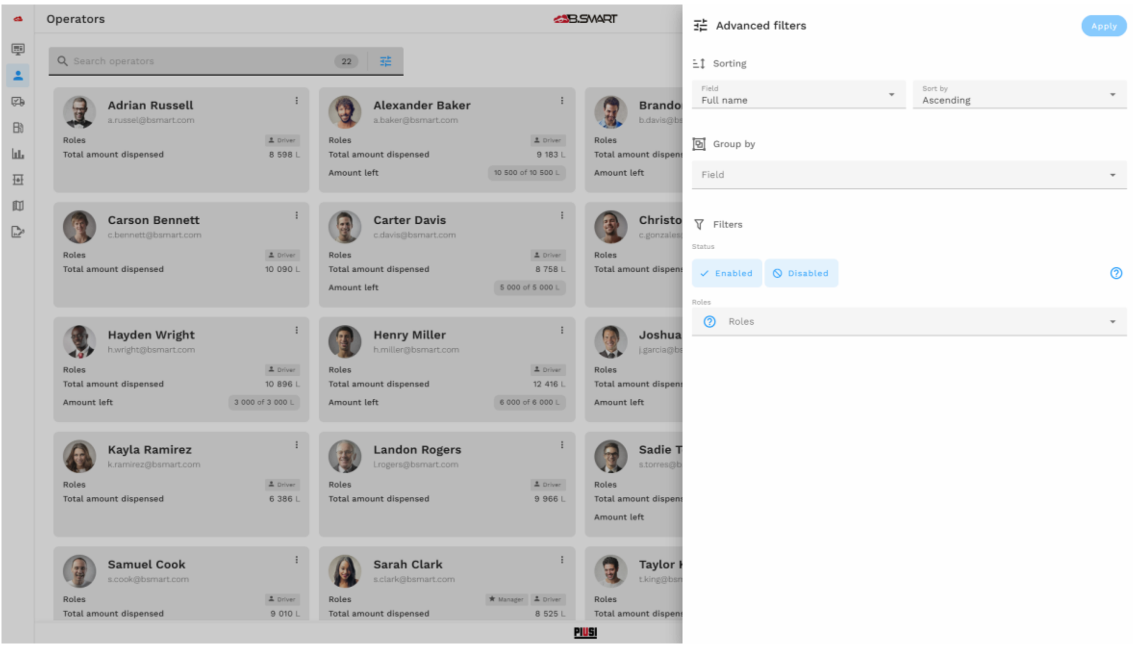
  Divided into primary (typically adding data) and secondary (typically import and/or export, if available).

- **Page data**

Container displaying page data in the form of cards (on devices with medium-to-large screens) or a list (on mobile devices).

5.1. Advanced filters

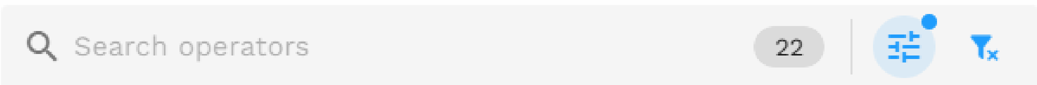
Clicking the icon in the text search bar will open a dropdown menu on the right, allowing you to set advanced filters for a more precise data search.



When modifying one or more advanced filters:

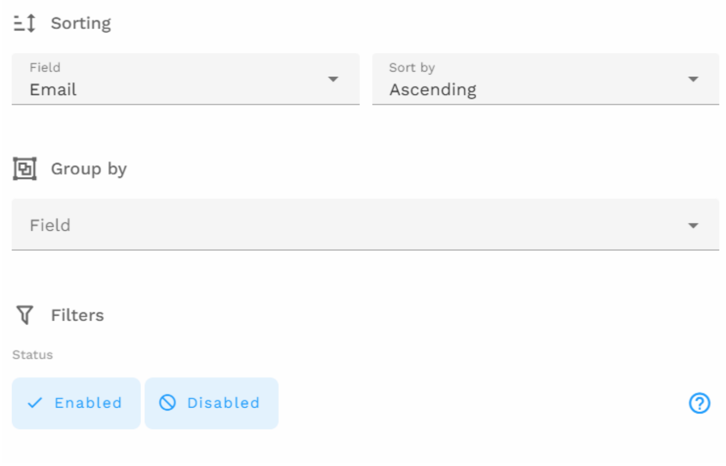
- The "Clear Filters" button Clear filters will appear in the top right corner: clicking it will reset the advanced filters to their default values.
- The button Apply in the upper right corner will become highlighted and clickable. Once clicked, the filters will be applied and the data will be searched again using the set advanced filters.

If the advanced filters have changed from their initial values, the text search bar will change as follows:



- The advanced filters icon will display a blue circle to indicate a change has been applied compared to the original
- A "Clear Filters" button will appear; clicking it will reset the advanced filters to their initial values without having to open the dropdown menu and click the button described above.

In general, advanced filters contain the following fields:



- **Sort Field**
  The fields of the currently displayed data on which you want to sort
- **Sort direction**

  Ascending or descending
- **Grouping field**

  The field of the currently displayed data on which you want to perform grouping
- **Advanced filters**

  Filter by status of the currently displayed data: enabled or disabled (*enabling and disabling data will be explained in later chapters*).

Note

Different pages may have additional, different, and/or more specialized advanced filters, depending on the page's filtering needs.

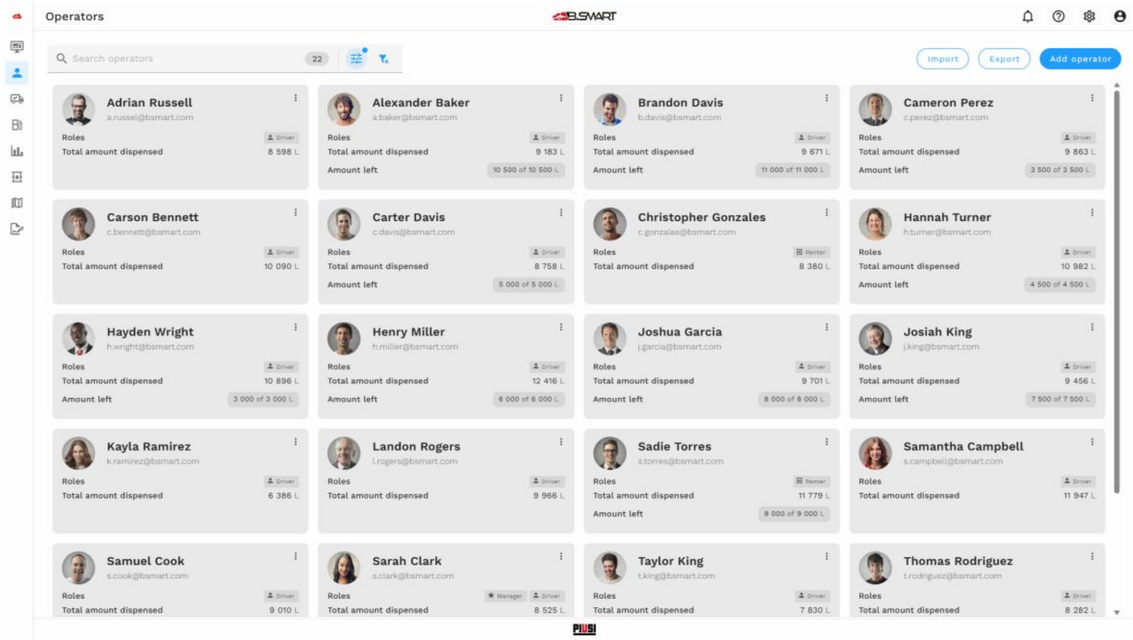
6. OPERATORS

The Operators section, accessible by clicking the corresponding menu icon (see figures below), allows you to manage the operators of your facility.

Drivers icon (compact menu)

Operators icon (expanded menu)

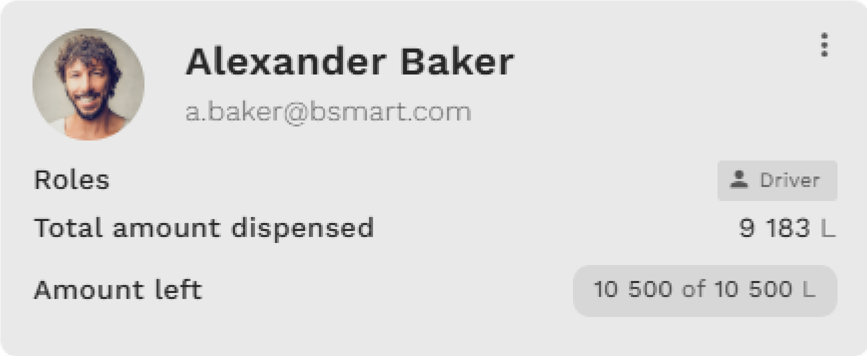
From this section, you can add, edit, delete, and search for system operators.



> ### Note
>
> If you wish to increase the maximum number of drivers, you must purchase a new *"Driver Access Add-On"* and activate it from the "Add-On" subsection of the settings (see chapter 14.3.3).

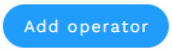
6.1. Information

An operator's main personal details can be viewed directly from their card in the list.

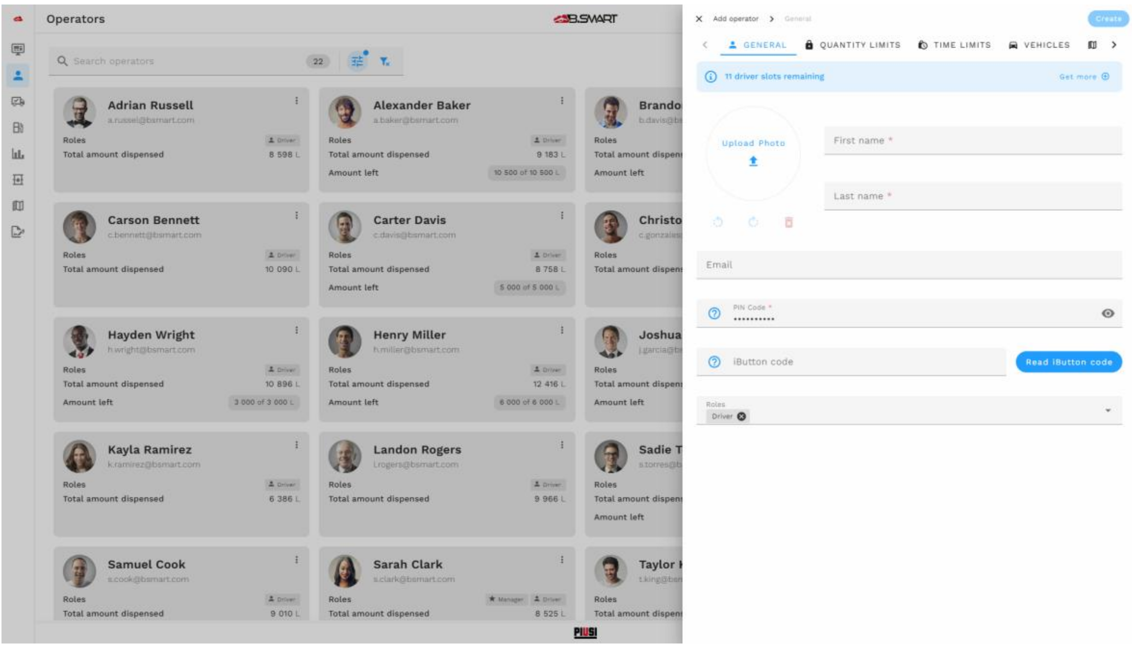


To view further details, simply tap on the card: a panel with detailed information will open where you can view and edit the data, as described in the following paragraph.

6.2. Add

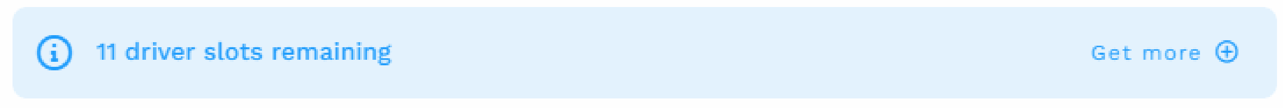
To add an operator, click the button in the top right corner .

A panel will open on the right with all the fields to fill out to create an operator. The fields are grouped and divided into tabs (or sections) based on the topic.



6.2.1. GENERAL Information Section

Note: An information card at the top will indicate how many “driver” slots are available:

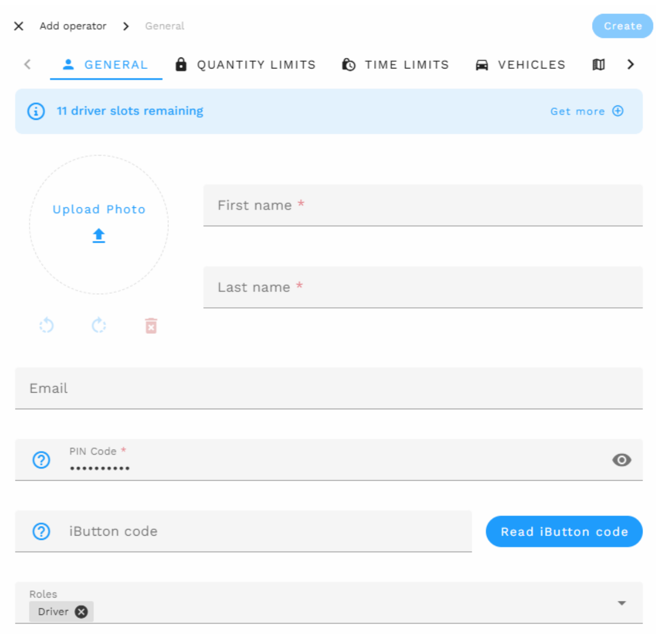


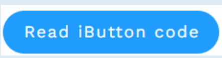
Once the available slots are exhausted, you will no longer be able to create a driver until additional slots are purchased.

In this section, you canfill in the driver’s personal information fields:

- **Image** (Optional)

  Driver identification photo. To upload an image, click on the designated circle.
- **Name** (Required)
  Driver's first name
- **Last Name** (Required)
  Driver's last name
- **Email** (Optional)
  Driver email.
- **PIN** (Required)
  Unique driver code. Required by the mobile app to authenticate the driver on the site and enable them to dispense fuel.
- **iButton Code** (Optional)
  Code printed on the iButton key. It is used by the driver to authenticate at the fuel pump instead of using a phone.



The iButton code can be entered manually by reading the code on the key or automatically using the dedicated reader to be connected to the PC.
In this case, you must install the *PIUSI IBUTTON READER* and, once installed, click the  .

For more information, see the chapter 15.

- **Role** (Required)

  Operator role. Operators can have one or more roles among Driver, Manager, and Renter.

> **Note**
>
> An operator can always have a single role (Driver only, Manager only, Renter only). As for multiple roles, the only allowed combination is Driver + Manager.
>
> The “Renter” role is only available with the MasterSite extension enabled (see chapter 13)

6.2.2. QUANTITY LIMITS Section.

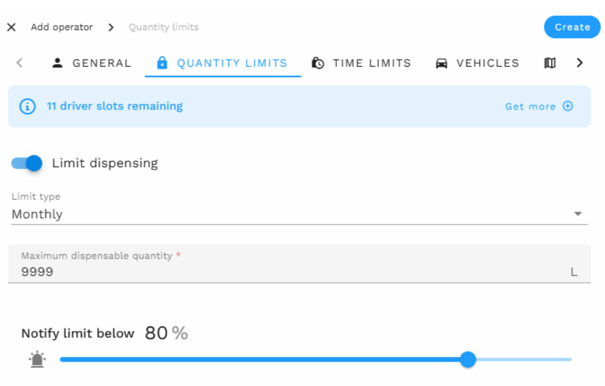
NOTE: This section is available only if the Fuel Economy add-on is active

From this section, you can set a limit on the amount an operator can dispense within a specific time period.

Once the maximum amount that can be dispensed within the period has been reached (i.e., the remaining amount is zero), the operator is blocked and can no longer dispense fuel from the station’s pumps.

At the end of the time period, the operator’s remaining quantity is reset to the maximum quantity that can be dispensed during that period.

- Dispensing Limit: a toggle button that allows you to enable or disable control over the limits on the amount dispensed.
  - If disabled, limits on dispensable quantities will not be applied. The operator will be able to dispense without any limits;
  - If enabled, the fields described below for setting limits will appear.



- **Period Type**:
  - **Monthly**
    The remaining amount is reset at the beginning of each month;
  - **Weekly**

Set the day of the week on which the remaining quantity is reset;

- **Daily**
  Set the number of days ("Number of days") after which, starting from a date of your choice ("start date"), the remaining quantity is reset;
- **None**
  No time limit is applied. There is no limit on the maximum amount that can be dispensed by the operator.

- **Maximum dispensable quantity**

  Maximum quantity of liters/gallons that can be dispensed by the operator from all the system's fuel dispensers within a given time period.
- **Alarm threshold** (as a percentage)

  If the percentage of remaining quantity relative to the maximum dispensable quantity falls below the set alarm threshold, an alarm is triggered (it will appear in the top right corner of the operator's card) to notify that the operator is about to exhaust their remaining quantity.

Warning!

- If the manager decides to change the defined period or the maximum dispensable quantity within that period, the count of the remaining quantity up to that point will be reset. External dispenses are not included in the calculation of the remaining quantity.
- The remaining quantity can be reset manually. *The procedure is explained in the section 6.4.3.*

A card will appear at the bottom of the quantity limit editing section containing explanations regarding the settings entered.

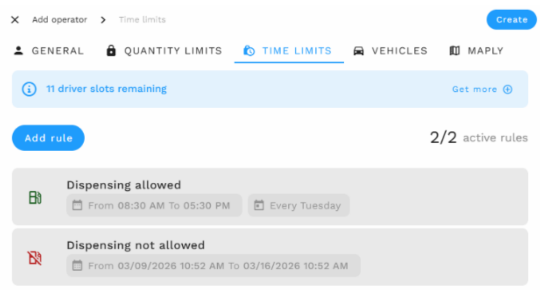
The driver is allowed to dispense 94 014 Liters every month
Driver dispensing availability: 94 014 L
Next reset: 07/10/2025 12:00 AM
You will be notified when the driver's available quantity reaches 13 161.960

6.2.3. TIME LIMITS Section

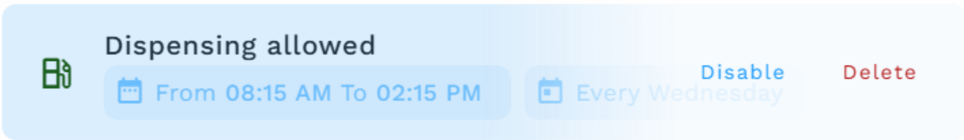
NOTE: This section is available only if the Fuel Economy add-on is active

From this section, you can set the operator's working hours to prevent dispensing from the system's pumps outside the configured time limits.

The added rules will be visible in a list of cards, where you can see the rule information at a glance.



Hovering the cursor over an item will display two actions:



- **Disable/Enable**

  To disable or enable a rule. Disabled rules will not be applied.

- **Delete**

  To delete a rule from the list

Clicking on an item in the list will open a panel on the right for editing the data.

Click the button Add rule to add a new time limit rule. The rule can be defined using two different types of limits:

- **Working Hours**

  Select the day of the week (defining a work time slot within the day) during which the operator is authorized to dispense. Outside the hours set for the specified day, the operator will not be authorized to dispense.

- **Closed Period**

  Select a time period during which the operator is not authorized to dispense. Outside the specified period, the operator is always authorized to dispense unless other limits are set.

If no rules are defined for time limits, the operator is always authorized to dispense at any time.

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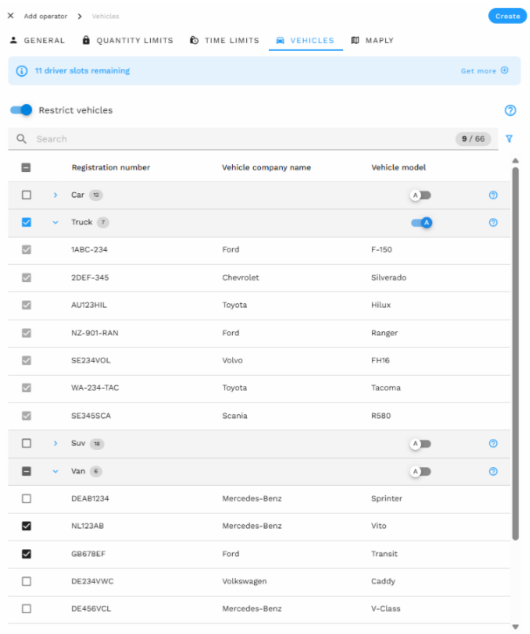
6.2.4. VEHICLES Section

NOTE: This section is available only if the Fuel Economy add-on is active



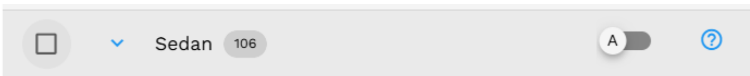
From this section, you can set for which vehicles or vehicle categories the operator is authorized to dispense. By default, every operator is authorized to dispense fuel for every vehicle in the system.

By clicking the Restrict vehicles at the top, you can manually select which vehicles to assign to the operator.

If this button is disabled, the operator will be authorized to refuel any vehicle and vehicle category.

If, on the other hand, the button is active, manual selection comes into play, allowing you to select, one by one, the vehicles (or categories) on which the operator is authorized to dispense fuel.

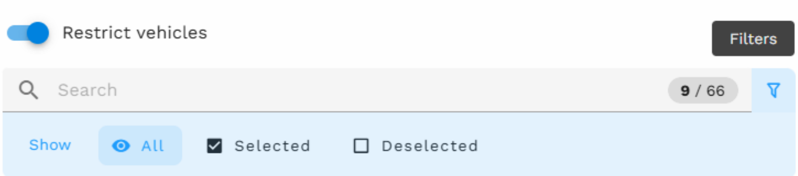
The list of vehicles is grouped and divided by category. Each header represents a category and can be collapsed.



Each header contains:

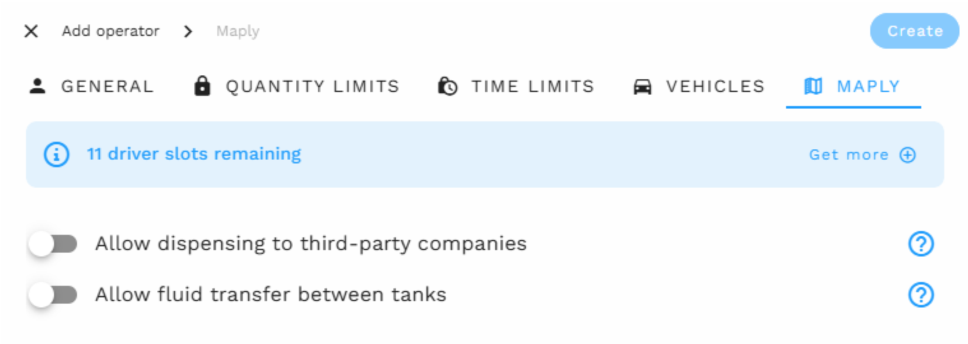
- A checkbox to select or deselect all child vehicles.
- An arrow to collapse/expand the vehicle sublist.
- Category name and number of vehicles in the sublist.
- A toggle button on the right for the category's automatic mode; 
  - If enabled, the category and all its child vehicles (including any vehicles of that category created from now on) will be automatically assigned to the driver, meaning the driver will be authorized to operate all the aforementioned vehicles.
  - If disabled, only the vehicles manually selected via the checkboxes on the left will be associated with the driver, meaning the driver will be authorized to refuel only the manually selected vehicles.

You can also search for vehicles using the dedicated search bar, and pressing the filter button on the right will display a section allowing you to filter vehicles by "all vehicles," "selected vehicles only," or "deselected vehicles only," respectively.



6.2.5. MAPLY Section

NOTE: This section is available only if the Maply add-on is active



- **Allow refueling of third-party registration numbers**

  If this option is enabled, the operator can choose to refuel third-party registration numbers during refueling (*see chapter 12.3*).

- **Allow transfer between tanks**

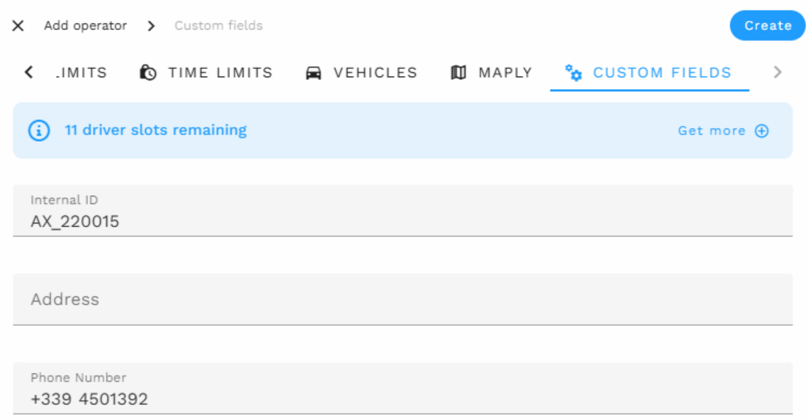
  NOTE: This option is available only if the Tank Watchdog add-on is active

  If this option is enabled, the operator can select a tank within the system during dispensing to perform a transfer.

6.2.6. CUSTOM FIELDS Section

NOTE: This section is available only if the "Enable custom fields" setting is active and custom fields have been set up for operators (see chapter 14.2.1).

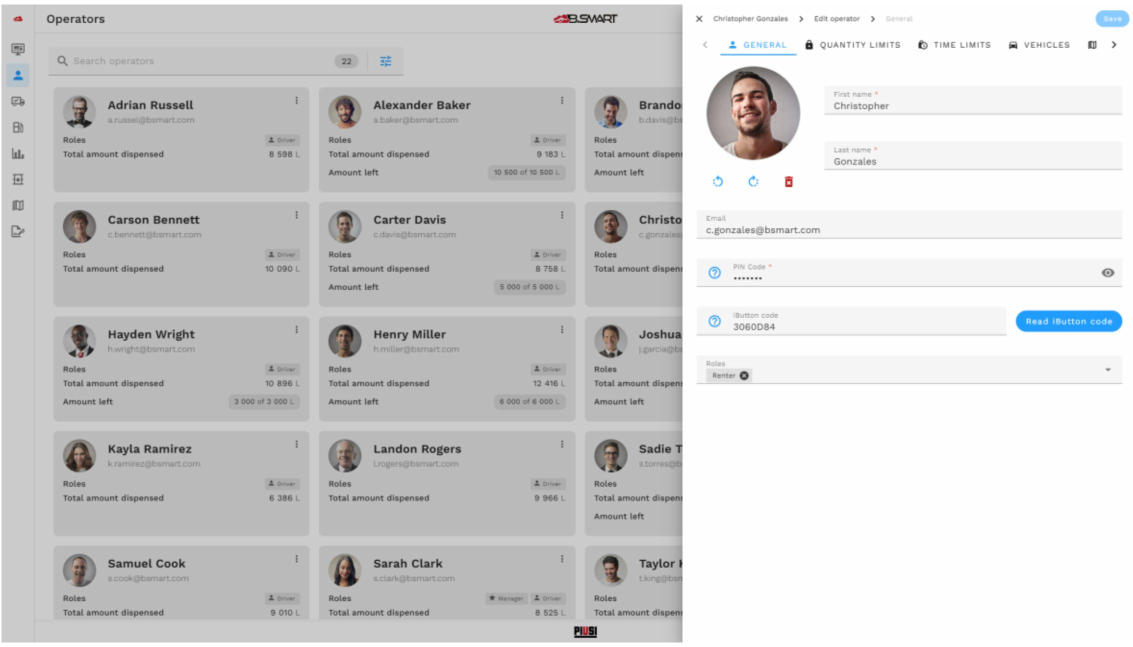
This section allows you to enter custom fields for the operator being created.



6.3. Edit

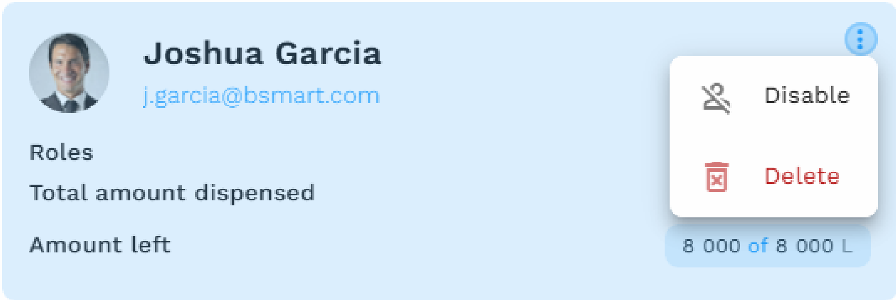
To edit an operator, click on the card. A panel will open on the right for editing the data.

The edit section contains the same forms and fields seen in the previous chapter. The only difference is in the displayed data: the fields will be pre-filled with the data of the selected operator and can be edited with the desired values.



6.4. Management Operations

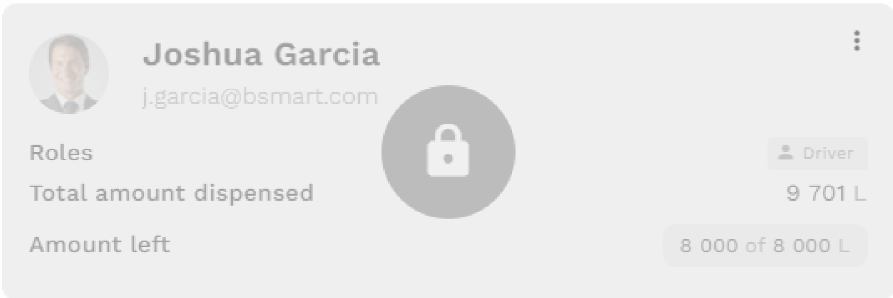
Clicking the three dots in the top right corner of an operator's card will display the actions available for that operator.



6.4.1. Disabling

Clicking "Disable" will disable the operator. A disabled operator will not be able to dispense from the system. You will be asked to confirm before disabling the operator.

A disabled operator will be displayed differently, with a padlock icon and partial transparency.



To reactivate the operator, click the three dots in the top right corner and select the "Enable" option. You will be asked to confirm before enabling an operator.

6.4.2. Deletion

Clicking "Delete" will remove the operator from the system. You will be asked to confirm before deleting.

6.4.3. Reset dispensed quantity

NOTE: This feature is available only if the Fuel Economy add-on is active and if the operator has a limit on the dispensable quantity.

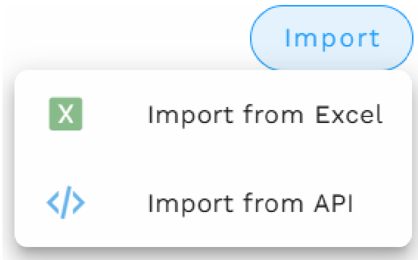
If the alarm icon appears on the operator's badge ( ), it means the operator has reached the maximum dispensable amount allowed for the period.

Hovering the cursor over the operator's card will display the button Reset that allows you to manually reassign this quantity before the system automatically resets it at the end of the set period.

6.5. Import

There are two ways to import operators:

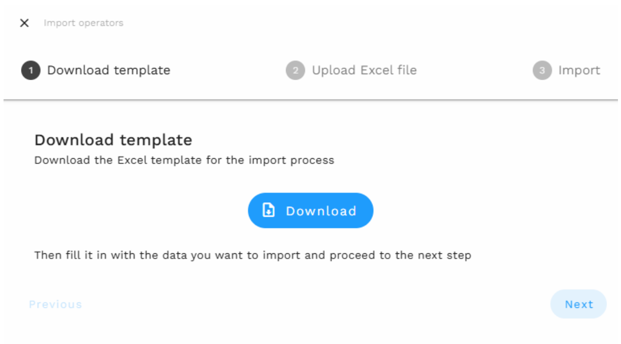
- Import via Excel
- Import via API



6.5.1. Excel Import

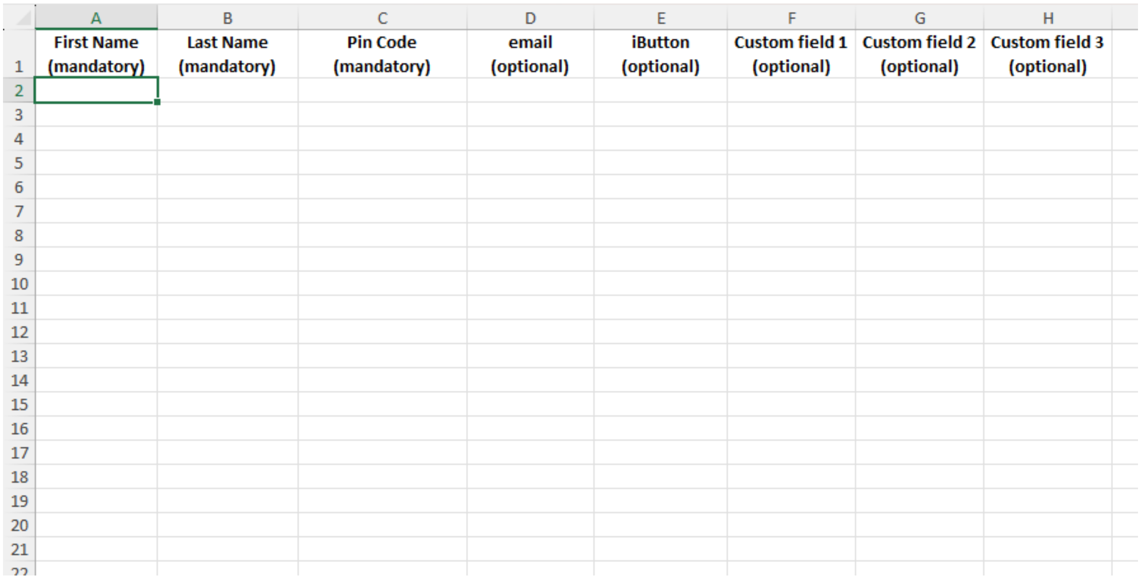
You can import operators from an Excel file by clicking on "Import from Excel.".

A sidebar will open on the right with a three-step process.



Download template

By clicking the button Download will download an Excel template with a blank table already set up for entering the operators.



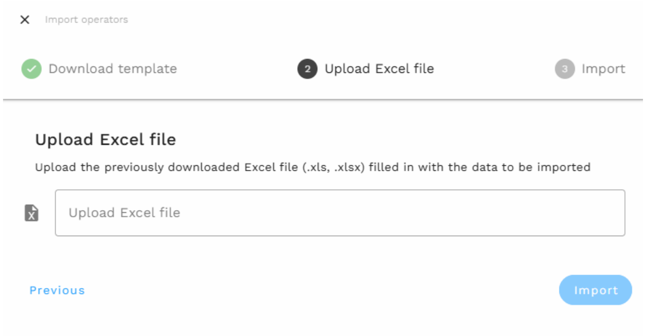
	A	B	C	D	E	F	G	H
1	First Name (mandatory)	Last Name (mandatory)	Pin Code (mandatory)	email (optional)	iButton (optional)	Custom field 1 (optional)	Custom field 2 (optional)	Custom field 3 (optional)

The Excel sheet must be filled in with the desired information. Each row represents an operator, and each column represents a field.

Once the Excel file has been filled out and saved, click the Next in the operator import section.

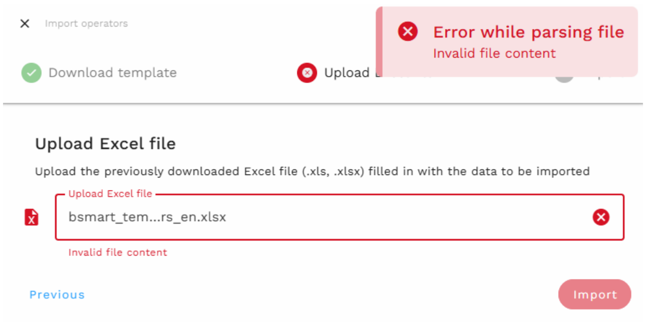
File Upload

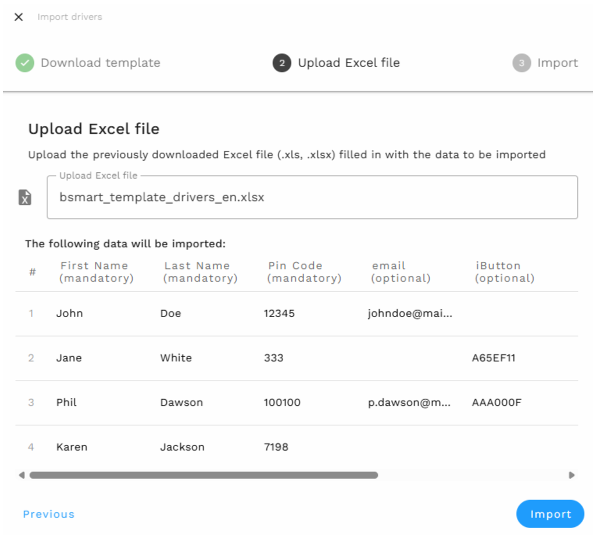
In this second step, you can upload the file you just filled out either by clicking the upload field and selecting the file from your PC, or by dragging and dropping the desired file onto the upload field.



NOTE: You can only upload Excel files from the previous step. You cannot create a custom file with the list of operators and upload it.

Uploading an incompatible file will result in an error shown in the image on the side.





Once the Excel file has been uploaded, if it is valid, a table will be displayed to review the data before importing.

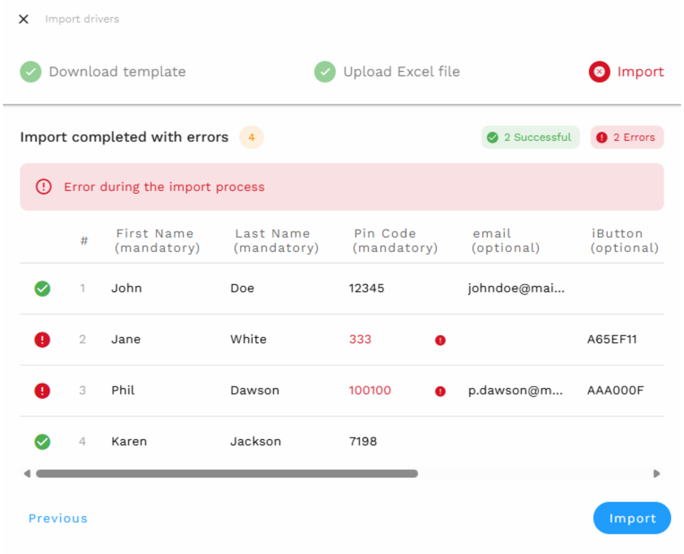
To proceed with the import, click the Import button.

Operator Import

In the third and final step, you can start the operator import.

A table showing the import results will be displayed, allowing you to view the data that has just been uploaded.

If errors occur during the import process, they will be highlighted in the table rows, as shown on the right.



Rows for operators successfully imported will be preceded by the symbol ✅, while rows for operators not imported due to an error will be preceded by the symbol ❗.

Hovering your mouse over an error indicator will display the corresponding message.

6.5.2. API Import

NOTE: The "Import via API" option is available only after enabling the "Enable Export API" setting. See chapter 14.2.2.

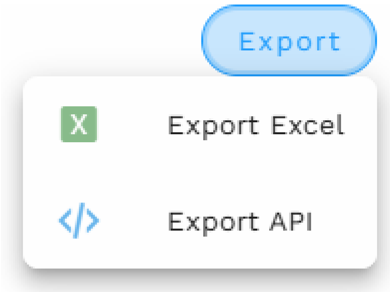
You can import operators via API. Clicking the "Import via API" option will redirect you to the Import/Export API documentation page in the "Operators" section.

6.6. Export

You can export operators in two different ways: Excel or API.

Clicking the "Excel Export" option will generate an Excel file containing the currently displayed data.

Clicking the "API Export" option will redirect you to the export API documentation for operators.



Note

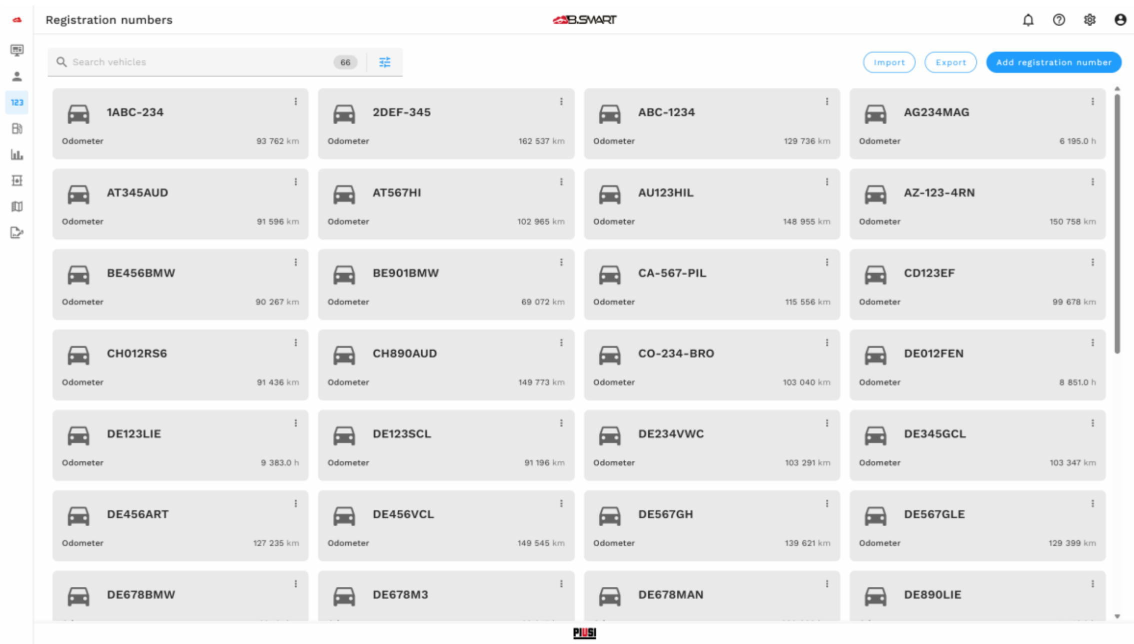
The "Export via API" option is available only after enabling the "Enable Export API" setting. See chapter 14.2.2.

7. REGISTRATION NUMBERS

From this section, you can manage the system registration numbers.

123	Registration numbers icon (compact menu)
123 Registration numbers	Registration numbers icon (expanded menu)

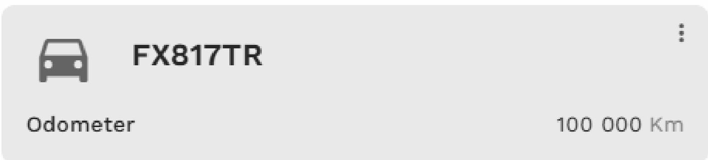
Registration numbers can represent work order codes to be executed, or the license plate of a vehicle to be refueled. If you wish to use registration numbers as vehicle license plates, you can also track their respective odometers.



There are no limits on the number of registration numbers that can be entered into the system.

7.1. Information

The main details of a registration number can be viewed directly from the card in the list.



To view further details, simply tap the card: a panel with detailed information will open, where you can view and edit the data.

> ⚠ **Warning!**
>
> After making the first transaction with a specific registration number, you will no longer be able to:
>
> - Delete the registration number; in this case, it is recommended to disable it if you no longer wish to use it.

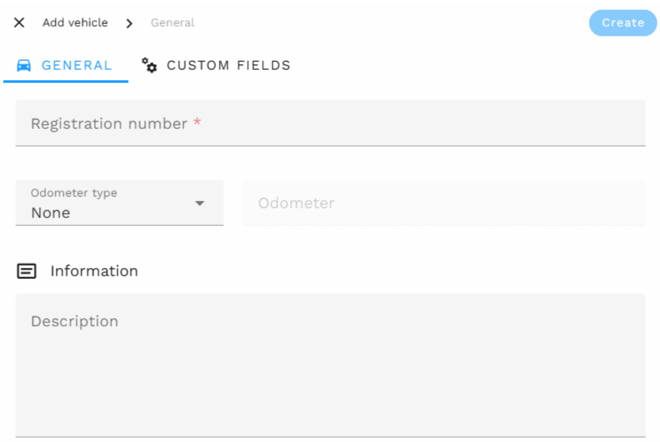
7.2. Add

To add a registration number, tap the button in the top right corner **Add registration number**.

A dropdown menu will open on the right with all the fields you need to fill out to create a new registration number. The fields are grouped and divided into tabs (or sections) based on the topic.

7.2.1. GENERAL Information Section

In this section, you can set the general information for a registration number.



- Registration Number (Required)

  Unique identifier for the item.

- **Odometer Type**

  If the registration number refers to a vehicle, you can define the odometer's unit of measurement, choosing from:
  Kilometers, Miles, Hours

- **Odometer**

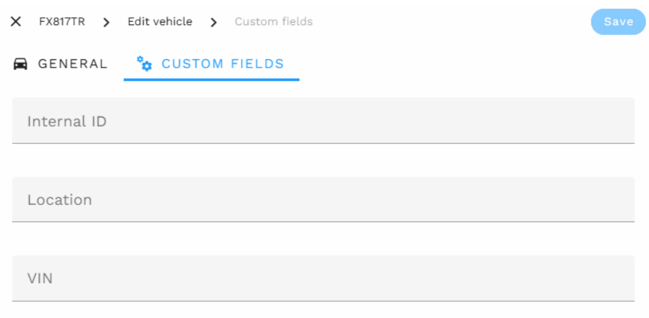
  You can specify the vehicle's odometer only if the odometer type is not "None".

- **Description** (Optional)
  Text field for saving additional information.

7.2.2. CUSTOM FIELDS Section

NOTE: This section is available only if the "Enable custom fields" setting is active and custom fields have been set up for registration numbers (see section 14.2.1).

In this section, you can set the values of the custom fields for registration numbers.



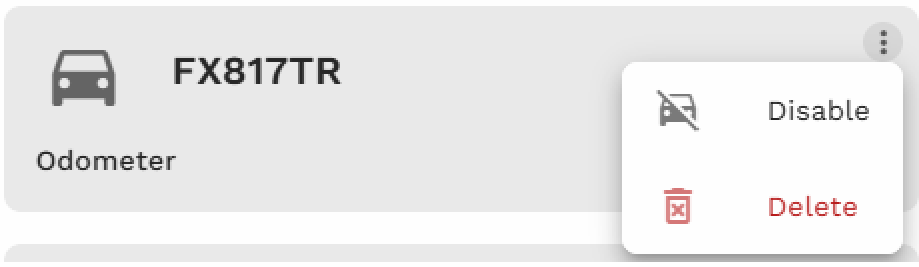
7.3. Edit

To edit a registration number, click on the card. A drop-down menu will open on the right for editing the data.

The edit section contains the same forms and fields seen in the previous chapter. The only difference is in the displayed data: the fields will be pre-filled with the data from the selected registration number and can be edited with the desired values.

7.4. Management Operations

Clicking the three dots in the top right corner of a registration number's card will display the actions you can perform on it.



7.4.1. Disabling

Clicking "Disable" (or "Enable") will disable (or enable) the registration number. You will be asked to confirm before disabling (or enabling) the number.

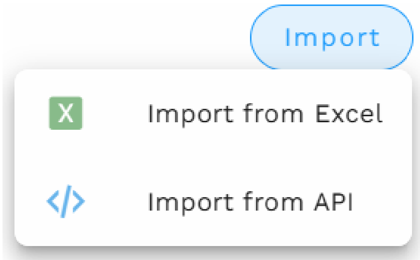
Clicking "Disable" will disable the registration number. A disabled registration number will be displayed differently, with a padlock icon and partial transparency.

To re-enable the registration number, tap the three dots in the top-right corner and select the "Enable" option. You will be asked to confirm before enabling an operator.

7.4.2. Deletion

Tapping "Delete" will delete the registration number. You will be asked to confirm before deleting.

7.5. Import



There are two ways to import registration numbers:

- Import via Excel
- Import via API

7.5.1. Excel Import

Importing registration numbers via Excel follows the same process as importing drivers. *See the chapter 6.5.1 for more information.*

7.5.2. API Import

NOTE: The "Import via API" option is available only after enabling the "Enable Export API" setting. See chapter 14.2.2.

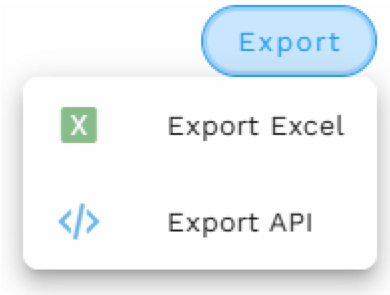
You can import registration numbers via API. Clicking the "Import via API" option will redirect you to the Import/Export API documentation page in the "Registration Numbers" section.

7.6. Export

You can export registration numbers in two different ways: Excel or API.

Clicking the “Excel Export” option will generate an Excel file containing the currently displayed data.

Clicking the “API Export” option will redirect you to the export API documentation for registration numbers.



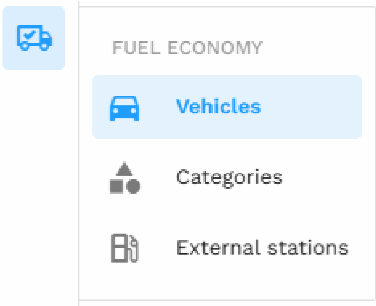
Note

The “Export via API” option is available only after enabling the “Enable Export API” setting. See chapter 14.2.2.

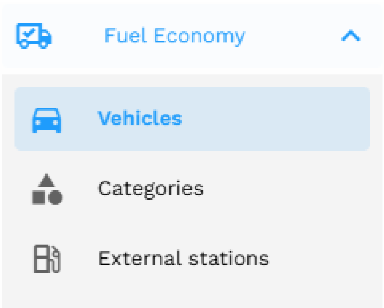
8. FUEL ECONOMY

NOTE: This section is available only after activating the dedicated "Fuel Economy" add-on.

The Fuel Economy section, accessible by clicking the menu icon shown below, replaces the "Registration Numbers" section described in the chapter 7. From this section, you can manage your vehicle fleet in an advanced manner, divide them into categories, and enable fuel consumption management.



Fuel Economy icon (compact menu), with submenu icons.



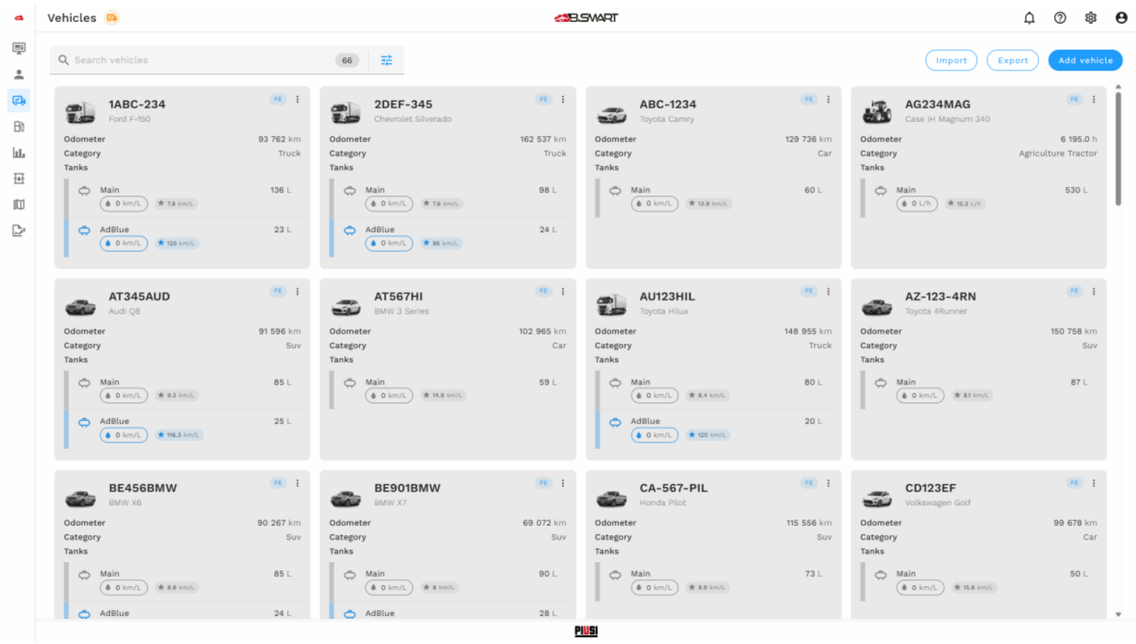
Fuel Economy icon (expanded menu), with submenu items.

8.1. Vehicles

NOTE: This section is available only after activating the dedicated "Fuel Economy" add-on.

In this section, you can manage information regarding vehicles, their fuel tanks, and their fuel consumption.

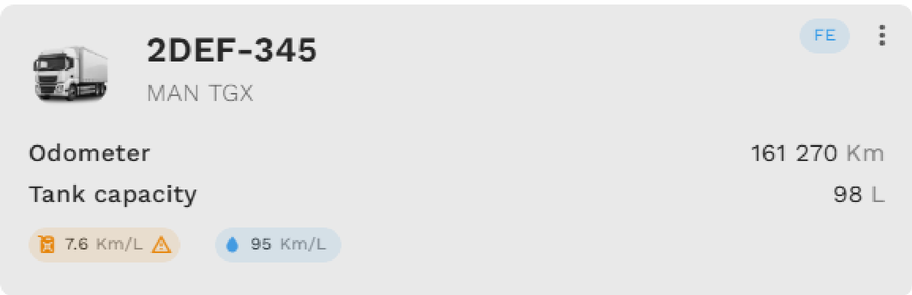
As soon as the "Fuel Economy" add-on is activated, all system registration numbers will be converted into vehicles and assigned to a base category called "Default.".



There are no limits on the number of vehicles that can be added to the system.

8.1.1. Information

A vehicle’s main details can be viewed directly from its card in the list.

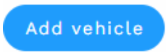


To view further details, simply tap the card: a panel with detailed information will open, where you can view and edit the data.

Warning!

- Vehicles that have activated “Fuel Economy” management and do not have a configured AdBlue tank cannot refuel from AdBlue pumps.
- You cannot delete a vehicle if it has been refueled at least once at the facility; in this case, it is recommended to disable it if you no longer wish to use it.

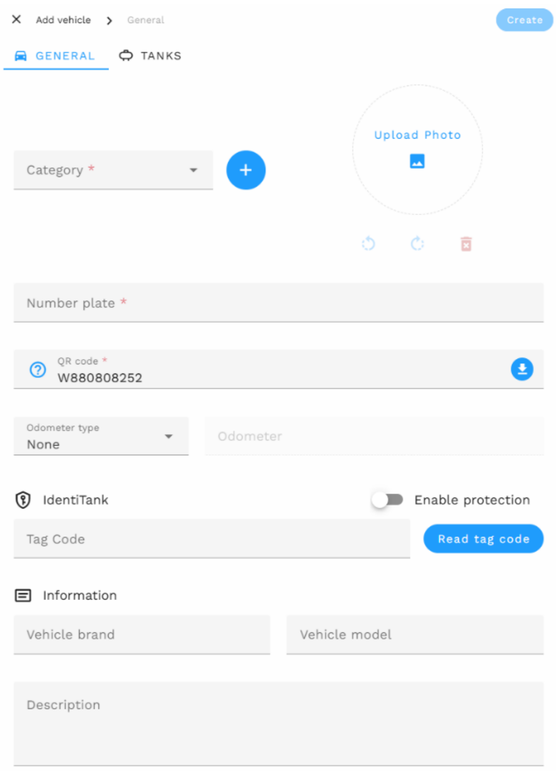
8.1.2. Add

To add a vehicle, press the button in the top right corner 

.

A dropdown menu will open on the right with all the fields to fill out to create a new vehicle. The fields are grouped and divided into tabs (or sections) based on the topic.

8.1.2.1. GENERAL Information Section



In this section, you can set the vehicle's general information.

- **Category**

  Each vehicle must be grouped under a category to be easily traceable within the fleet. See chapter 8.3 for creating a new category.

- **Vehicle photo**

  You can assign a photo to the vehicle. By default, the photo associated with the selected category is used.

- **License plate**
- **QR code**

  A unique alphanumeric string identifying the vehicle (by default, the field is pre-filled with a string automatically generated by the system). By pressing the button button generates a printable label with the entered string converted into a scannable QR code. The label can be scanned by a driver using the mobile app to select the vehicle more quickly when creating a new refueling transaction.

- **Odometer Type**

  Unit of measurement in which the vehicle's odometer must be recorded. If "None" is selected, tracking of the vehicle's odometer values over time will not be managed.

- **Odometer**

  You must provide the current odometer reading if you want to enable the advanced "Fuel Economy" management feature on the vehicle. This will prompt you to enter

the vehicle’s latest odometer reading at each new refueling. This information will then be used to calculate the vehicle’s fuel consumption.
Warning: Changing the odometer measurement unit for a vehicle will result in the loss of all fuel consumption reports calculated up to that point.

- **Enable TAG-protected refueling**

  By enabling this feature, refueling of the vehicle in question will be permitted only if the RFID TAG is detected throughout the entire refueling operation.
  If the TAG associated with the vehicle cannot be read, fueling will be interrupted.

- **TAG Code**

  Enter the numeric string of the RFID TAG installed on the vehicle. This field allows the system to recognize the vehicle by reading the TAG with a dedicated scanner during refueling. This field is required only if **TAG-protected refueling**is enabled.

  > The TAG code can be entered manually by reading the code on the key or automatically using the dedicated reader to be connected to the PC.
  >
  > In this case, you must install the *PIUSI IBUTTON READER*tool ( ) and, once installed, click the button (Read tag code *).*
  > You can read the TAG and pair it directly with the smartphone app (see the TAG section of the smartphone app manual).

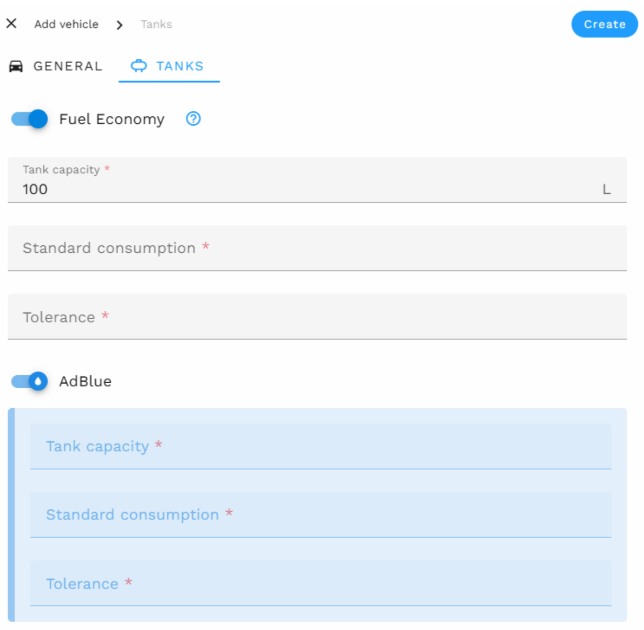
- **Vehicle make**
- **Vehicle model**

- **Description** (optional)
  Free text field for storing additional information about the vehicle.

8.1.2.2. FUEL TANKS Section

NOTE: This section is available only if the Fuel Economy add-on is active

In this section, you can set data related to the vehicle's fuel economy management.



- **Enable FUEL ECONOMY**

  Enable fuel consumption calculation for the vehicle. In this case, you will need to complete the vehicle profile by entering information about the vehicle's fuel tank.

  - **Capacity**

    Capacity of the vehicle's main fuel tank. This value limits the maximum amount of fuel that can be dispensed in a single transaction from any fuel pump in the system.

  - **Standard Consumption**

    Theoretical average fuel consumption of the vehicle.

  - **Tolerance**

    A percentage value that represents a range around the nominal consumption value, within which consumption is considered normal. The consumption tolerance percentage is used to track vehicles with abnormal consumption.

- **Enable AdBlue**

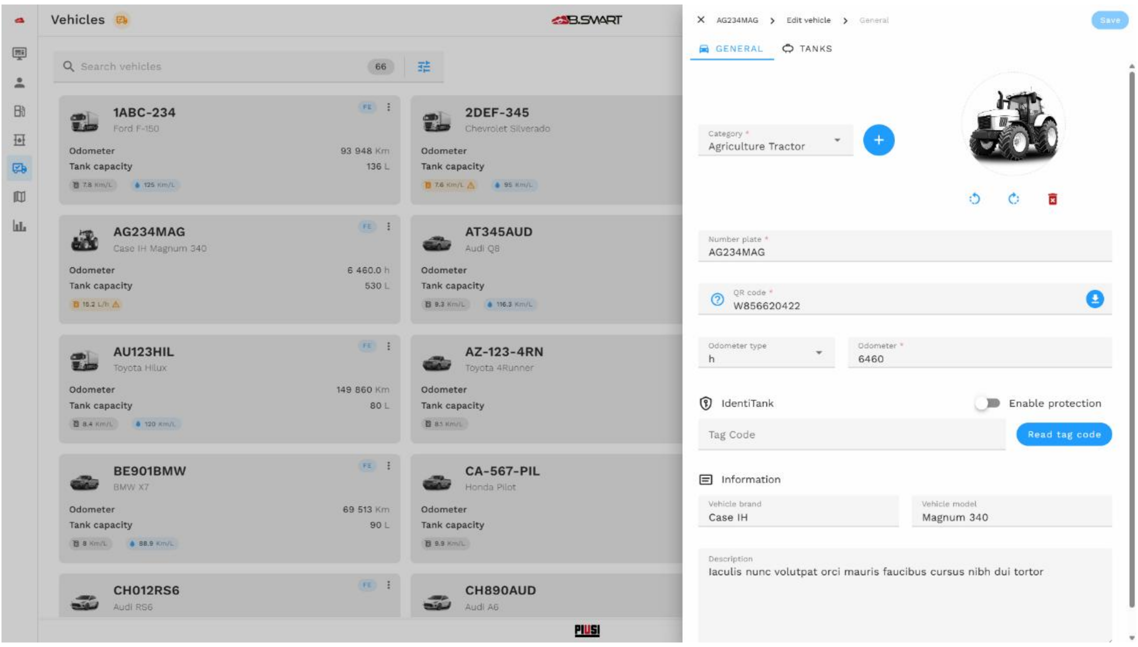
  Indicate whether the vehicle has an AdBlue tank and specify its capacity and average consumption. You must also specify a consumption tolerance, i.e., a percentage that is a range around the nominal consumption value and within which consumption is considered normal. Both the calculation and the assessment of AdBlue consumption status are the same as those applied to consumption from the main tank.
  The fields below the AdBlue enable button are also "Capacity," "Standard Consumption," and "Tolerance," but these are related to AdBlue.

If the icon  is present in the top right corner, refueling the vehicle is protected by an RFID tag.

8.1.3. Edit

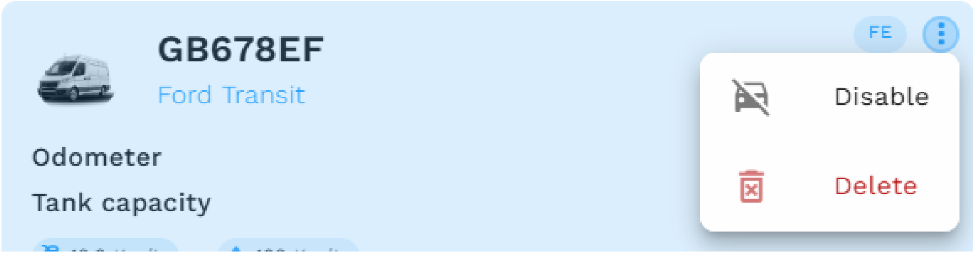
To edit a vehicle, tap the card. A panel will open on the right for editing the data.

The edit section contains the same forms and fields seen in the previous chapter. The only difference is in the displayed data: the fields will be pre-filled with the data of the selected vehicle and can be modified with the desired values.



8.1.4. Management Operations

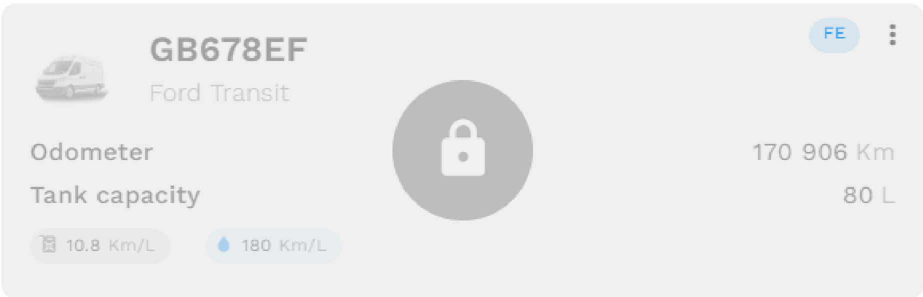
Clicking on the three dots in the top right corner of a vehicle's card will display the actions available for that vehicle.



8.1.4.1. Disabling

Clicking "Disable" (or "Enable") will disable (or enable) the vehicle. You will be asked to confirm before disabling (or enabling) the number.

Clicking "Disable" will disable the vehicle. A disabled vehicle will be displayed differently, with a padlock icon and partial transparency.



To re-enable the vehicle, click the three dots in the top-right corner and select the "Enable" option. You will be asked to confirm before enabling an operator.

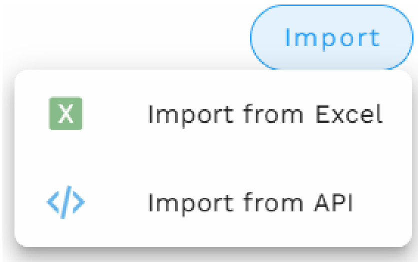
8.1.4.2. Deletion

Pressing "Delete" will remove the vehicle. You will be asked to confirm before deleting.

8.1.5. Import

There are two ways to import vehicles:

- Import via Excel
- Import via API



8.1.6. Excel Import

Importing vehicles via Excel follows the same process as importing drivers. *See the chapter 6.5.1 for more information.*

8.1.7. API Import

NOTE: The "Import via API" option is available only after enabling the "Enable Export API" setting. See chapter 14.2.2.

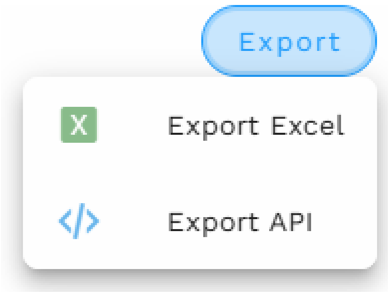
You can import vehicles via API. Clicking the "Import via API" option will redirect you to the Import/Export API documentation page in the "Vehicles" section.

8.2. Export

You can export vehicles in two different ways: Excel or API.

Clicking the "Excel Export" option will generate an Excel file containing the currently displayed data.

Clicking the "API Export" option will redirect you to the export API documentation for vehicles.



Note

The "Export via API" option is available only after enabling the "Enable Export API" setting. See chapter 14.2.2.

8.3. Vehicle Categories

NOTE: This section is only visible if the Fuel Economy add-on is enabled.

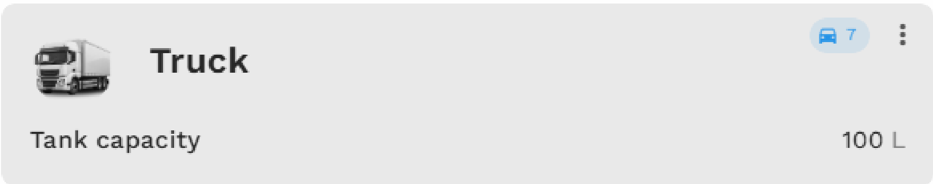
Categories are used to organize vehicles into groups. In this section, you can manage the vehicle category database.

Once the categories are set up, you can filter vehicles by category and enable drivers to refuel specific categories.

There is no limit to the number of categories you can create.

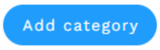
8.3.1. Information

The main details of a category can be viewed directly from the card in the list.



To view further details, simply tap the card: a panel with detailed information will open, where you can view and edit the data.

8.3.2. Add

To add a category, click the button in the top right corner 
.

A dropdown menu will open on the right with all the fields to fill out to create a new category. The fields are grouped and divided into tabs (or sections) based on the topic.

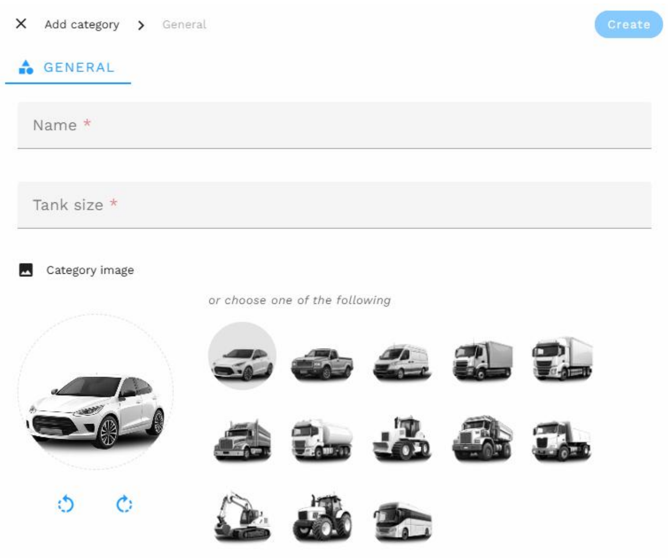
8.3.2.1. GENERAL Information Section

In this section, you can edit the general details of a category:

- **Category name**
- **Tank capacity**

  This value will be used as a suggestion for the main tank size of all new vehicles assigned to this category.
- **Image**

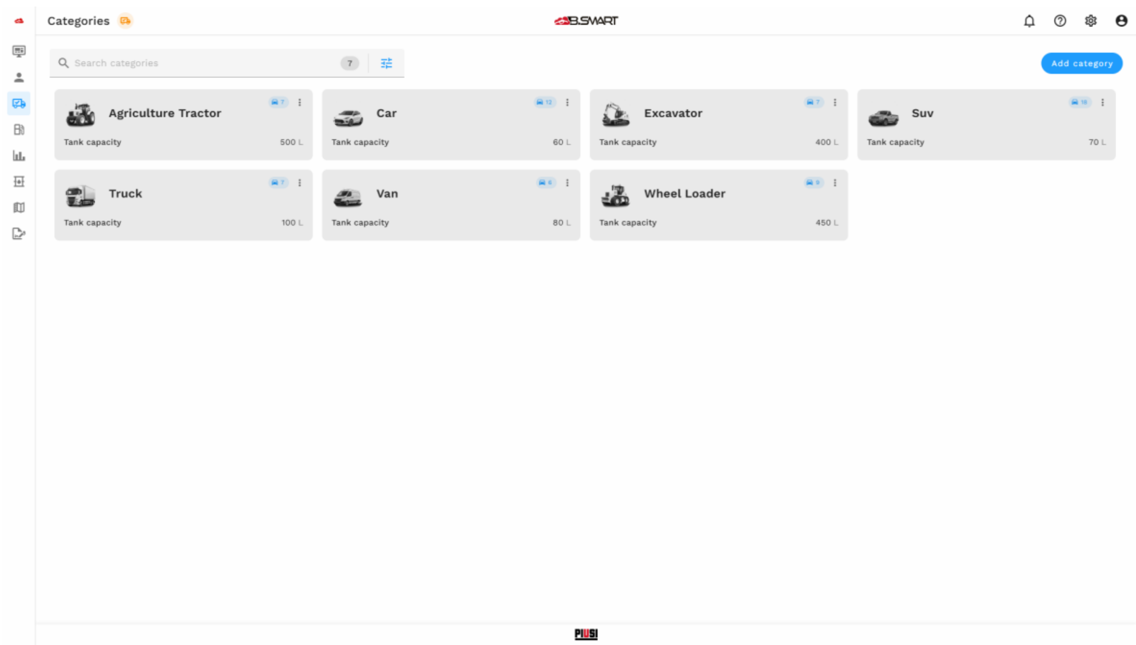
  Category image



8.3.3. Edit

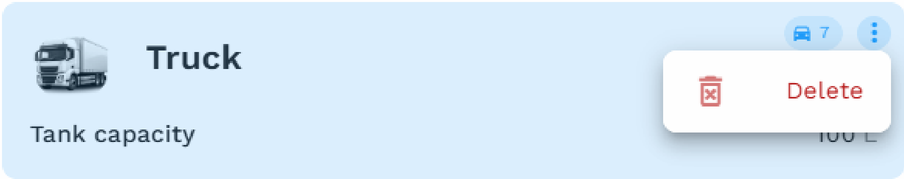
To edit a category, tap the card. A panel will open on the right for editing the data.

The edit section contains the same forms and fields seen in the previous chapter. The only difference is in the displayed data: the fields will be pre-filled with the data from the selected category and can be edited with the desired values.



8.3.4. Management Operations

Clicking the three dots in the top right corner of a category card will display the actions available for that category.



8.3.4.1. Deletion

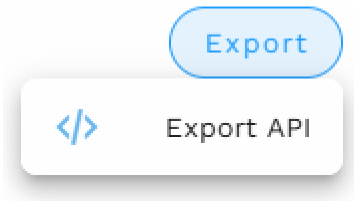
Clicking "Delete" will remove the driver. You will be asked to confirm before deleting.

> **Warning!**
> You cannot delete a category if it is assigned to at least one vehicle in the fleet

8.3.5. Export

Categories can only be exported via API.

Clicking the "API Export" option will redirect you to the export API documentation for categories.



8.4. External Stations

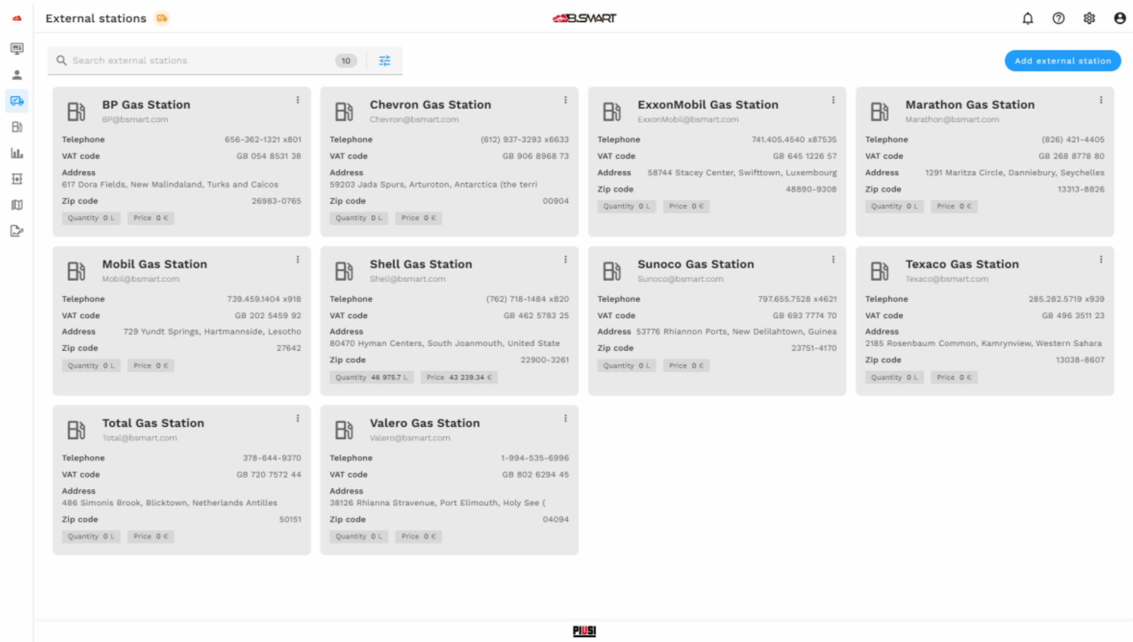
NOTE: This section is visible only if the Fuel Economy add-on is enabled and if the "Enable External Stations" option is enabled in the "Settings/Fuel Economy" section (see chapter 14.4.1).

In this section, you can enter and manage the master data for the gas stations where vehicles go to refuel outside the facility.

There is no limit to the number of external stations that can be entered.

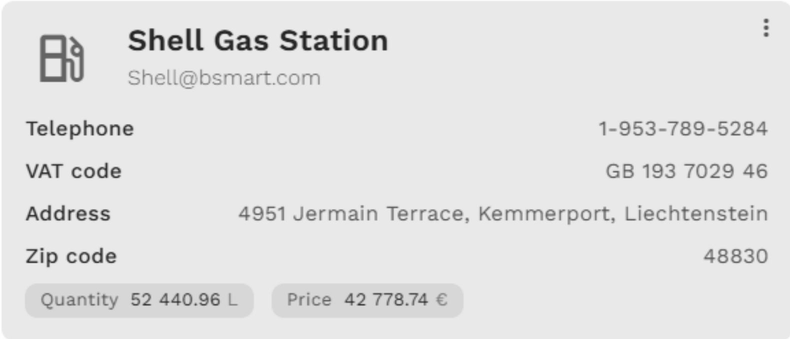
For each gas station, the following are calculated:

- The amount of fuel that the facility's drivers have dispensed from the station.
- The total cost of all refueling transactions performed at the service station.



8.4.1. Information

The main details of an external station can be viewed directly from the card in the list.



To view further details, simply tap the card: a panel with detailed information will open, where you can view and edit the data.

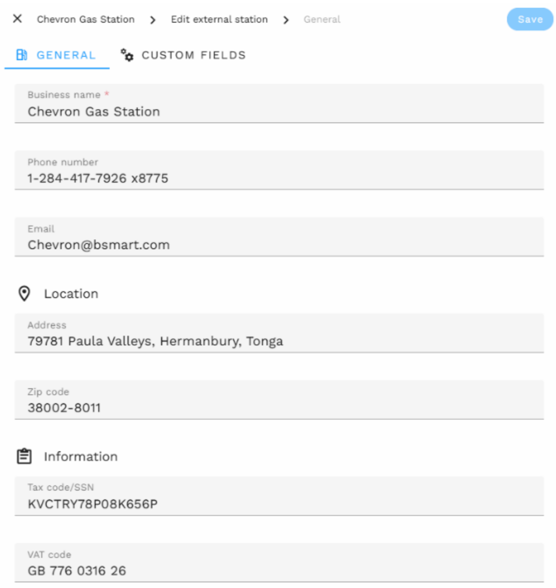
8.4.2. Add

To add an external station, click the button in the top right corner Add external station.

A panel will open on the right with all the fields to fill out to create a new external station. The fields are grouped and divided into tabs (or sections) based on the topic.

8.4.2.1. GENERAL Information Section

In this section, you can set the general information for an external station:



- **Company Name**

  Unique identifier of the service station

- **Address, ZIP Code**

  Service station location

- **Phone, Email**

  Service Station Contacts

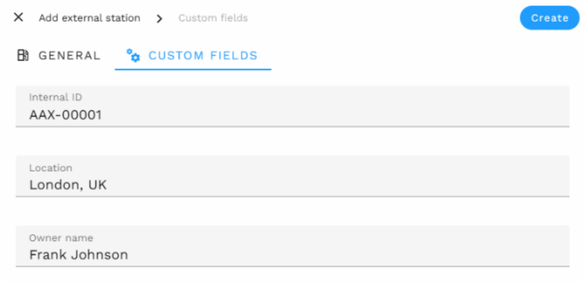
- **Tax ID, VAT number**

  Service station business details

8.4.2.2. CUSTOM FIELDS Section

NOTE: This section is available only if the "Enable custom fields" setting is active and custom fields have been set up for external stations (see section) 14.2.1

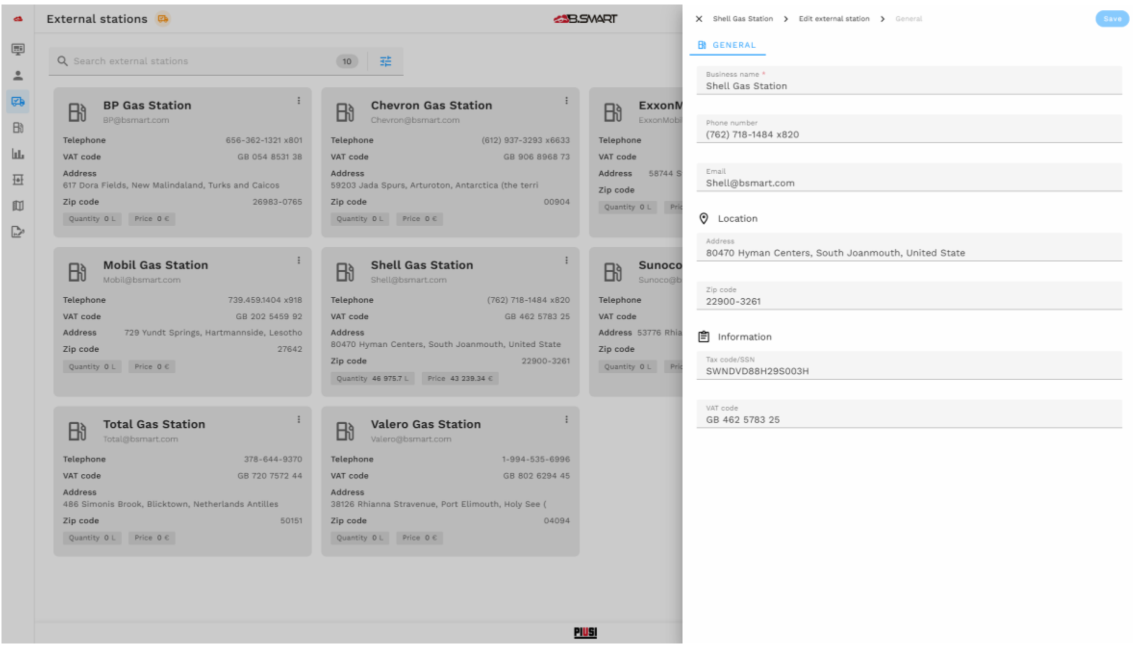
In this section, you can set the values for the custom fields for external stations.



8.4.3. Edit

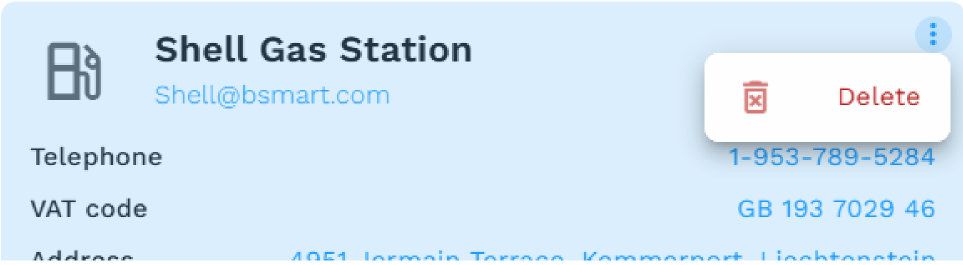
To edit an external station, click on the card. A panel will open on the right for editing the data.

The edit section contains the same forms and fields seen in the previous chapter. The only difference is in the data displayed: the fields will be pre-filled with data from the selected external station and can be edited with the desired values.



8.4.4. Management Operations

Clicking the three dots in the top right corner of an external station's card will display the actions available for that station.



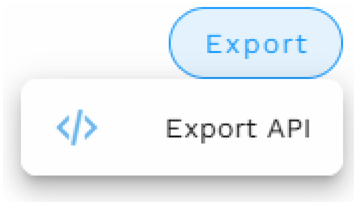
8.4.4.1. Deletion

Clicking "Delete" will delete the outdoor station. You will be asked to confirm before deleting.

8.4.5. Export

External stations can be exported in only one way: via API.

Clicking the "API Export" option will redirect you to the export API documentation for external stations.



Note

The "Export via API" option is available only after enabling the "Enable Export API" setting. See chapter 14.2.2.

9. DEVICES

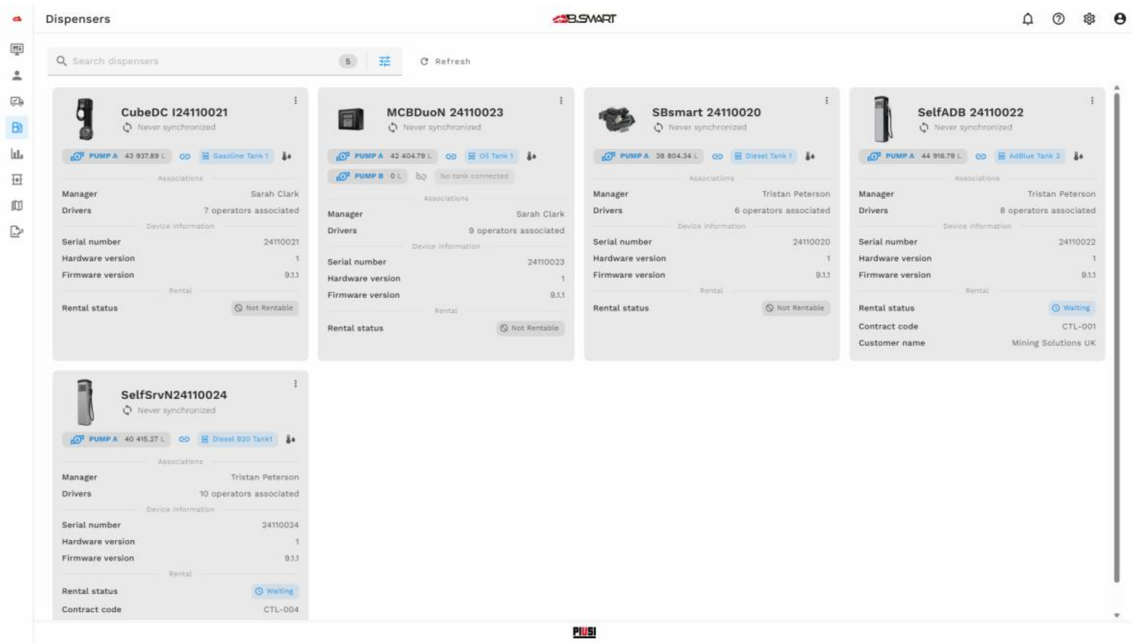
The Devices section, accessible by clicking the corresponding menu icon (see figures below), allows you to manage your system's devices, configure the associated pumps, and designate the drivers authorized to dispense fuel.

Devices icon (compact menu)

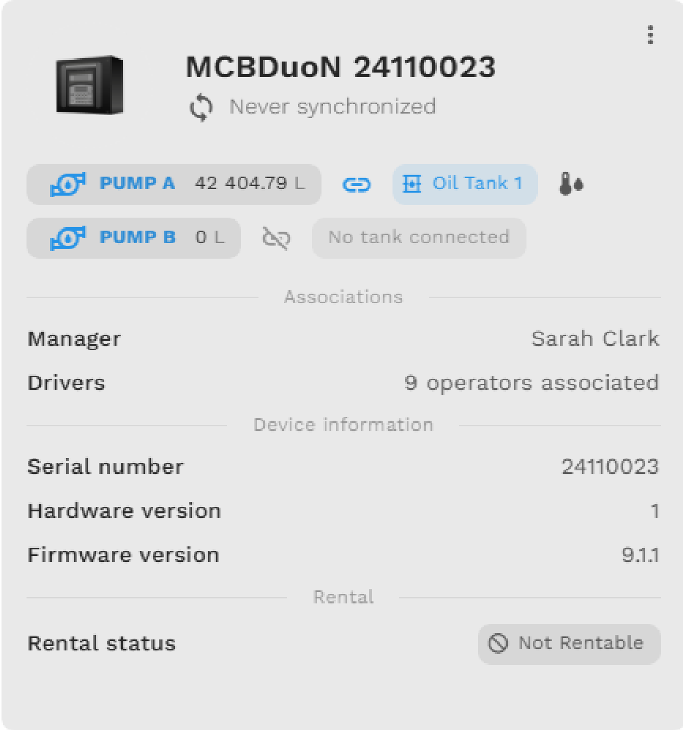
Devices icon (expanded menu)

Devices are detected by the smartphone app and cannot be added manually via the Web App.

There is no limit to the number of devices that can be added to the system.



9.1. Information



The main details of a device can be viewed directly from the card in the list.

The card also displays the following information:

- **Control unit manager**

  The operator with the "Manager" role currently associated with the control unit

- **Number of associated drivers**
- **Panel serial number**

  Unique panel identifier.

- **Hardware version**
- **Firmware Version**

  The panel's firmware may be subject to changes and improvements over time; if a new firmware version is available, a notification will appear in the top right corner (*see section 9.1.3*).
  To update the charging station's firmware, you must use the smartphone app and log in as a manager.
- **Additional information** regarding the gun and the RFID receiver, only for B.SMART device models equipped with an RFID receiver:
  - RFID reader serial number
  - RFID gun serial number
  - Remaining battery charge percentage of the gun

- **Rental information**

  NOTE: This information will only be displayed if the MasterSite add-on is active.

  This information includes: rental status, associated contract code, and customer name.

To view further details, simply tap the card: a panel with detailed information will open, where you can view and edit the data.

9.1.1. Alarms

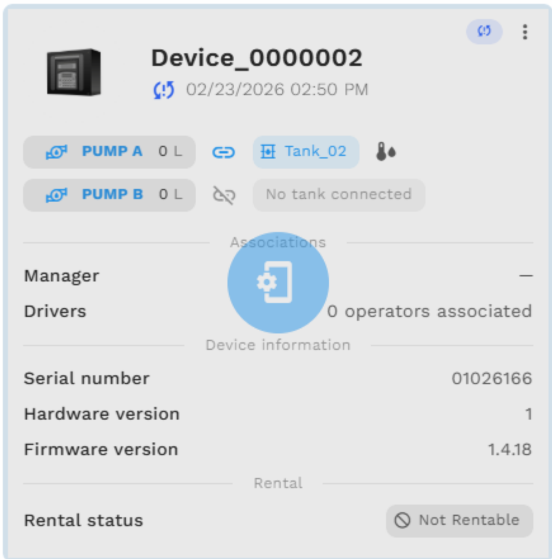
If any alarms have been triggered on the device, the button  in the top right corner. Press it to view the list of alarms.

If the Tank Watchdog add-on is present, alarms related to the tank and connected sensors will be displayed.

If the add-on is not present, only alarms related to dry contacts will be displayed.

In both cases, any alarms caused by device malfunctions will be displayed.

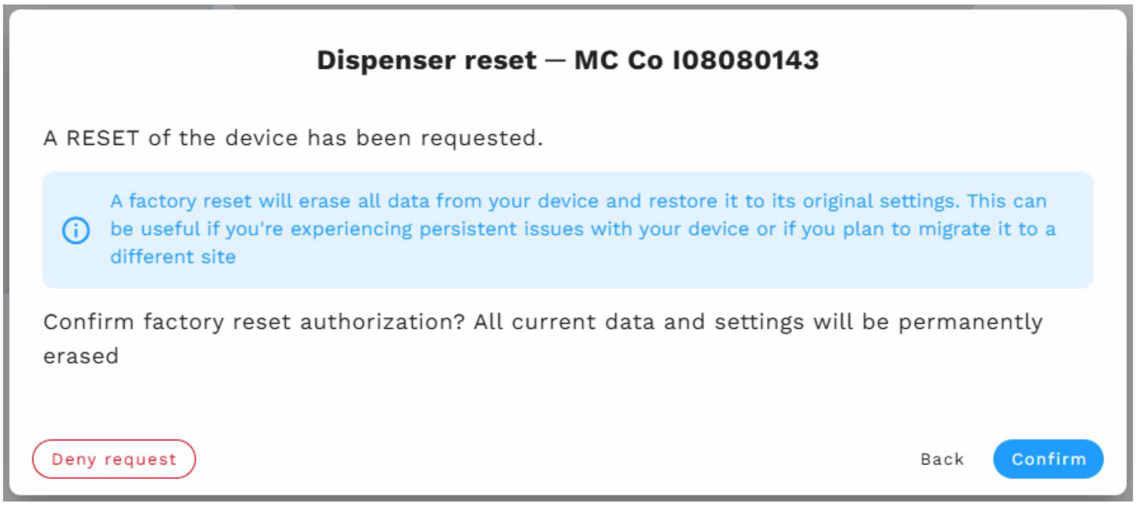
9.1.2. Reset Request



You can initiate a reset request for the dispenser from the smartphone app. If a reset request is in progress, the device card will have a blue border and an icon in the center indicating the special “reset in progress” status.

In this state, you cannot make changes to the device configuration. To resume using the device, complete the reset procedure using the mobile app.

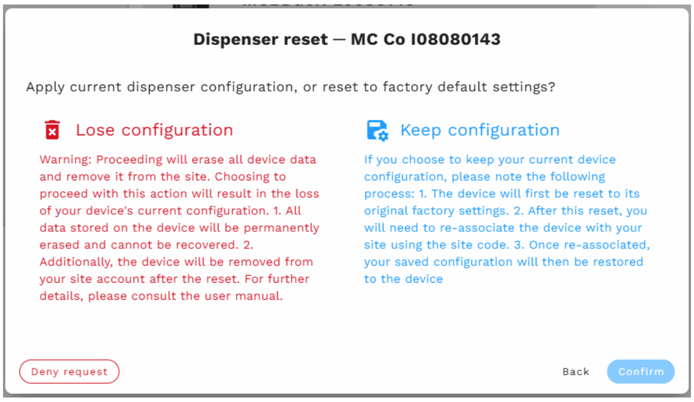
Clicking on the device in question will open a modal window with the reset wizard.



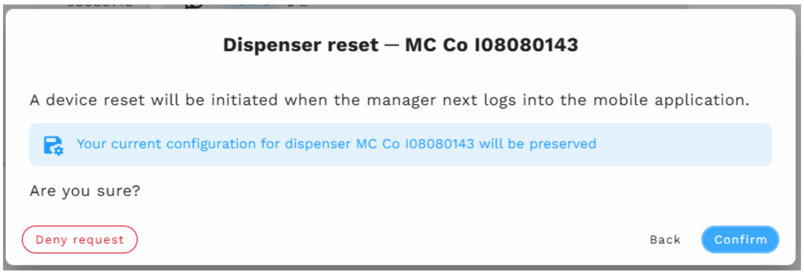
Clicking the button on the left Deny request the reset request will be denied. You will need to submit a new request from the smartphone app (*refer to the B.SMART smartphone app manual for instructions on how to request a device reset*).

Pressing the confirmation button will open a new screen where you can choose whether to delete or keep the device configuration after the reset.

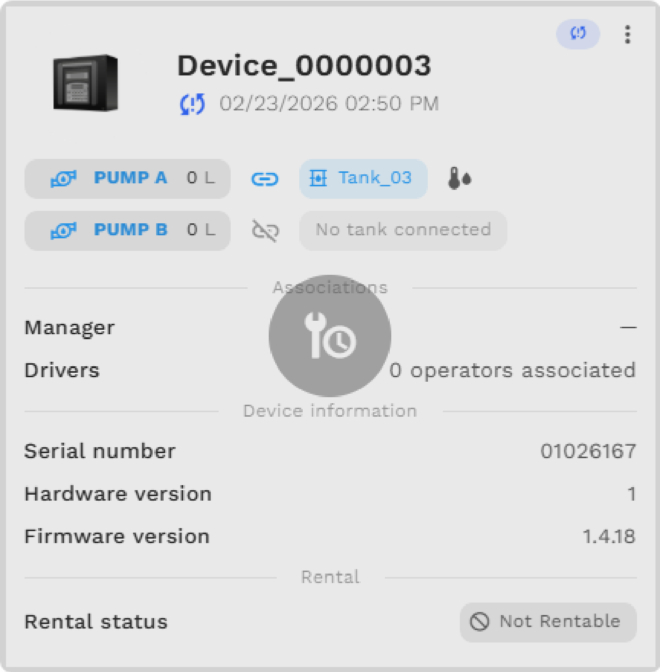
When you select one of the two options, it will remain highlighted. To proceed, click the "Confirm" button.



Regardless of the option selected, pressing "Confirm" will display a warning asking for final confirmation before continuing and allowing you to review the previously selected option. Once this final warning is accepted, the actual device reset procedure will begin.



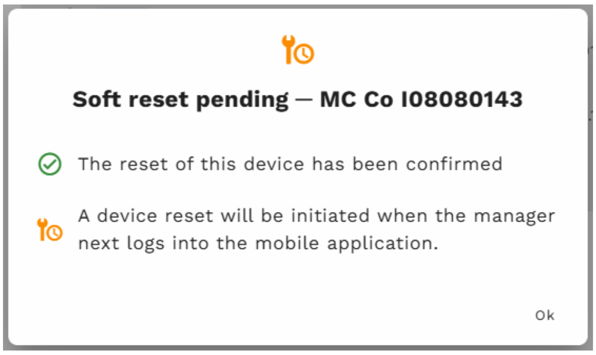
Once the reset procedure via the Web App is complete, the device will display the following icon on the card:



Even in this state, you cannot make changes to the device configuration.

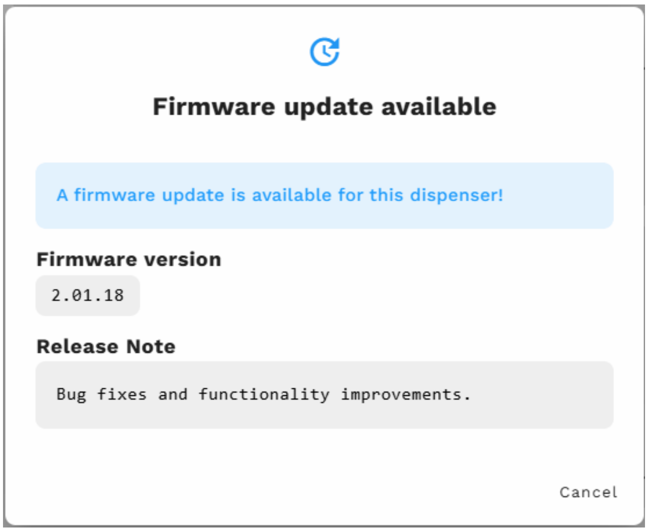
Clicking on the card will display a modal describing the device's reset status

After completing the reset procedure using the mobile app, in the case of a reset with "configuration loss," the device will be removed from the system.



9.1.3. Availability of Updates

If an update is available, a badge will appear next to the “Firmware Version” entry: Firmware version New! . Additionally, the icon , indicating the availability of firmware updates. Tapping this button will open a modal window with a description of the firmware update.

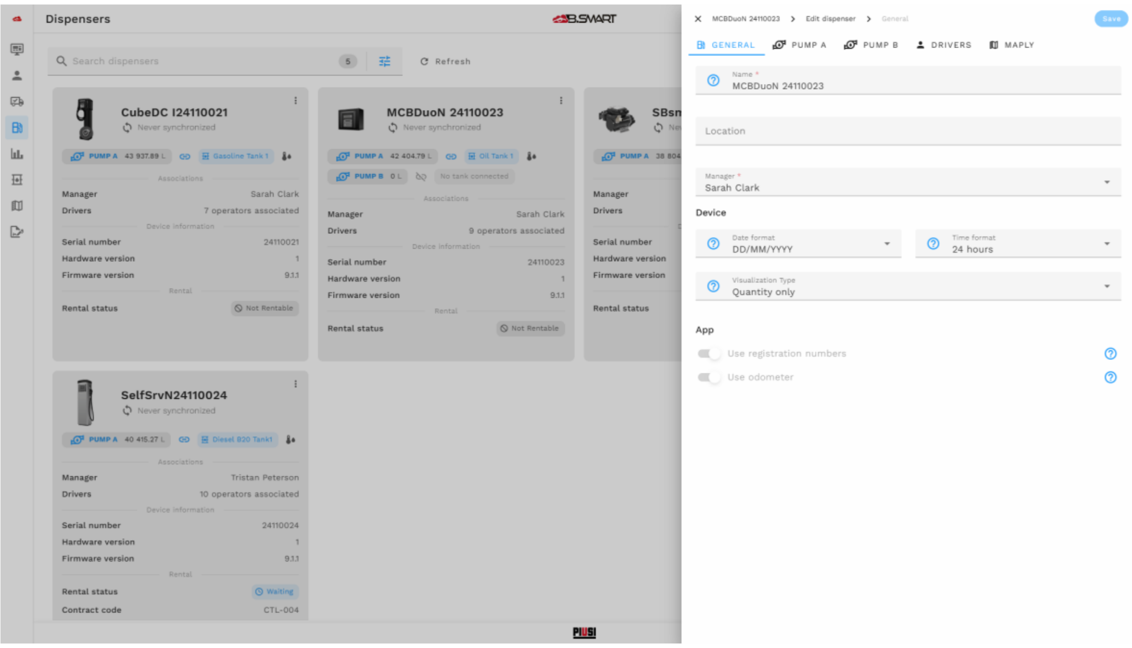


9.1.4. Drivers associated with the device

The icon  indicates the number of drivers authorized to dispense fuel from the pumps connected to this device. The badge is gray if there are no drivers associated (and the number shown is 0). Alternatively, if there are associated drivers, the badge will become colored and display the number of associated drivers.

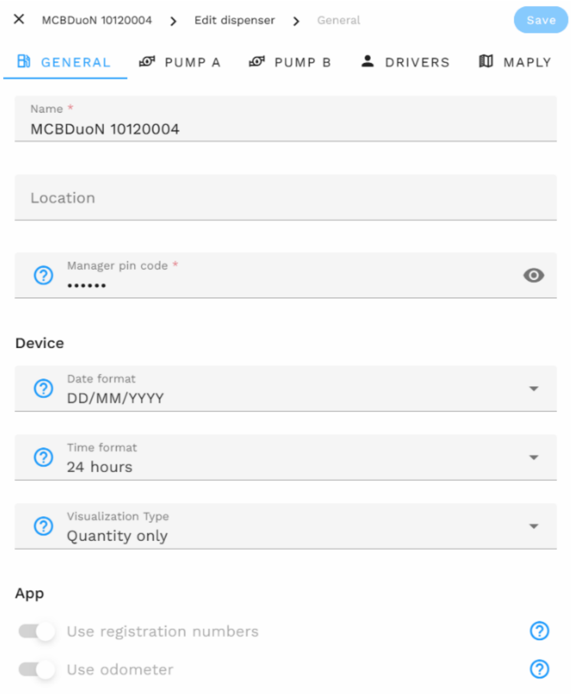
9.2. Edit

To edit a device, tap its card. A panel will open on the right with fields pre-filled with the device's data.



The fields are grouped and divided into tabs (or sections) by topic.

9.2.1. GENERAL Information Section



From this screen, you can edit the device's main configuration, specifically:

- **r device name**
  Unique identifier for the device within the system.
- **Location**

  Location where the charging station is situated.
- **Manager**

  The operator with the "Manager" role who can access this device. This replaces the previous "Pin code manager" field. The PIN code information is now embedded in the Manager assigned to the device (see the Operators section).

- **Date format**

  The date format displayed on the device's screen.

- **Time format**

  The time format displayed on the device's screen.

- **Use registration numbers**

  Indicates whether registration number management is enabled. If enabled, the mobile app will prompt you to enter a registration number before fueling begins.

- **Use odometer**

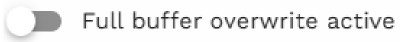
  Indicates whether odometer management is enabled. If registration numbers represent vehicles to be refueled, you can specify the vehicle's odometer reading before starting to dispense.

  NOTE: This option is available only if the Use registration numbers option is enabled.

- **Display Type**

  Specifies what information to display on the device's screen when it is idle. The available options are: "date and time," "total amount dispensed," "date and time alternating with total amount dispensed.".

- **Buffer Overwrite**
  Behavior the device should follow when internal dispensing storage space runs out (only for PIUSI 3000 Supreme dispensers):

  - **Disabled**

    Blockingbehavior: once the storage space for dispensing records within the device is full, no new dispenses can be made until the information is synchronized with the cloud;

  - **Enabled**

    Overwritebehavior: once the storage space for fueling records within the device is full, each new fueling will overwrite the oldest record in memory.

- **Enable RFID Receiver**

  Enabling this feature allows the device to identify the vehicle to be refueled by reading an RFID tag (using a dedicated scanner).
  Furthermore, if secure dispensing is enabled (in the vehicle settings), the system will prevent fuel from being dispensed outside the vehicle's fuel tank.

  This function is available only for specific B.SMART devices equipped with the appropriate RFID receiver.
  <u>Warning</u>: AdBlue fluid is not compatible with the RFID receiver option.

Note

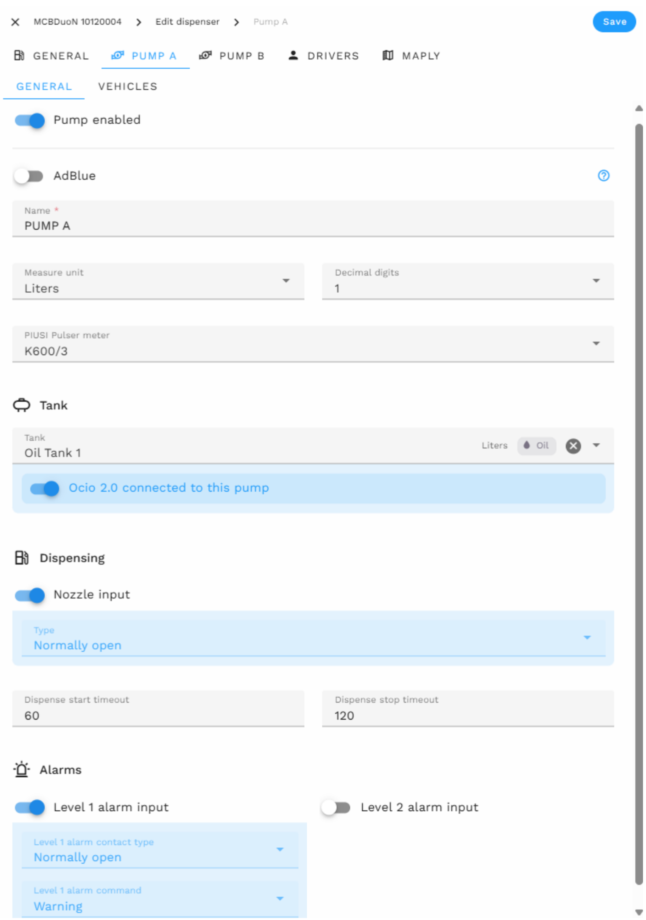
If the Fuel Economy add-on is active, the “Use registration number” and “Use odometer” options are automatically enabled on all system control units and cannot be disabled as long as the add-on remains active.

9.2.2. PUMPS Section

From this screen, you can modify the configurations of the pumps connected to the device.

This section is divided into two subsections: “General Information” and “Vehicle Association.” . This screen appears only if the *“Enable pump-vehicle association”* setting in the Fuel Economy add-on is active.

9.2.2.1. GENERAL Information Section



- **Pump Enable/Disable**

  Switch to enable or disable the pump. When the pump is disabled, refueling is not possible.

- **AdBlue**

  NOTE: This field is available only if the Fuel Economy add-on is active

  Switch to indicate whether the selected pump dispenses AdBlue. Warning: AdBlue fluid is not compatible with the RFID receiver option.

- **Name**

  Unique identification code for the pump.

- **Unit of measurement**

  Unit of measurement used to dispense the liquid.

- **Number of decimal places**

  Number of digits to display on the dispenser’s display after the decimal point.

- **PIUSI Pulser flow meter**

  Type of flow meter with which the pump is equipped. You can customize the value of a single pulse by setting the flow meter type to *Custom.*

- **Connected Tank**

If the Tank Watchdog add-on has been enabled , you can connect a tank to the pump.

No.B:

- To manage tanks, the device firmware must be updated to version 1.4.0 or higher.
- In the case of virtual tanks, any change related to the tank or its association with a dispenser requires a correction to be completed (via the smartphone app with manager access) before performing any refueling operation.

- **Tank Manager**

  If the tank is monitored by a level sensor, indicate whether the level sensor is physically connected to the contacts of this pump.

  If the tank is virtual, indicate whether the tank information is stored in the memory dedicated to this pump (see the“Tank Sharing” **section**below).

- **Gun contact**

  Indicates the presence of the gun contact.

- **Nozzle contact type**

  Indicates whether the gun contact is normally open or normally closed.

- **Dispensing Start Timeout**

  Number of seconds that elapse from the start of the dispensing operation—when the gun is physically moved from the starting position—until the gun trigger is pressed to dispense the fluid. If the gun trigger is not released within this time, the dispensing operation is canceled.

- **Dispensing end timeout**

  Number of seconds that elapse from when the gun trigger is closed—and therefore cannot dispense—until it is returned to the rest position. If the gun trigger is not pressed within these seconds, dispensing stops automatically.

- **Level 1 Alarm Input**

  Enables/disables alarm input number 1.

- **Alarm 1 contact type**

  Indicates whether alarm number 1 should trigger when the contact is normally open or normally closed.

- **Level 1 Alarm**

  Specifies the device’s behavior if alarm number 1 is triggered:

- *Warning*: The mobile app displays a warning message indicating that alarm number 1 has been triggered; in this mode, the pump is not blocked and dispensing is still possible.
- *Pump Lock*: The pump is locked, and dispensing is no longer possible in any way until Alarm 1 is reset.

- **Level 2 Alarm Input**

  Enables/disables alarm input number 2.

- **Alarm 2 Contact Type**

  Indicates whether alarm number 2 should trigger when the contact is normally open or normally closed.

- **Level 2 Alarm**

  Specifies the device's behavior when alarm number 2 is triggered:

  - *Warning*
  - *Pump Shutdown*

Tank Sharing

It is possible to share the same tank across multiple dispensers.

If the dispensers sharing the tank belong to different devices, a CANBUS communication network must be installed between the devices. Refer to the device manual for further information.

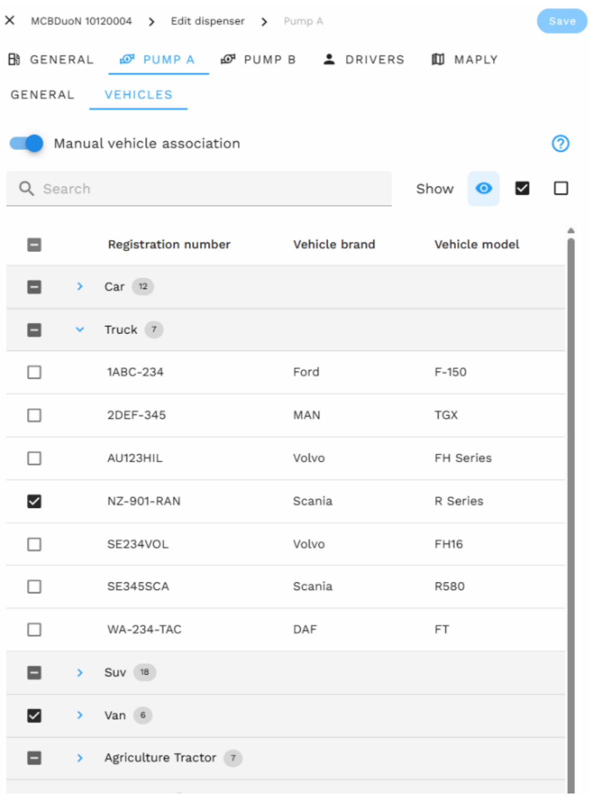
When a tank is shared, it is always necessary to specify which dispenser acts as *the tank manager*. (whether the tank is monitored by a sensor or is a virtual tank)

Note: If a configuration related to a tank is modified, it must be synchronized on *the manager*before dispensing from all other pumps that share the tank.

To synchronize the configuration, simply connect to the app while you have an internet connection.

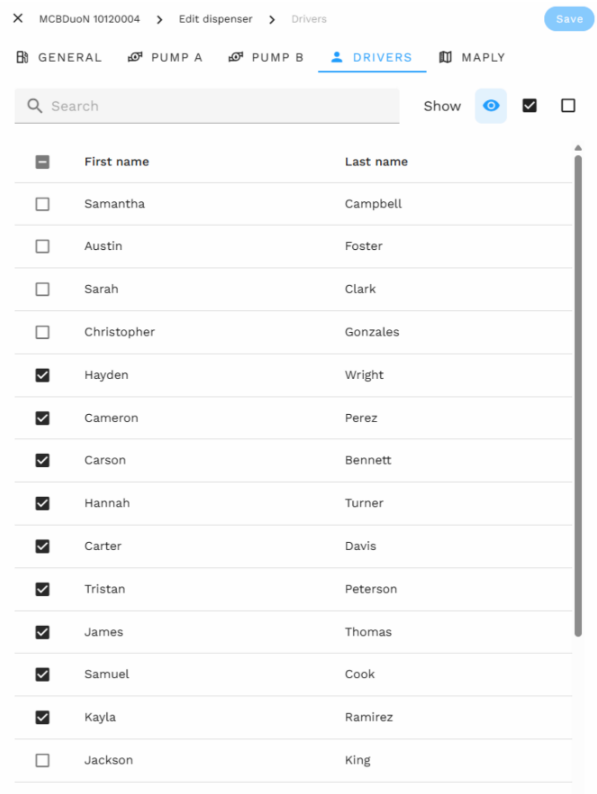
9.2.2.2. VEHICLE Association Section

NOTE: This section is available only if the Fuel Economy add-on is active and if the "Enable vehicle association on dispenser" option is enabled in the "Settings/Add-ons/Fuel Economy" section (see chapter 14.4.1



From this screen, you can specify which vehicles to associate with the device's pump. Only associated vehicles can refuel at that pump. A single vehicle can be associated with multiple pumps on multiple devices within the system; there are no limits on the number of vehicles that can be associated with a single pump.

9.2.3. DRIVERS Section



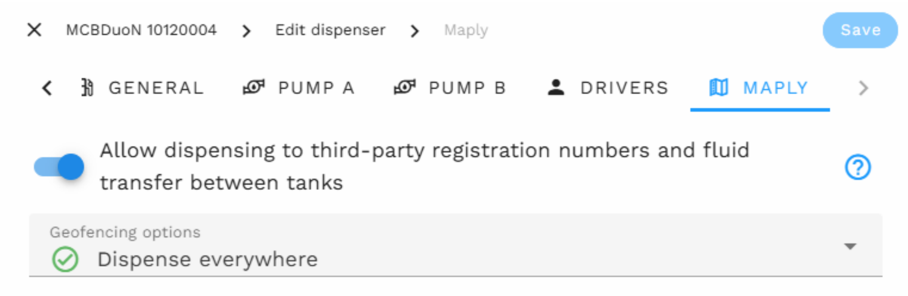
From this screen, you can specify which drivers to associate with the fuel pump. Only associated drivers can authenticate at the fuel dispenser (via the mobile app or iButton) to refuel. A single driver can be associated with multiple fuel dispensers in the system.

Note

A maximum of 500 drivers can be associated with a single device.

9.2.4. MAPLY Section

NOTE: This section is available only if the Maply add-on is active



- **Enable transfers and fueling by registration number. Third Parties**

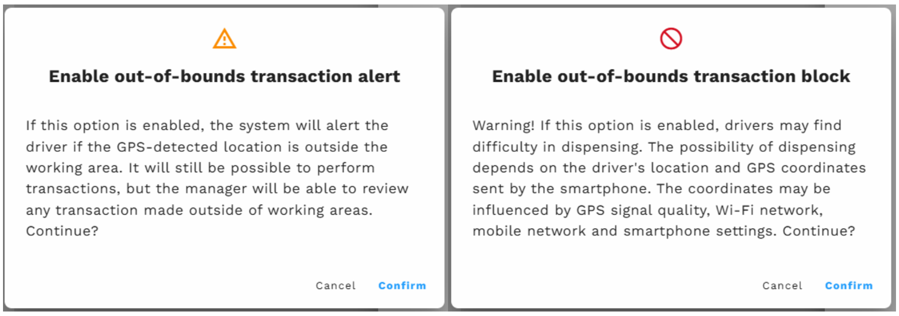
  NOTE: This field is available only if the Tank Watchdog add-on is active

  If this feature is enabled, all drivers who connect to this control unit can dispense fuel based on third-party registration numbers and can also automatically manage product transfers between tanks within the facility.

- **Dispensing Management**

  This setting specifies how dispensing is managed based on the pump's GPS location; the possible configurations are as follows:
  - *Dispense Anywhere*: fueling from the pump can be initiated at any geographic location; no restrictions are applied;
  - *Report refueling outside operational areas*: Refueling from the pump can be initiated at any geographic location, but the driver will be notified if they are initiating a refueling outside the operational areas. If the driver proceeds with the refueling despite the warning, the refueling report will notify the facility manager that the refueling was performed in a location where it is not permitted.
  - *Block dispensing outside operational areas*: drivers can only dispense from the device if it is located within one of the operational areas. This restriction allows operation in all existing operational areas within the facility.

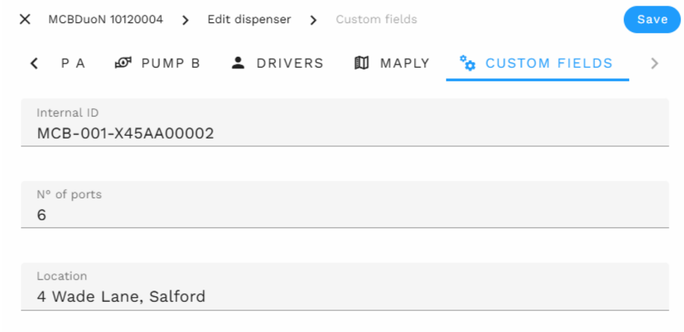
NOTE: When changing the dispensing management setting, one of the two alerts shown below will appear, depending on whether you are switching to "notification" or "block" mode, respectively.



9.2.5. CUSTOM FIELDS Section

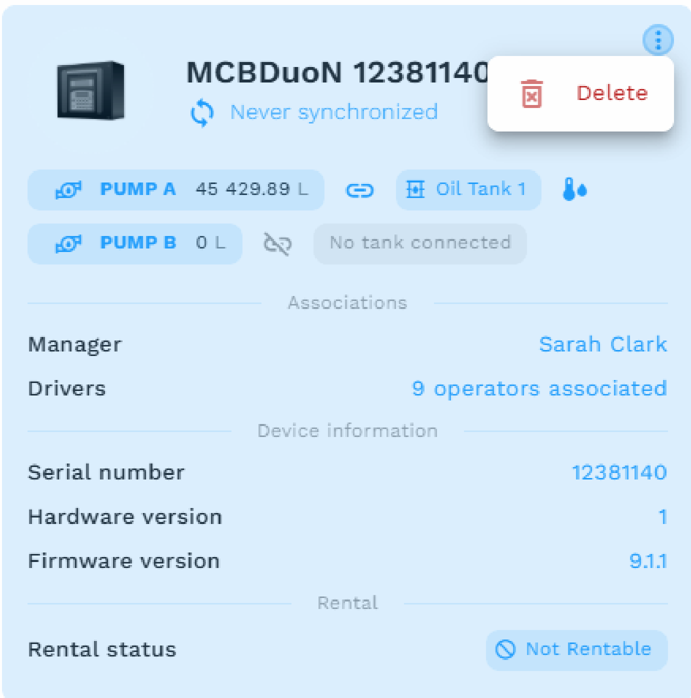
NOTE: This section is available only if the “Enable custom fields” setting is active and custom fields have been set up for drivers (see chapter 14.2.1).

This section allows you to enter custom fields on the device being created.



9.3. Management Operations

Clicking the three dots in the top right corner of a device’s card will display the actions that can be performed on it.



Note

“Supreme” devices do not have a delete button, so they cannot be deleted directly. You will need to perform the reset procedure (*see chapter 9.1.2*)

9.3.1. Deletion

Pressing “Delete” will remove the device from the system. You will be asked to confirm before deleting.

Warning!

When a device is deleted, all configuration data will be lost.

- The delete operation should only be used if you need to move the pump to a different system (see the smartphone app manual for more details).

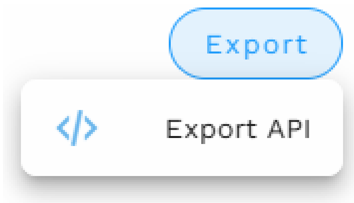
Note

Deleted devices can be viewed by selecting the “Deleted” button among the advanced device filter statuses (*see chapter 5.1 for more details*).

9.4. Export

Devices can be exported in only one way: via API.

Clicking the “API Export” option will redirect you to the export API documentation for devices.

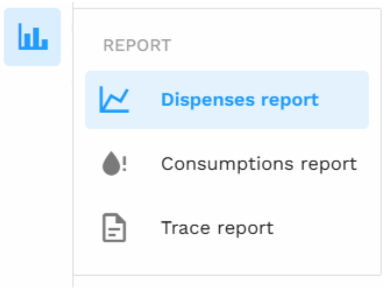


Note

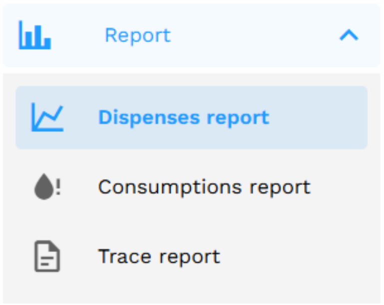
The “Export via API” option is available only after enabling the “Enable Export API” setting. See chapter 14.2.2.

10. REPORT

In the REPORT section, accessible by clicking the menu icon shown below, you can view the history of fuel dispensing within the facility, consumption by vehicle or by driver, and manage route reports.



Report icon (compact menu), with submenu icons.

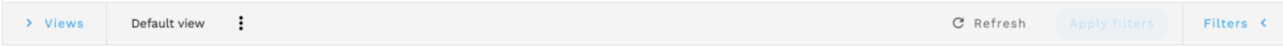


Report icon (expanded menu), with submenu items.

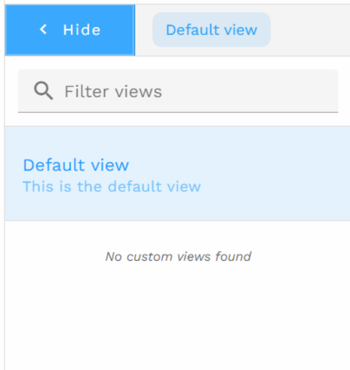
10.1. Views

The reporting pages will have a bar at the top for managing views (see image below).

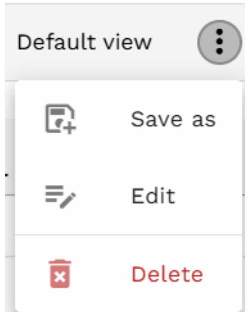
Views are filter configurations that can be saved and recalled by the user for more effective data visualization.

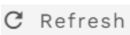
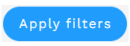


The views bar is composed as follows:



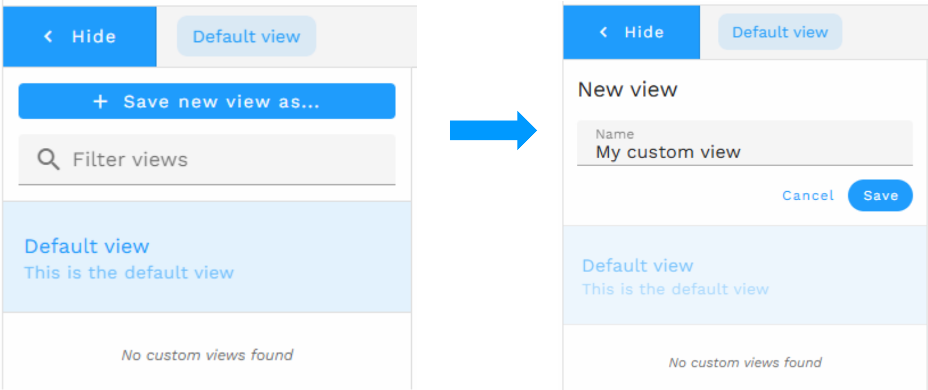
- **“Views” button**:
  Clicking this button will open a dropdown menu on the left containing the list of currently saved views.
  If no views have been saved yet, the only entry in the list will be “Default View.”.
  In this section, you can filter the available views by name
- **View Name**:
  This indicator showing the name of the currently selected view is clickable. Clicking on the name will open the left-hand panel containing the saved views.

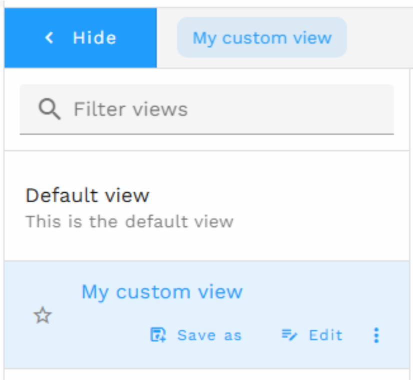


- **Options**:
  The options, accessible by tapping the three dots, allow you to save a new view based on the current one, edit the view, or delete the view.
- **Refresh**:
  The refresh button (
), when pressed, will refresh the data on the page without reloading the page.
- **Apply filters**:
  The Apply Filters button will be clickable if and only if the filters have changed from the previously applied filters. If there is a change to apply, the button will become solid and colored: 
.
  NOTE: Applying filters does not save them; it merely applies them and updates the data using the currently selected filters.
- **Filters**:
  Clicking this button will open a drop-down menu on the right containing the available filters that can be applied to the data.

10.1.1. Creating a View

Once you have modified any filter, a save button will appear in the left-hand view pane. Clicking this button will turn it into a field where you can enter the name of the view to be created, as shown below.





Once you’ve entered the name, simply click the “Save” button to create a new view.

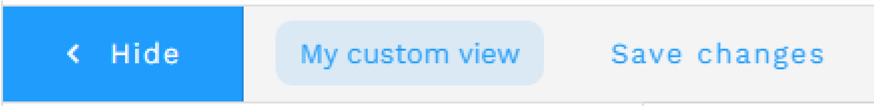
Once a new view is created, it will appear in the list of views for the current report.

You can then select it to apply its filters to the report page or perform a variety of actions on it, as described in the chapter 10.1.3.

Every system user can create custom display templates that will remain saved in their account even if they log out of the Web App.

10.1.2. Editing a view

Once you have modified any filter with a previously saved view selected, the “Save Changes” button will appear next to the view’s name.

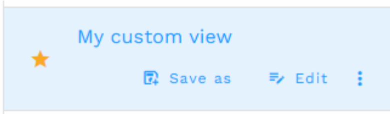


By clicking the "Save Changes" button, the view will be saved with the currently set filters.

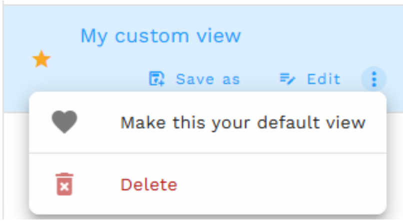
10.1.3. View Operations

You can perform various operations on each view:

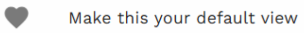
- **Set as Favorite**:
  To set a view as a favorite, click the star icon on the left. The list of views will be sorted by "favorite" status: favorites will appear at the top of the list.



- **Save As**:
  Using this button, you can create a new view based on the selected one. The new view will be an exact copy of the current view. You can set a name for the new copy, as described in the previous chapter.
- **Edit**:
  Allows you to edit the view name
- **Additional actions**:
  By tapping the three-dot icon, you can perform additional actions:
  - Set the view as default
  - Delete the view



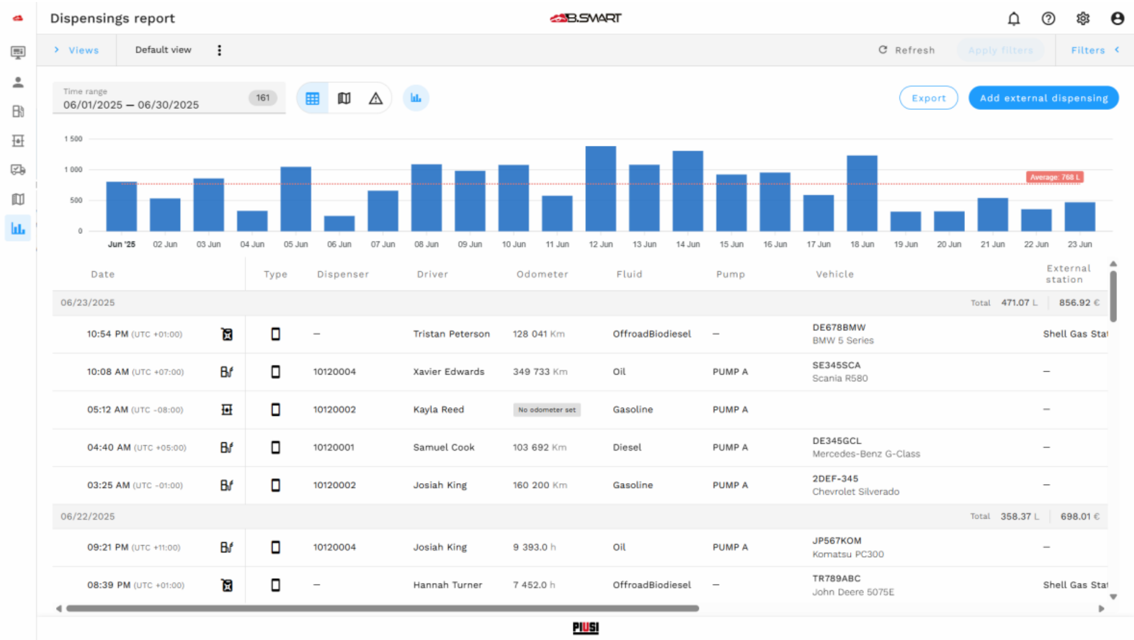
A view set as “default” will be marked with a special label below its name:

The default view will be loaded and applied every time the reporting page is reloaded. To change the default view, simply switch to a different view, click the three-dot icon in the bottom-right corner, and select the option 

.

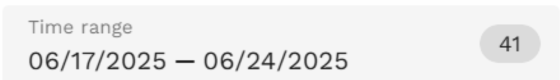
10.2. Dispensing Report

This page displays a table of the dispensing operations performed at the facility.

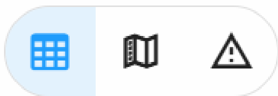


This is a reporting page, so it will have its own section of views *(see chapter 10.1for a detailed explanation).*

At the top left, there is a selection field for the time period. This is the time period for which data will be searched and displayed.



Next to the time search field is a button selector for changing the display *(see chapter 10.2.1for a detailed explanation).*

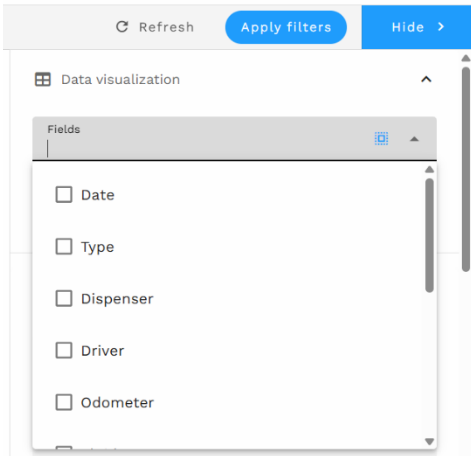


Finally, the last button on the left side  , which will appear only if a chart is included in the current view, allows you to show or hide the chart to save space on smaller screens or if you want to temporarily give more space to the tabular data.

10.2.1. Display Mode

10.2.1.1. Table

The tabular display mode, selectable by clicking the button with the table icon, is the classic tabular display of disbursements made. It is accompanied by a chart that can be temporarily hidden.

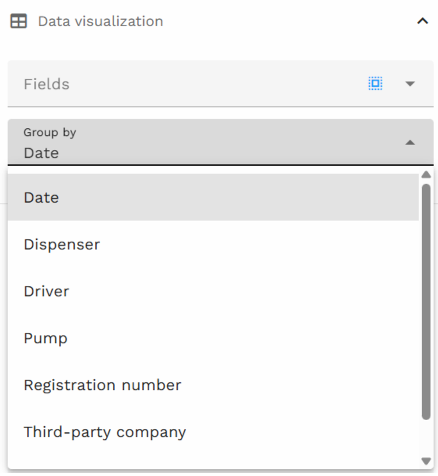


You can select the desired columns using the “Fields” filter, accessible within the “Filters” section of the view bar.

Clicking on the field opens a multiple-selection dropdown menu that allows you to select one or more fields (or columns).

Note

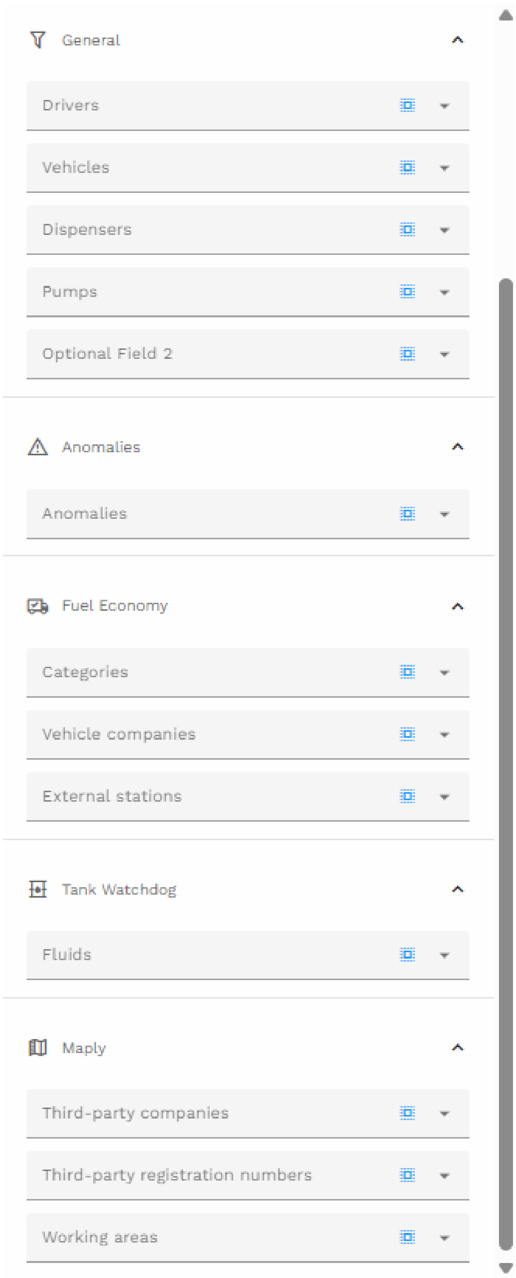
- If no value is selected from the field described above, all fields (or columns) will be displayed in the table
- The selected fields affect the table and the file exported in PDF format. **They** will affect the file exported to Excel.



There is also a second “group by” field, which is used to change the grouping of the data. When you select a field (or column), the data in the table and in the exported PDF file will be grouped by the selected field. By default, dispensing data is grouped by date.

Filters

The filters available on the disbursement report page are as follows, categorized by topic:



General

- **Drivers**
- **Vehicles**
- **Devices**
- **Pumps**
- **Optional Field 2**

  <u>Note</u>: This field appears only if the "Enable optional fields" setting is enabled.

Anomalies

- **Anomalies**

  You can select one or more of the following issues:
  - Power outage
  - Dispensing outside the operating range

Fuel Economy *(visible only if the Fuel Economy add-on is active)*

- **Categories**
- **Vehicle brands**
- **External Stations**

Tank Watchdog *(visible only if the Tank Watchdog add-on is active)*

- **Fluids**

Maply *(visible only if the Maply add-on is active)*

- **Third-party companies**
- **Third-party registration numbers**
- **Operational Areas**

Dispense Details

The following information is displayed in the row for a single delivery:

- **Status icon**

  Indicates whether the dispensing was completed successfully or if a problem occurred during refueling:

  The presence of the symbol ⚠ at the beginning of the row indicates that an anomaly occurred during the refueling. Possible errors include:

  - <u>Incorrect date</u>

    All dispensing operations performed under this abnormal condition will have an incorrect or invalid value in the date field.
    See chapter 10.2.1.3 for more information.

  - <u>Power interruption</u>

    Due to a power supply issue during dispensing, the dispensing was interrupted by the device suddenly shutting down.

  - <u>Communication error with the level sensor or OCIO 2.0</u>

    The device cannot communicate with the level sensor. To resolve the issue, check the device connections and configuration.

- **Authentication Type**

  Indicates how the driver authenticated at the pump:

  Access was granted using an iButton key

  Access was granted via the smartphone app

  Access was performed via the keypad (dispenser)

- **Date and time**

  The date and time (displayed according to the pump's time zone) when fuel was dispensed.

- **Type of refueling**

  Indicates whether the transaction was a calibration or a refueling:

  Refueling of a vehicle

  Refueling for a third-party company

  Transfer of fluid from one tank to another

  Calibration dispensing

External dispensing entered into the B.SMART system via smartphone app or web app.

- **Dispensing protection**

  If the dispensing is protected by a TAG, the icon will appear next to the dispensing type icon.

- **Device**

  Name of the charging station from which the charging was performed.

- **Driver**

  Name of the driver who performed the operation.

- **Optional field 1**

  Value entered by the mobile app for optional field 1.

  NOTE: This column is visible only if the system preference "Enable optional fields" is enabled.

  Optional Field 2

  Value entered by the mobile app for optional field 2.

  NOTE: This column is visible only if the system preference "Enable optional fields" is enabled.

- **Calibration factor**

  Calibration factor of the device at the time of dispensing.

- **Odometer**

  Odometer value entered.

  NOTE: This column is visible only if the device is enabled for odometer management.

- **Pump**

  Name of the pump used for dispensing.

- **Quantity**

  Dispensed quantity reported in the unit of measurement selected in the configuration section (*see chapter 14.1.1*).

- **Refilled tank**

  Indicates the tank into which the dispensed fluid was transferred.

  NOTE: This column is visible only if both the Tank Watchdog and Maply add-ons are active.

  Coordinates

The phone’s GPS location at the time of dispensing.

NOTE: This column is visible only if the Maply add-on is active.

- **Operating Area**

  Name of the area where the phone was located at the time of dispensing.

  NOTE: This column is visible only if the Maply add-on is active.

- **Company**

  Third-party company for which the delivery was made

  NOTE: This column is visible only if the Maply add-on is active.

- **Registration number**

  Registration number entered at the time of dispensing.

- **Fluid**

  Dispensed fluid

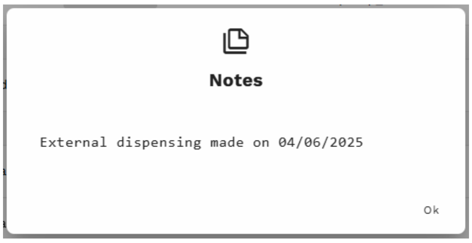
  NOTE: This column is visible only if the Tank Watchdog add-on is active.

Actions on dispensing

Various actions can be performed on dispensing operations; these will appear when you hover over the end of each row, in the following order:

- **Show note**

  NOTE: This option appears only if the dispensing is external.
  Once this option is clicked, a modal window opens containing the text of the external disbursement note (if available).



- **View distribution photo**

  NOTE: this option appears only if the dispensing has at least one associated photo.
  Once this option is clicked, a modal window opens containing the photo(s) associated with the dispensing.

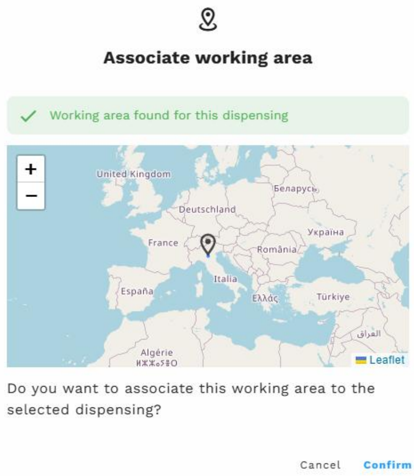
- **View odometer photo**

  NOTE: this option appears only if a photo of the odometer was taken during the dispensing process.
  Once this option is clicked, a modal window opens containing the odometer photo.

- **Print receipt**

  NOTE: This option appears only if the transaction has an associated receipt.
  Clicking this option will download the PDF of the receipt associated with the transaction.

- **Associate service area**



  NOTE: This option appears only if the Maply add-on is active and not about to expire, and if no operational area is associated with the dispensing.
  Clicking this option will open a modal window where a service area to associate will be automatically searched for (based on the delivery coordinates).
  If an area is found, you can click the confirmation button to associate the supply with the operational area.
  If no operational area containing the selected supply is found, the system will allow you to create a new operational area based on the supply's coordinates. Once the new operational area has been created, it will be automatically associated with the service.

- **View on map**

  NOTE: this option appears only if the Maply add-on is active, the supply is not external, and the supply coordinates are valid.
  Clicking this option will redirect you to the distribution display on the map, with the current distribution highlighted *(see chapter 10.2.1.2for more information).*

- **Edit Discharge**

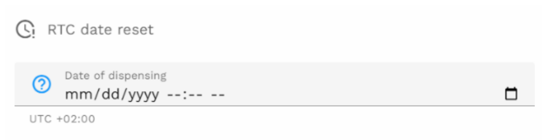
  Any non-calibration supply can be edited by an administrator user.

Editing a of a vehicle

This form allows you to edit:

- **Registration number**
- **Odometer**, if the odometer type is not empty.
- **Optional fields**, if the "Enable *optional fields" setting is active .*

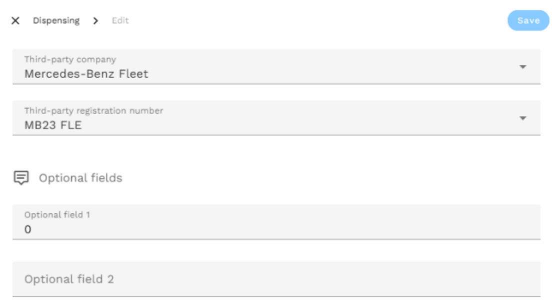
If the refueling entry has no date (or an invalid date), an additional field will appear to set the date.



Editing a refueling for a third-party company

NOTE: This form is available only if the Maply add-on is active.

This form allows you to edit the third-party company and third-party registration number. Additionally, if the *"Enable optional fields"* setting is active, you can edit the two optional fields.



Edit a transfer

NOTE: This form is available only if the Maply add-on is active.

This form allows you to edit the tank associated with the transfer. Additionally, if the *"Enable optional fields"* setting is enabled, you can edit the two optional fields.

Warning: Making this change automatically creates a discharge transaction on the old tank and a loading transaction on the new one.

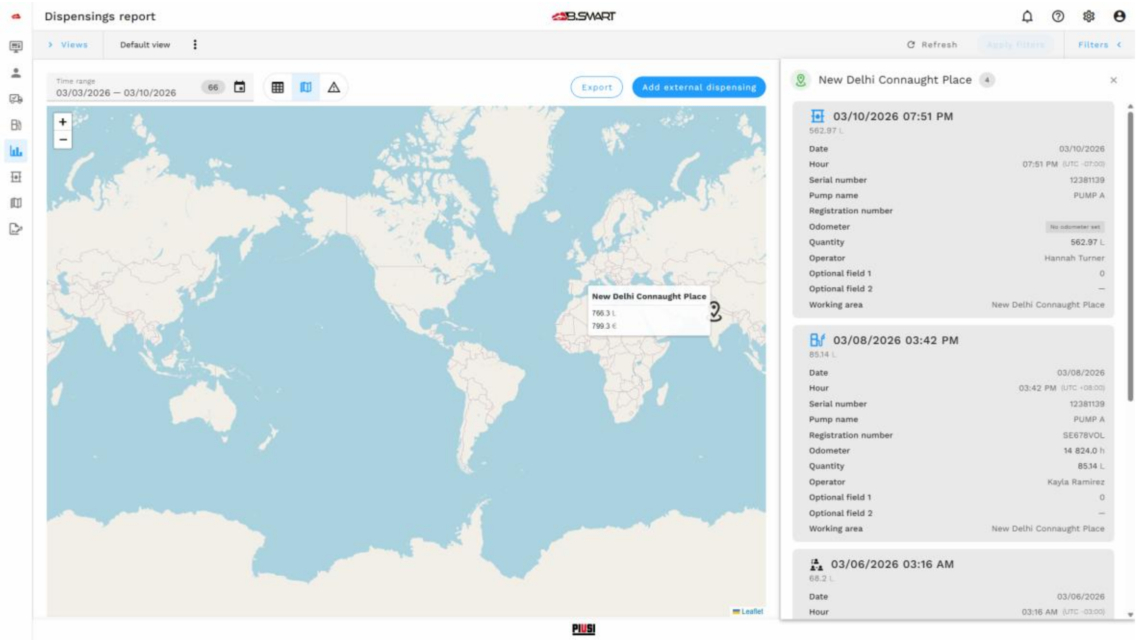
Editing an external dispensing

This form allows you to edit all fields of the external dispensing record.

Refer to the chapter 10.2.2 for a description of the fields in the form for adding/editing an external supply.

10.2.1.2. Map

The map view mode, selectable by clicking the button with the map icon, displays the geolocated supply points on the map.



There are two different types of location identifiers on the map:

Identifies a single dispenser that is not located within any area. This location indicator appears yellow if the *"Dispensation Management"* is set to "Report dispensations outside operational areas" (*see chapter 9.2.4*) and the column was in a position during dispensing where dispensing was not permitted.

It identifies an operational area, which groups all dispensing operations that were performed within that area.

If there are many position markers in a small portion of the map, they will be automatically grouped . The number inside the circular icon represents the number of grouped markers. Clicking on the icon will zoom in on the map to "expand" the grouping and display the individual markers.

Clicking on a single marker will open a panel on the right containing the details of the delivery if the marker represents a single delivery; otherwise, it will show the details of all deliveries made in the area.

Type of position indicator (single or area)

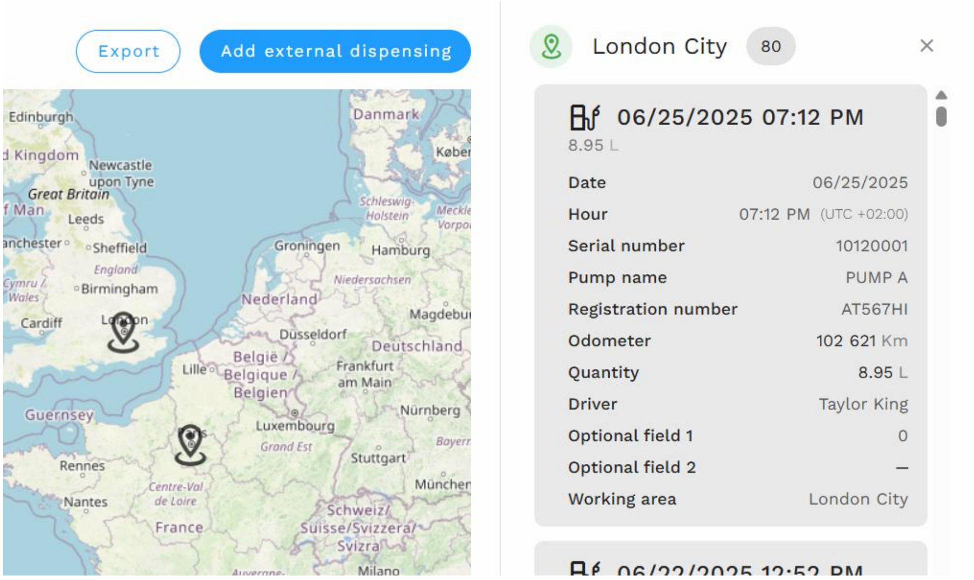
Name of the position indicator

Number of dispenses at the selected location

Close details button

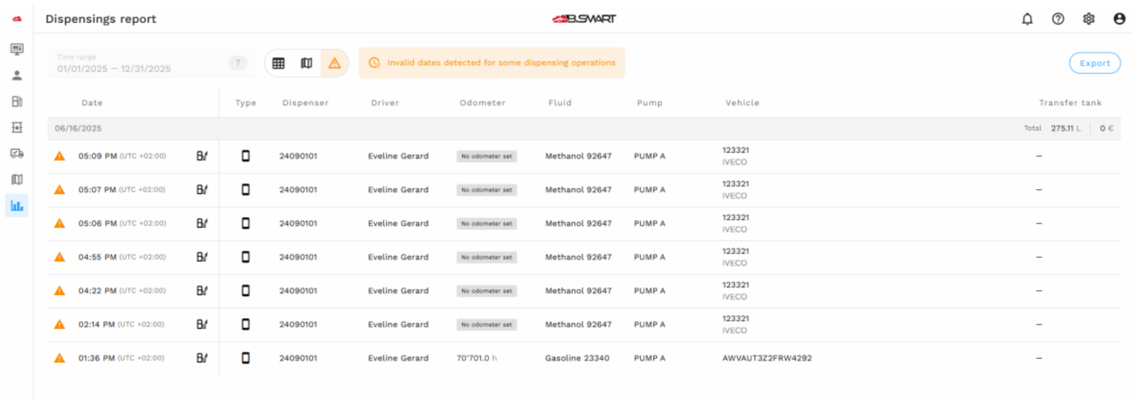
Date and time of the

Icon representing the type of distribution



10.2.1.3. Anomalies

The display mode for anomalies, selectable by clicking the button with the warning icon, is a filter on the dispensing table that shows only those with an anomaly in the date.



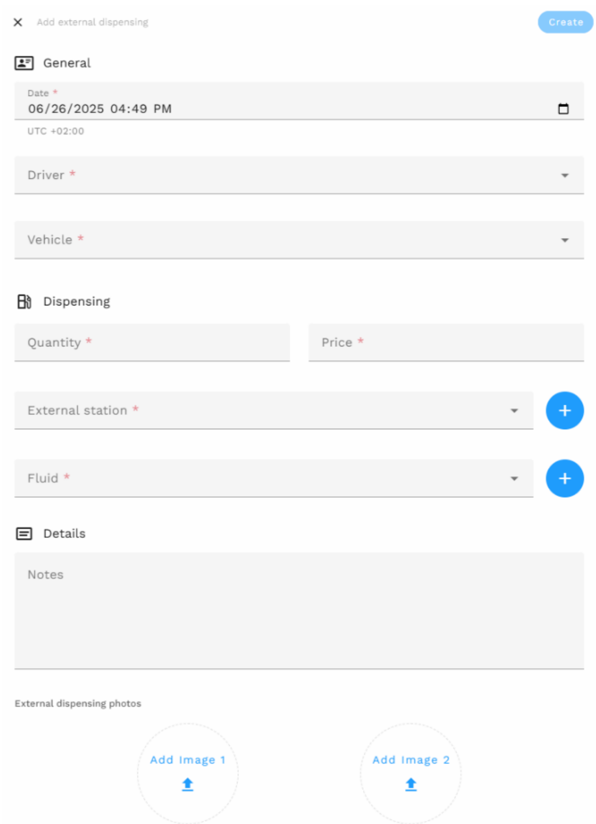
These dispenses can be edited using the edit action  just as in the table view. Once this button is pressed, an edit panel will open on the right with the same fields described in the previous chapter (*Edit Dispensation*section).

Since these disbursements have no date, the date edit field will always be present (*see previous chapter*).

10.2.2. Add External Payment

NOTE: This section is available only if the Fuel Economy add-on is active

You can add an external payment by clicking the Add external dispense. This will open the form for entering a new external dispensing, structured as follows:



- **Date**

  Date and time when the disbursement was made.
  Note: You cannot enter a refueling with a future date.

- **Vehicle**

  Specify the vehicle that performed the dispensing.

- **External Station**

  NOTE: This field is available only if the "External Stations" option of the Fuel Economy add-on is enabled

  The gas station where the refueling took place.
  You can add an external station directly from this form by clicking the button (*see chapter 8.4.2 for a detailed description of how to add a new external station*).

- **Dispensed quantity**
- **Cost**

  Enter the total cost of the refueling.

- **Fluid**

  NOTE: This field is available only if the Tank Watchdog add-on is active

  The fluid with which the vehicle was refueled.
  You can add a fluid directly from this form by clicking the button (*see chapter 11.3.2 for a detailed description of how to add a new fluid*).

- **AdBlue Refueling**

  Indicate whether AdBlue was refueled.

  NOTE: This button will only appear if Fuel Economy (and consequently AdBlue management) is active on the selected vehicle.

- **Odometer**

  Enter the vehicle's odometer reading on the date of refueling.
  Warning: To ensure accurate fuel consumption calculations, do not enter an odometer reading lower than the last odometer reading entered for the selected vehicle (in this case, consumption is calculated as 0).

- **Notes**

  Enter a text note to provide additional information regarding the refueling performed outside the facility.

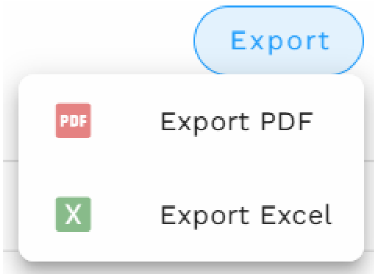
- **Images of the external refueling**

  Enter a maximum of two images related to the off-site fueling.

10.2.3. Export

Clicking the export button will open a drop-down menu from which you can choose between two options:

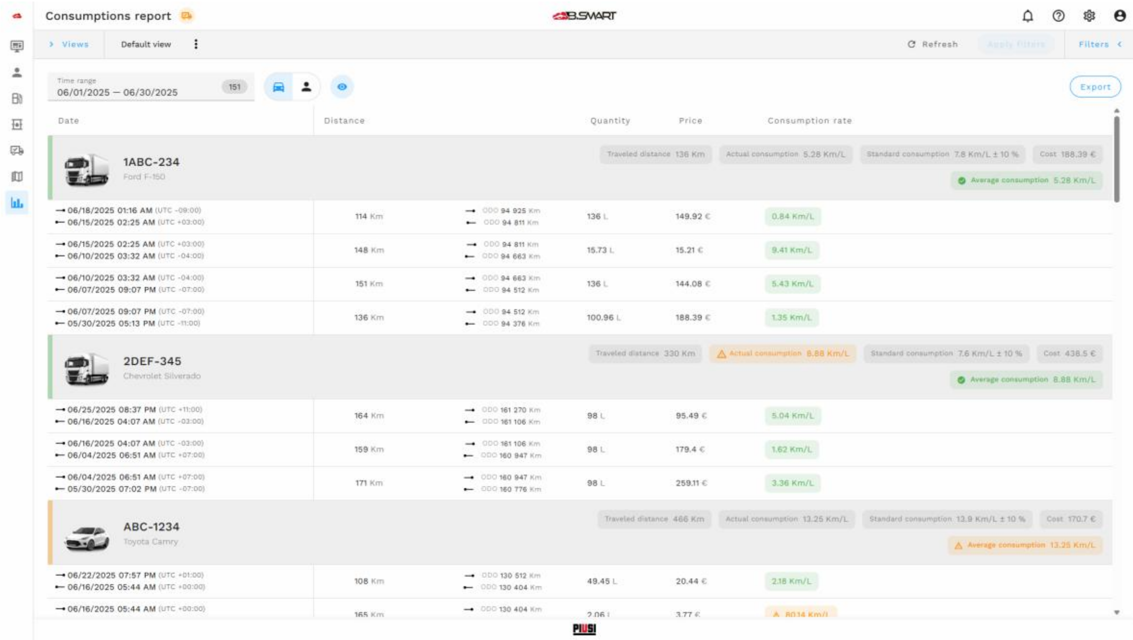
- Exporting deliveries in PDF format
- Exporting dispenses in Excel format



10.3. Fuel consumption report

NOTE: This section is available only if the Fuel Economy add-on is active.

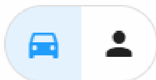
This page displays a table of fuel consumption for the facility's vehicles.



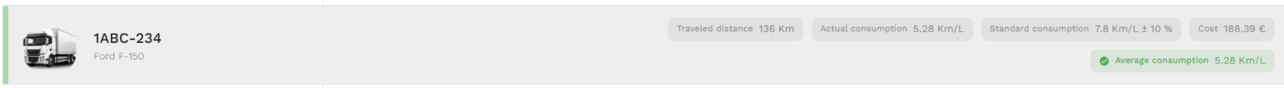
This is a reporting page, so it will have its own section of views *(see chapter 10.1for a detailed explanation)*.

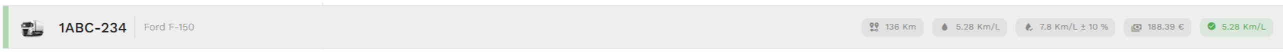
At the top left, there is a selection field for the time period. This is the time period for which data will be searched and displayed.

Next to the time search field is a button selector for changing the display *(see chapter 10.2.1for a detailed explanation)*.



Finally, the last button on the left side () allows you to change the display mode for the header information: expanded or compact, as shown in the figures below.





Note

Fuel consumption is calculated only for vehicles with the "Fuel Economy" function enabled (*see chapter 8.1.2.2*) and based on fueling sessions performed **after** the activation of this feature.

10.3.1. Fuel Consumption Calculation Logic

The fuel consumption for each trip, if the odometer is expressed in kilometers or miles, is calculated by dividing the distance traveled since the last refueling by the amount of fuel dispensed. Otherwise, if the odometer is in hours, consumption is calculated by dividing the amount of fuel dispensed by the time elapsed since the last refueling. These calculations assume that the vehicle's fuel tank is always filled to capacity.

A vehicle's average fuel consumption is calculated as the average of the fuel consumption for each individual trip it has taken.

Example

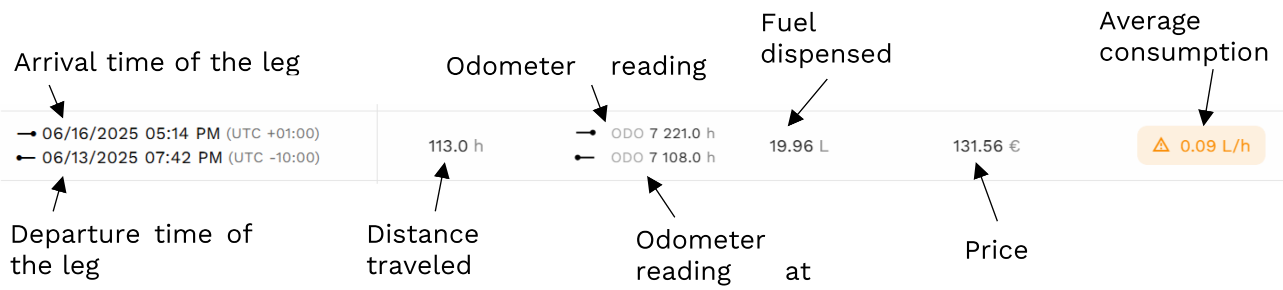
Analyzing the fuel consumption report shown in the image below, the vehicle has traveled five legs.

DE012FEN
Fendt 1050

Traveled distance 550 h | Actual consumption 0.77 L/h | Standard consumption 17.3 L/h ± 10 % | Cost 692.28 € | Average consumption 0.77 L/h

→ 06/19/2025 07:00 PM (UTC -01:00) ← 06/16/2025 05:14 PM (UTC +01:00)	159.0 h	→ ODO 7 380.0 h ← ODO 7 221.0 h	21.33 L	23.51 €	0.08 L/h
→ 06/16/2025 05:14 PM (UTC +01:00) ← 06/13/2025 07:42 PM (UTC -10:00)	113.0 h	→ ODO 7 221.0 h ← ODO 7 108.0 h	19.96 L	131.56 €	⚠ 0.09 L/h
→ 06/13/2025 07:42 PM (UTC -10:00) ← 06/08/2025 09:50 AM (UTC +07:00)	103.0 h	→ ODO 7 108.0 h ← ODO 7 005.0 h	40.2 L	42.6 €	0.02 L/h
→ 06/08/2025 09:50 AM (UTC +07:00) ← 06/03/2025 10:27 AM (UTC +00:00)	137.0 h	→ ODO 7 005.0 h ← ODO 6 868.0 h	65.18 L	193.34 €	⚠ 0.48 L/h
→ 06/03/2025 10:27 AM (UTC +00:00) ← 05/10/2025 06:38 PM (UTC +02:00)	197.0 h	→ ODO 6 868.0 h ← ODO 6 671.0 h	196.88 L	367.37 €	⚠ 1 L/h

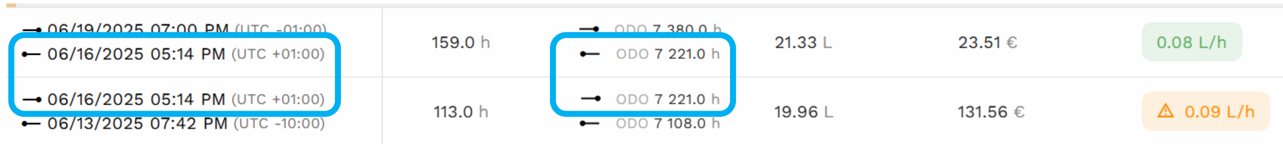
Each row of the table represents a trip:



Since each row represents a vehicle trip, the departure information in a row is the same as the arrival information in the row below

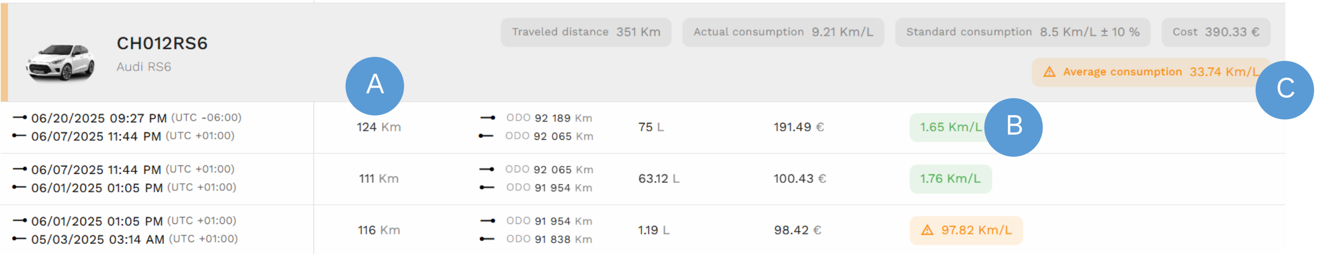
In the example below:

- The departure date in row 1 is the same as the arrival date in row 2
- The starting odometer reading in row 1 is the same as the arrival odometer reading in row 2



→ 06/19/2025 07:00 PM (UTC -01:00) ← 06/16/2025 05:14 PM (UTC +01:00)	159.0 h	→ ODO 7 380.0 h ← ODO 7 221.0 h	21.33 L	23.51 €	0.08 L/h
→ 06/16/2025 05:14 PM (UTC +01:00) ← 06/13/2025 07:42 PM (UTC -10:00)	113.0 h	→ ODO 7 221.0 h ← ODO 7 108.0 h	19.96 L	131.56 €	⚠ 0.09 L/h

Let's now analyze the fuel consumption calculation by looking at a vehicle's header and a row representing a trip:



CH012RS6
Audi RS6
Traveled distance 351 Km | Actual consumption 9.21 Km/L | Standard consumption 8.5 Km/L ± 10 % | Cost 390.33 €
⚠ Average consumption 33.74 Km/L (C)

	A				B
→ 06/20/2025 09:27 PM (UTC -06:00) ← 06/07/2025 11:44 PM (UTC +01:00)	124 Km	→ ODO 92 189 Km ← ODO 92 065 Km	75 L	191.49 €	1.65 Km/L
→ 06/07/2025 11:44 PM (UTC +01:00) ← 06/01/2025 01:05 PM (UTC +01:00)	111 Km	→ ODO 92 065 Km ← ODO 91 954 Km	63.12 L	100.43 €	1.76 Km/L
→ 06/01/2025 01:05 PM (UTC +01:00) ← 05/03/2025 03:14 AM (UTC +01:00)	116 Km	→ ODO 91 954 Km ← ODO 91 838 Km	1.19 L	98.42 €	⚠ 97.82 Km/L

Fuel consumption for the trip is calculated as follows:

- The **distance traveled** (A) is derived from the difference between the odometer readings at the two refueling points:

$$(ODO\ 2\ - ODO\ 1)\ Km\ = (92189 - 92065)\ Km = 124\ Km$$

- The **average fuel consumption for the trip** (B) is obtained by dividing the distance just calculated by the amount of fuel dispensed at the end of the trip;

$$\frac{distanza\ percorsa}{carburante\ erogato} = \frac{124\ Km}{75\ L} = 1.65\ Km/L$$

- The **average fuel consumption of a vehicle** (C) is therefore the average of the average fuel consumption for each leg

$$\frac{(consumo\ tratta\ 1)\ +\ (consumo\ tratta\ 2)\ +\ \dots\ + (consumo\ tratta\ n)}{n}$$

$$Con\ n = numero\ di\ tratte\ percorse$$

So in our case:

$$\frac{(1.65\ +\ 1.76\ +\ 97.82)\ Km/L}{3} = 33.74\ Km/L$$

10.3.2. Vehicle Fuel Consumption Assessment

To provide an assessment of the vehicle's fuel consumption trend, the system uses the graphical rules defined in the following table:

Unit of measurement for the vehicle odometer	$C < \boldsymbol{LI}$	$\boldsymbol{LI} \leq C \leq \boldsymbol{LS}$	$C > \boldsymbol{LS}$
Kilometers or Miles	⚠	✔	✔
Hours	✔	✔	⚠

Legend:

- ✔ Fuel consumption within limits
- ⚠ Excessive consumption

$$C = Consumo\ attuale$$

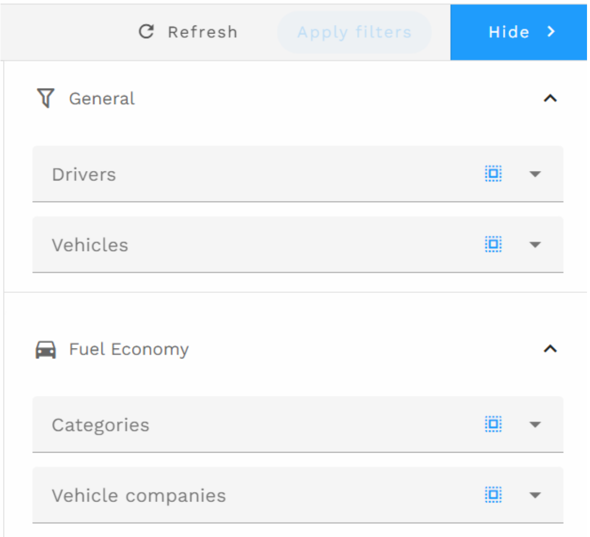
$$\boldsymbol{LI}(Limite\ di\ consumo\ Inferiore) = Consumo\ nominale - Tolleranza\ \%\ applicata\ al\ consumo\ nominale$$

$$\boldsymbol{LS}(Limite\ di\ consumo\ Superiore) = Consumo\ nominale + Tolleranza\ \%\ applicata\ al\ consumo\ nominale$$

The assessment is also shown on the vehicles page (*see chapter 8.1.1*), within each vehicle card.

Any negative ratings, if present, will be displayed with a warning triangle and an orange color on the fuel consumption badge.

10.3.3. Fuel Consumption Report Filters



The filters available on the fuel consumption report page are as follows, organized by category:

General

- **Drivers**
- **Vehicles**

Fuel Economy *(visible only if the Fuel Economy add-on is active)*

- **Categories**
- **Vehicle brands**

10.3.4. Fuel Consumption Report by Driver

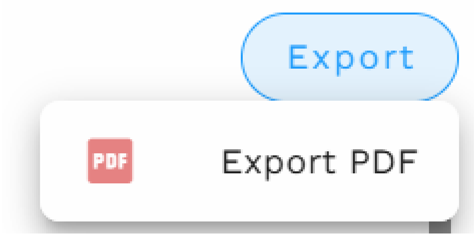
NOTE: This view is available only if the Fuel Economy add-on is active and if the "Enable fuel consumption by individual driver" preference in "Settings/Add-ons/Fuel Economy" is enabled.

Selecting the second option  of the selector in the upper left corner, the page will change its grouping mode, displaying driver fuel consumption for each vehicle in the fleet.

If the "*Enable fuel consumption by individual driver" setting* has been enabled, the smartphone app will require the completion of an additional action before a refueling can be performed (specifically after entering the odometer reading). The user must specify whether they drove the last leg of the trip: if so, the calculated fuel consumption will be attributed to them; otherwise, it will be associated with the last driver who refueled that vehicle.

The calculation of drivers' average fuel consumption is calculated in the same way as that for vehicles (*see chapter 10.3.1*)

10.3.5. Export



Clicking the export button will open a drop-down menu from which you can select a single export method:

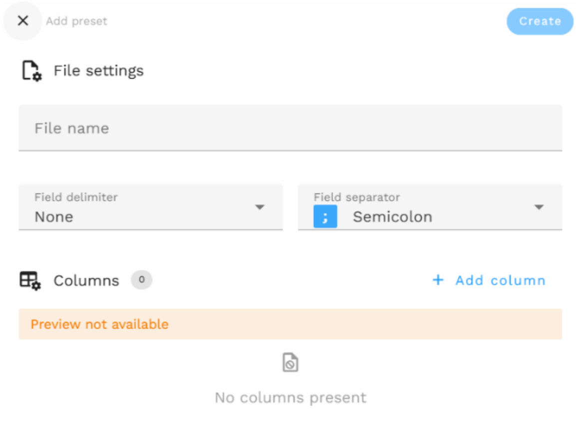
- Export consumption data in PDF format

10.4. Custom export

From this section, you can export text files containing a custom subset of data.

To add a new custom export, click the button in the top right corner Add preset.

The fields in the add (and edit) form are as follows:



- **File name** (required)
  The name of the file to be exported.

- **Field Delimiter**

  Symbol used to separate individual fields. It can be one of the following: single apostrophe (‘), double apostrophe (“), pipe (|).

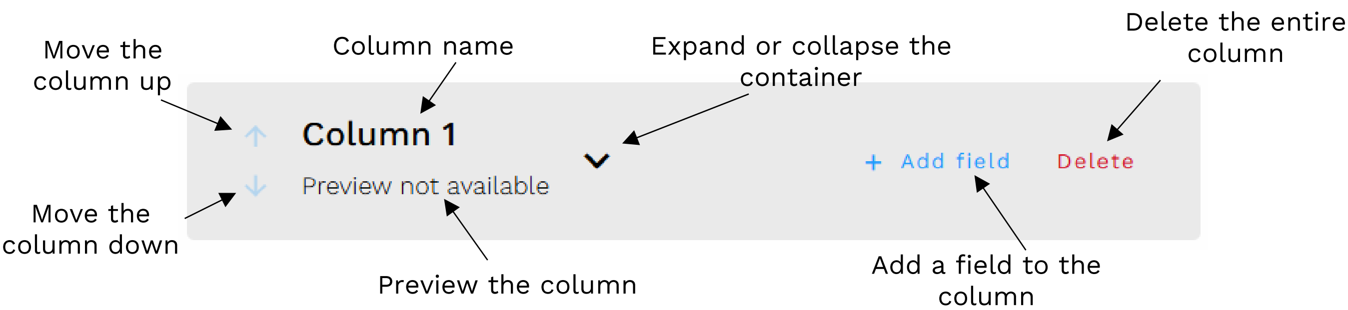
- **Field separator**

  Symbol used to separate the columns. Can be one of the following: comma (,), semicolon (;), underscore (_), hyphen (-), pipe (|).

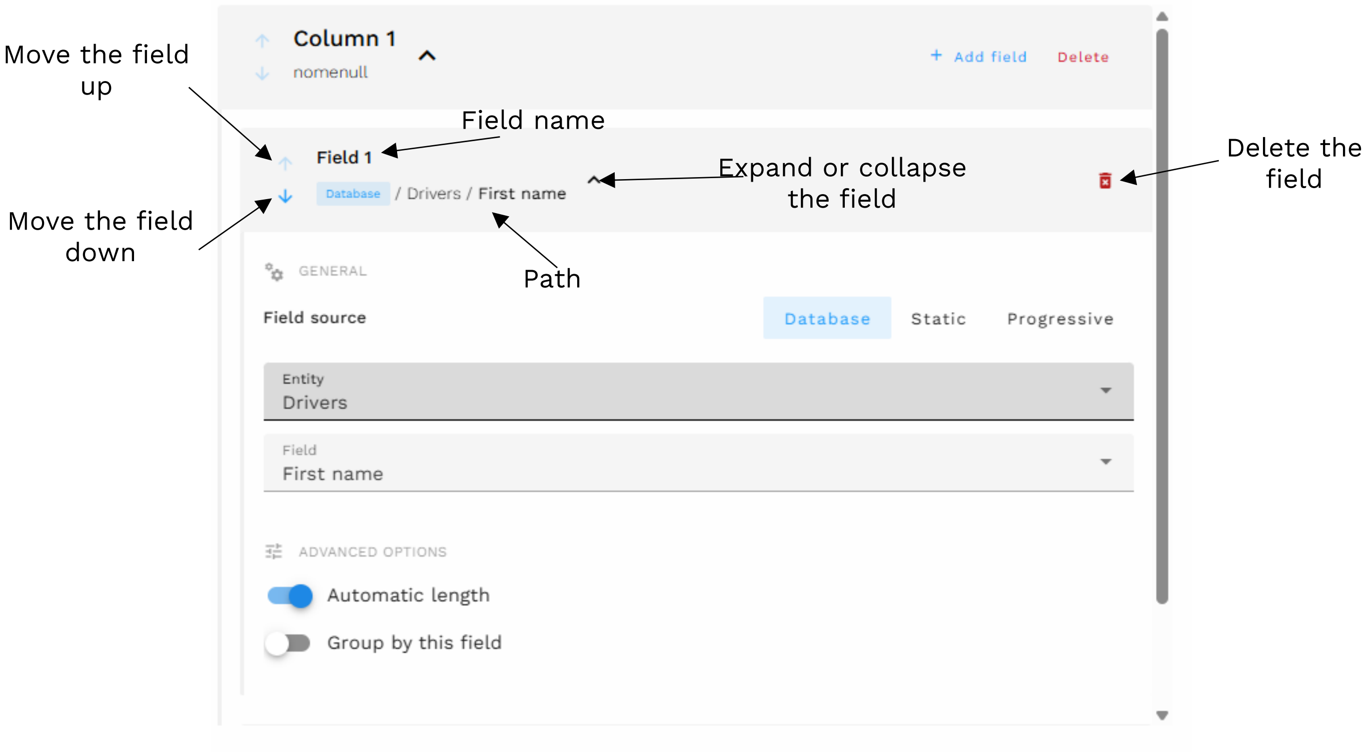
In each custom export configuration, you can define the required columns, along with a wide range of options for formatting the various fields.

To add a column, click the button + Add column to the right of the “Columns” section.

The container shown below will be created, initially empty.



Adding a field will display the container shown below.



In each field configuration, you can choose the value from:

- **Database**

  Value taken from the database. You can select the entity and the specific field to search

- **Static**

  Free-form static field (string of characters, spaces, symbols, or digits)

- **Sequential**

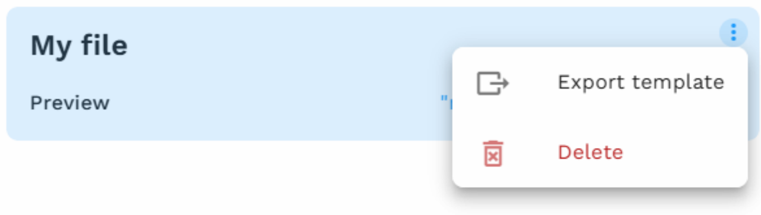
  Sequential number that increments (+1 per row)

10.4.1. Edit

To edit a custom export, click on the card. The edit panel will open on the right, displaying all the fields described in the previous paragraph.

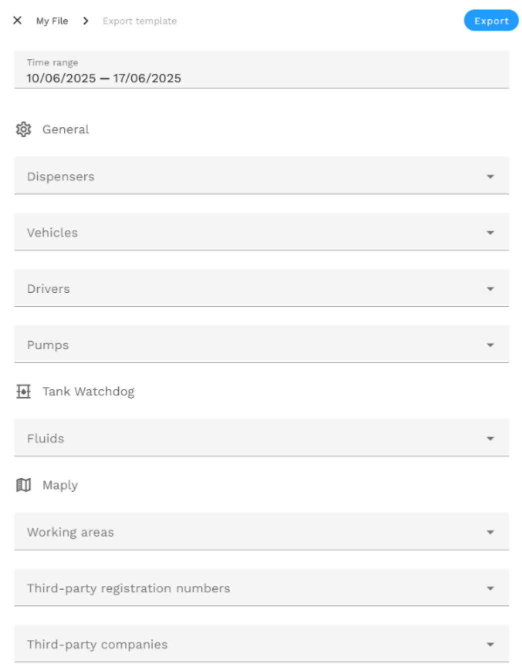
10.4.2. Management Operations

Clicking the three dots in the top-right corner of a custom export card will display the actions available for that export.



10.4.2.1. Export

Clicking "Export Template" will open a panel on the right with various filters applicable to the export:



- **Period**

  Date range within which to perform the search
- **Devices**
- **Vehicles** *(or registration numbers if the Fuel Economy add-on is not active)*
- **Drivers**
- **Pumps**
- *Fluids (available only if the Tank Watchdog add-on is active)*
- *Operational Areas (available only if the Maply add-on is active)*
- **Third-party registration numbers** *(present only if the Maply add-on is active)*
- **Third-party companies** *(only available if the Maply add-on is active)*

By pressing the Export the file will be exported.

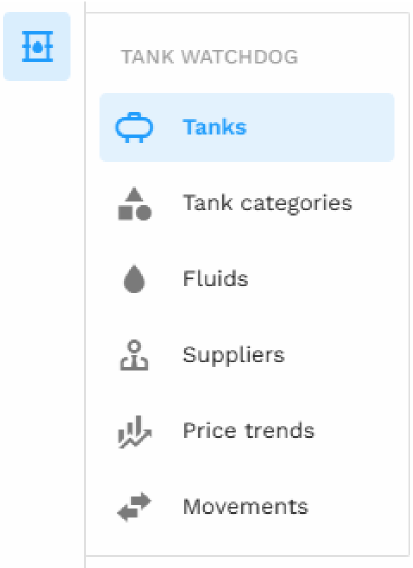
10.4.2.2. Deletion

Pressing "Delete" will delete the custom export. You will be asked to confirm before deleting.

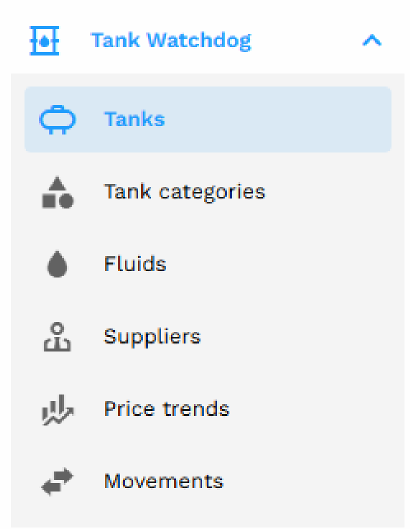
11. TANK MONITORING

NOTE: This section is available only after activating the dedicated “Tank Watchdog” add-on.

In the Tank Monitoring section you can manage the system’s tanks, their movements, and the trends in unit purchase prices for various fluids.



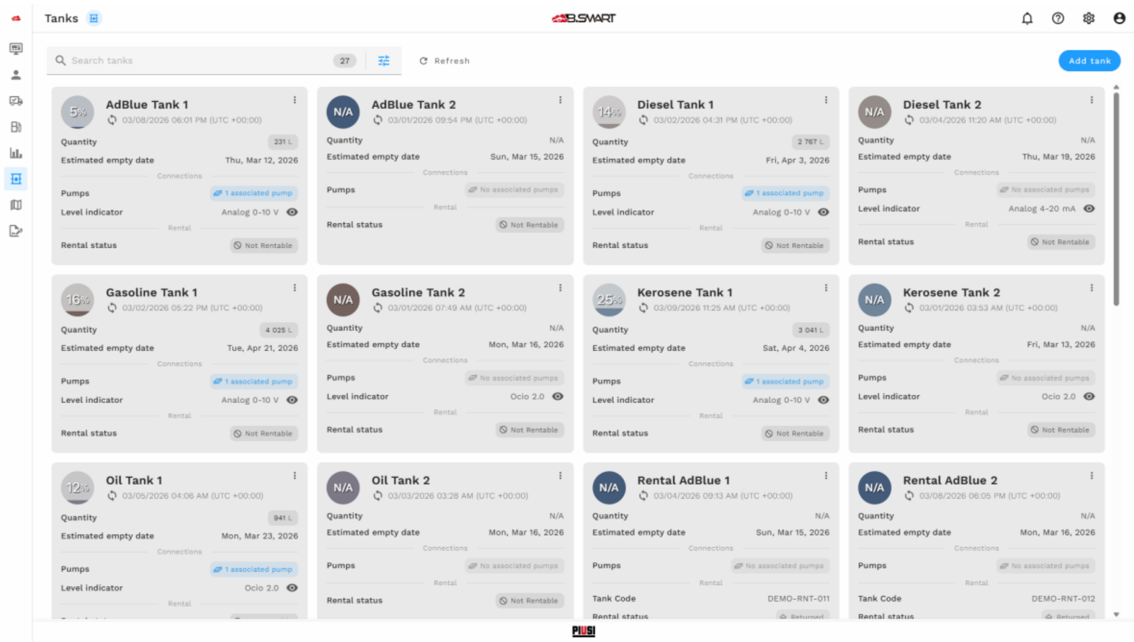
Tank Watchdog icon (compact menu), with submenu icons.



Tank Watchdog icon (collapsed menu), with submenu items.

11.1. Tanks

From this section, you can manage the system's tanks.



11.1.1. Information

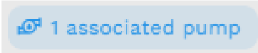
The main details of a tank can be viewed directly from the card in the list.

The following information is displayed for each tank (available only for tanks managed by a B.SMART dispenser):

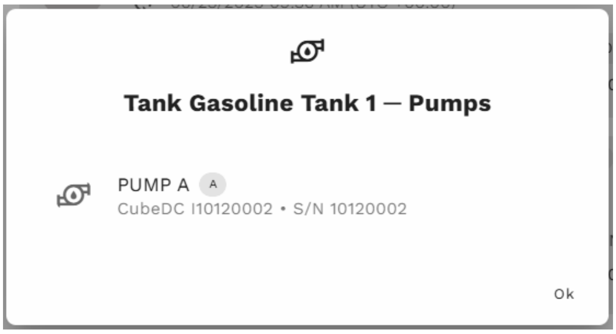
- **Delimiter**
- **Last sync date**

  This represents the last date on which the app synchronized the tank.
  All information (quantity, alarm status, transactions) should be considered relative to that date.
- **Quantity** in the tank
- **Estimated date for tank depletion**
- **Tank category**

- **Connected pumps (and associated dispensers)**

  By clicking on the badge 

 you can view the list of dispensers to which the tank is connected. If no dispensers are connected, the badge will be gray, display the number “0,” and will not be clickable.

  Clicking on the badge will open the modal shown on the side, containing the list of pumps connected to the tank.

- **Level indicator**

  If the tank is monitored by a level sensor (OCIO, Analog, etc.), information about the type of level sensor will be displayed.

- **Alarm configuration and status**

  This value is estimated based on the average number of drain operations performed on the tank per unit of time.

- **Rental information**

  NOTE: This information will only be displayed if the MasterSite add-on is active.

  This information includes: rental status, associated contract code, and customer name.

To view further details, simply tap the card: a panel with detailed information will open, where you can view and edit the data.

11.1.1.1. States

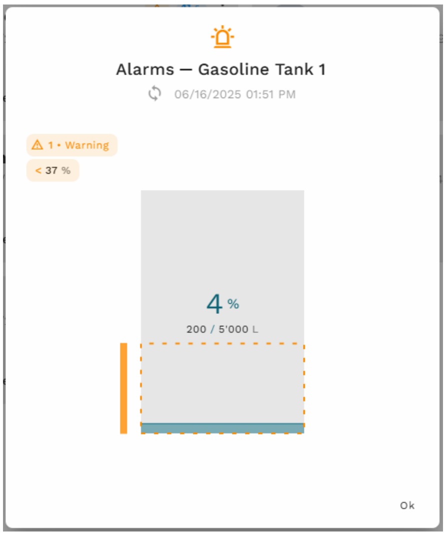
A tank can have different statuses on the card. These statuses will be displayed in the top right corner:

- **Protected**

  The icon indicates that the tank is protected by an RFID tag.

- **Alarms**

  If an alarm is triggered on the tank, the icon will appear. By tapping the , you can view detailed information about the tank's status and the alarm that has been triggered, as shown in the image on the right.



11.1.2. Add

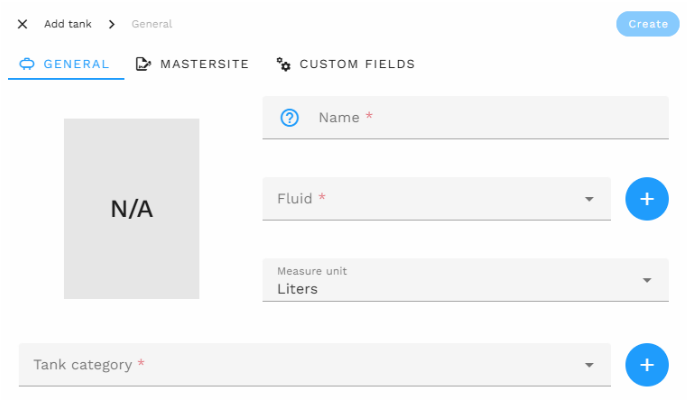
To add a tank, press the button in the upper right corner Add tank.

A panel will open on the right with all the fields to fill out to create a new tank. The fields are grouped and divided into tabs (or sections) based on the topic.

11.1.2.1. GENERAL Information Section

In this section, you can set the general information for a tank. This section is divided into three parts:

General



- **Name**: (Required)
  Unique identifier for the tank (maximum 16 characters)
- **Fluid**: (Required)
  Fluid contained in the tank. You can select a previously created fluid, or create a new one directly by clicking the button + to the right of the field.
- **Unit of measurement**

  Unit of measurement in which the tank properties are expressed (capacity, conversion table values).
  The tank's unit of measurement must match that of all connected dispensers.

  Consequently, it is not possible to have two dispensers that measure in different units of measurement sharing the same tank.

  It is permitted to have multiple dispensers that measure in multiples or submultiples of other units of measurement, for example in the following scenario:

Control Unit 1		**Control Unit 2**
Dispenser A	Dispenser B	Dispenser A
Gallons	Pints	Quarters

  Dispensers A, B, and C can all share the same tank.
- **Tank Category**: (Required)
  You can select a previously created tank category, or create a new one directly by clicking the button + to the right of the field.

Note

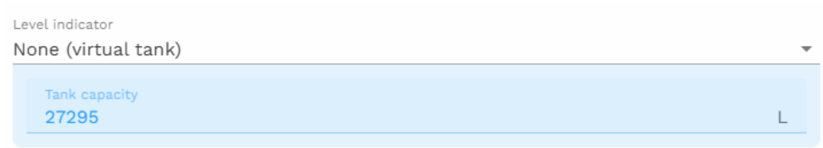
You You cannot change the unit of measurement for a tank that has already been logically connected to one or more dispensers

Level Indicator Configuration

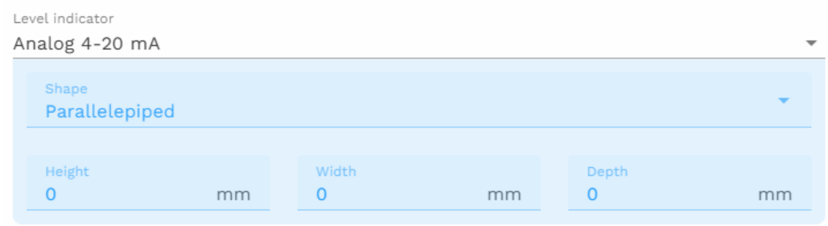
From this subsection, you can modify the following parameters:

- **Level sensor**

  Type of level sensor connected to the tank, select from:
  - None: virtual tank (see image below)



  - OCIO 2.0
  - 4-20mA analog sensor
  - 0-10V analog sensor



- **Capacity:** (only if the tank is virtual)
  Indicates the tank capacity, expressed in the specified unit of measurement.
- **Form:** (only if the tank **is not** is virtual)
  Indicates the geometric shape of the tank, select from:
  - Parallelepiped
  - Horizontal cylinder
  - Vertical cylinder
  - Custom

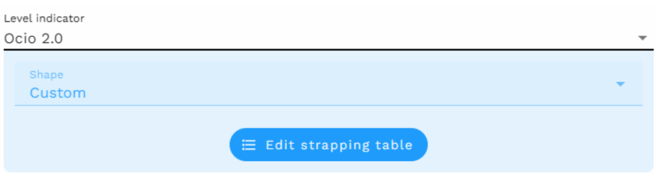
Warning!

In virtual tanks without level sensors, the system manages the product quantity based on recorded transactions.

In particular, **discharge movements related to dispensing are automatically detected and applied by the system**, while any variations not automatically tracked (such as **leaks or recording errors**) **must be manually compensated for by entering adjustment movements**.

To ensure data reliability, **it is strongly recommended to perform periodic checks of the actual tank level using measuring instruments** (e.g., a dipstick). Based on the measured value, the virtual level must be manually updated in the system. Failure to perform these checks can lead to significant discrepancies between the actual level and the displayed level, compromising proper operational management.

If a custom shape has been selected, you can define the tank's geometric representation by filling out a reference table.



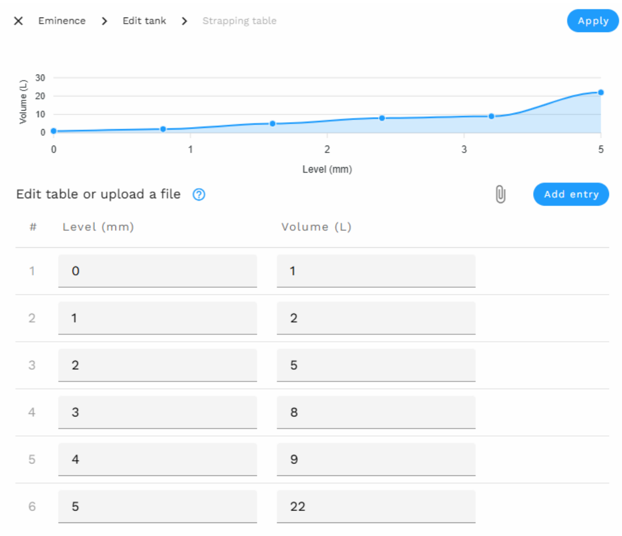
Click the button that appears below the field to fill out the table.

The calibration table consists of a series of measurements (up to 100 values) indicating the volume as the height changes.

You can manually enter values, delete rows, or move them up or down. If there are format or value errors, an error message will appear in the affected field.

A graph will be displayed at the top showing the trend of the conversion table (x-axis: level, y-axis: volume).

You can also import a conversion table by uploading a properly formatted Excel file.



The Excel file must contain two columns: height and volume. Remove any table headers or units of measurement from the cells.

Below is an example of the required Excel file formatting

0	0
10	140
20	200
…	…
70	3000

In both columns, the values must always be in ascending order.

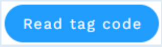
IdentiTank

- **Enable TAG-protected refueling**

  By enabling this function, fluid can be transferred into the tank in question only if the RFID TAG is detected for the entire duration of the transfer operation.
  If the TAG associated with the tank cannot be read, the transfer will be interrupted.

- **TAG Code**

  Enter the numeric string of the RFID tag installed on the tank. This field allows the system to recognize the tank by reading the TAG with a dedicated scanner during dispensing. This field is required only if **TAG-protected refueling** is enabled.

  The TAG code can be entered manually by reading the code on the key or automatically using the dedicated reader to be connected to the PC.
  In this case, you must install the *PIUSI IBUTTON READER* tool ( ) and, once installed, click the button (

).

  You can read the TAG and pair it directly with the smartphone app (see the TAG section of the smartphone app manual).

Alarms

From the "Alarms" subsection, you can configure two level alarms, defining the following for both:

- **Status**

  A toggle button to enable or disable management of the individual alarm.

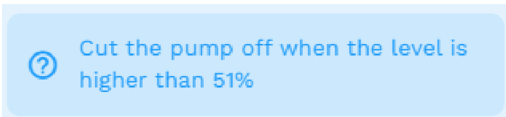
- **Threshold:**

  The threshold value that, once reached, will trigger the alarm.

- **Management**

  The direction of calculation for the alarm threshold. It can be:
  - Low: the alarm triggers when the tank level drops **below** the set threshold.
  - High: the alarm triggers when the tank level rises **above** the set threshold.
- **Behavior**: Action to be performed when the alarm triggers, select from
  - Warning
  - Pump block

Below each of the two alarm fields, there will be an information box that describes the alarm's behavior.



11.1.2.2. MASTERSITE Section

NOTE: This section is available only if the MasterSite extension is active on the site.

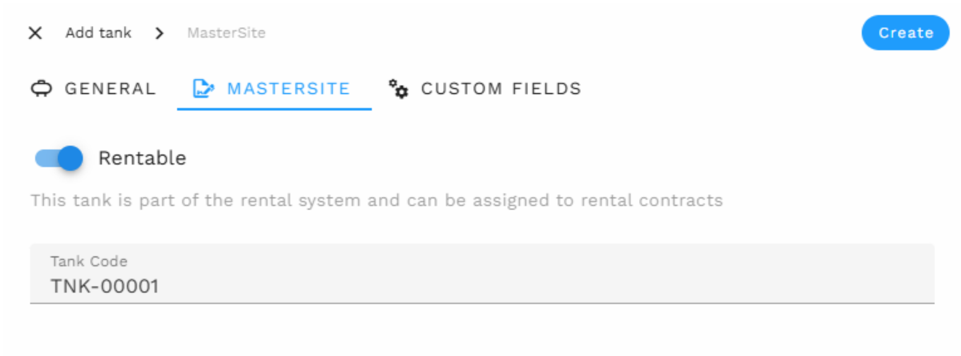
In this section, you can modify the tank rental settings.

- **"Rentable" toggle**

  A toggle that allows you to enable or disable the option to make the tank rentable. A non-rentable tank is considered by the system as "internal" and cannot be associated with contracts.
  A rentable tank, on the other hand, can be associated with contracts.

- **Tank Code**

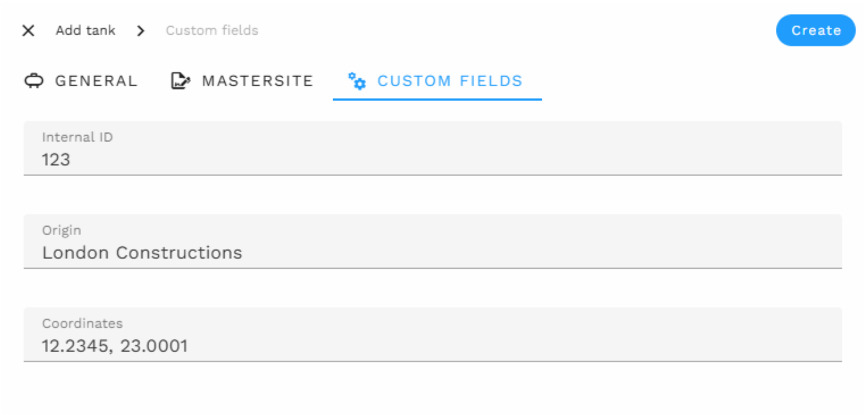
  This field is required only if the "rentable" option is enabled. This field represents a unique identification code for the tank. The code is used to identify the tank during rental operations *(see the MasterSite section for more information)*.



11.1.2.3. CUSTOM FIELDS Section

NOTE: This section is available only if the "Enable custom fields" setting is active and custom fields have been set up for the tanks (see the 14.2.1)

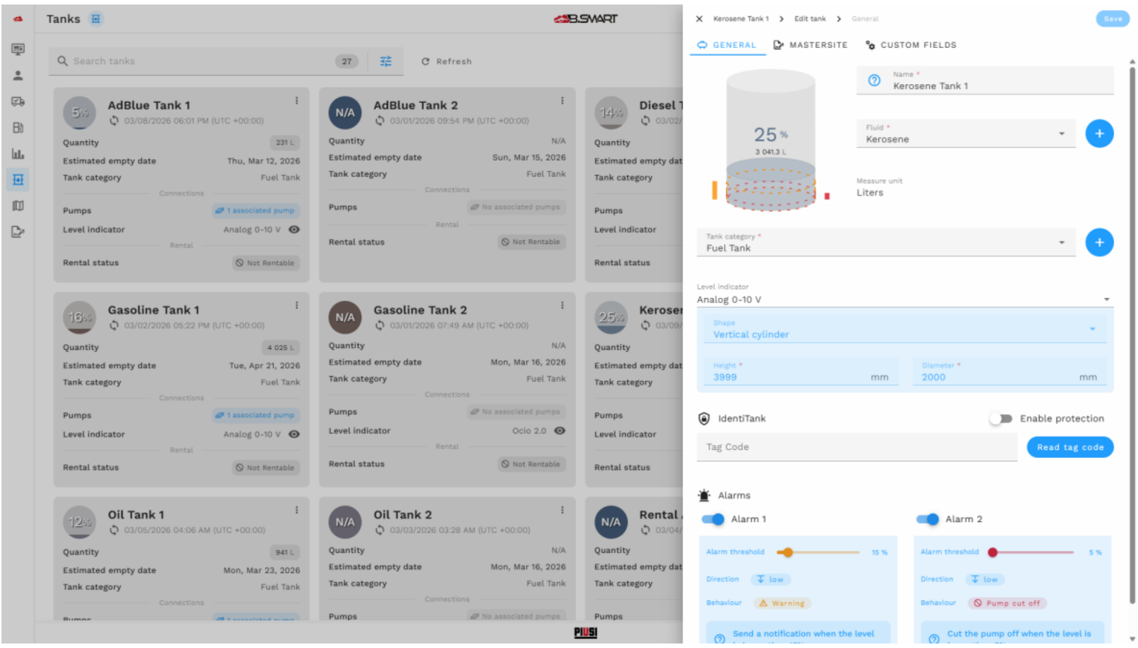
In this section, you can set the values for the custom fields for the tanks.



11.1.3. Edit

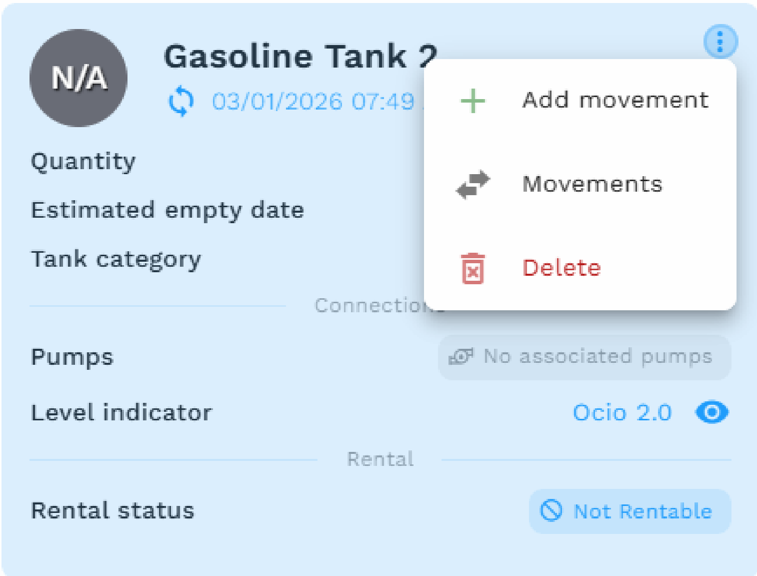
To edit a tank, click on the card. A panel will open on the right for editing the data.

The edit section contains the same forms and fields seen in the previous chapter. The only difference is in the displayed data: the fields will be pre-filled with the data from the selected tank and can be edited with the desired values.

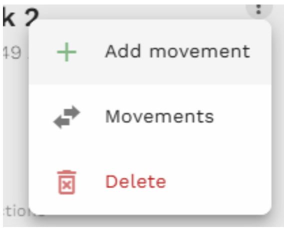


11.1.4. Management Operations

Clicking the three dots in the top right corner of a tank's card will display the actions you can perform on it.



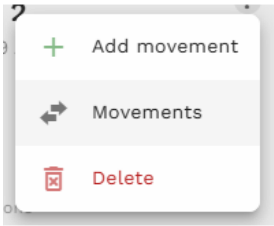
11.1.4.1. Add Movement



Clicking “Add movement” will open the panel on the right to add a new movement to the selected tank.

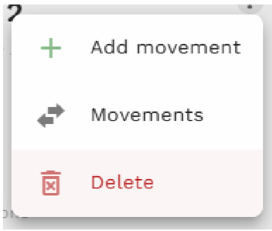
For a detailed description of the movement addition form, refer to the chapter 11.6.1.

11.1.4.2. Movements



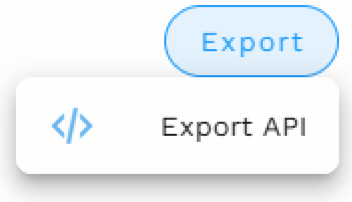
Clicking the “Movements” item will redirect you to the Movements page (*see chapter 11.6*) with a filter already preset to the current tank.

11.1.4.3. Deletion



Clicking “Delete” will delete the tank. You will be asked to confirm before deleting.

11.1.5. Export



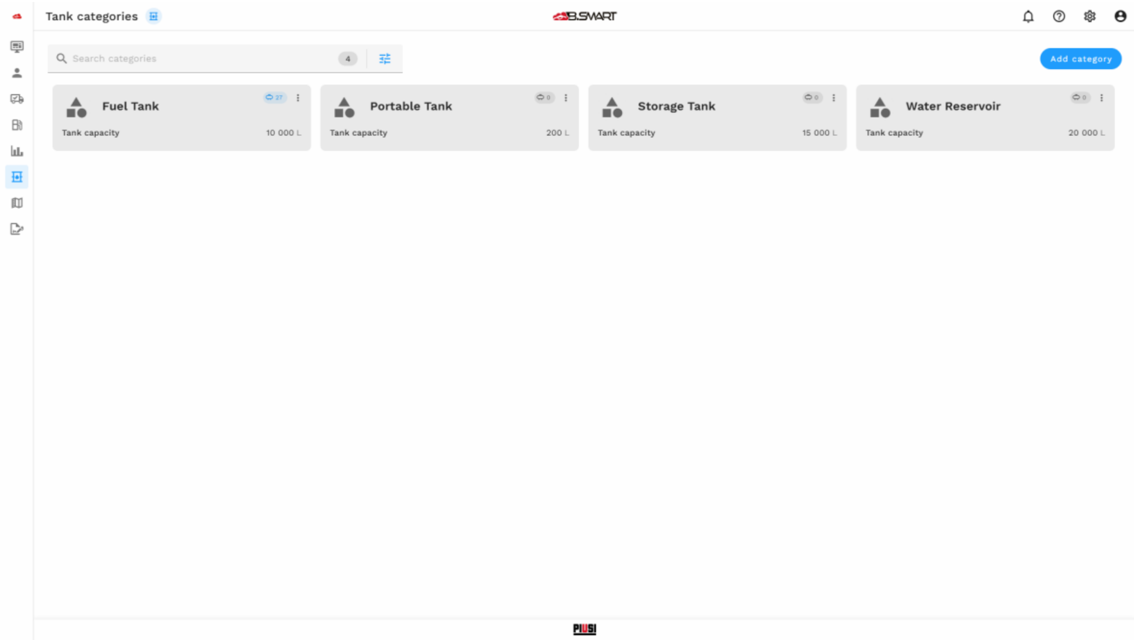
Tanks can only be exported in one format: API.

Clicking the “API Export” option will redirect you to the export API documentation for tanks.

> **Note**
>
> *The “Export via API” option is available only after enabling the “Enable Export API” setting. See chapter 14.2.2.*

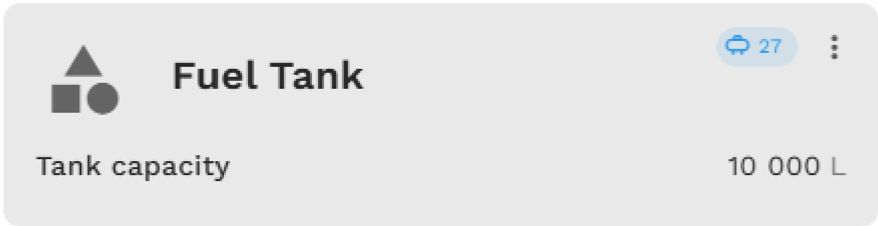
11.2. Tank Categories

From this section, you can manage the master data for tank categories.



11.2.1. Information

The main master data for a tank category can be viewed directly from the card in the list.



A badge in the top right corner 

shows the number of tanks currently associated with this category.

To view further details, simply tap the card: a panel with detailed information will open, where you can view and edit the data.

11.2.2. Add

To add a tank category, click the button in the top right corner 

.

A dropdown menu will open on the right with all the fields to fill out to create a new tank category. The fields are grouped and divided into tabs (or sections) by topic.

11.2.2.1. GENERAL Information Section

In this section, you can edit the general information for a tank category. Each category is represented by:

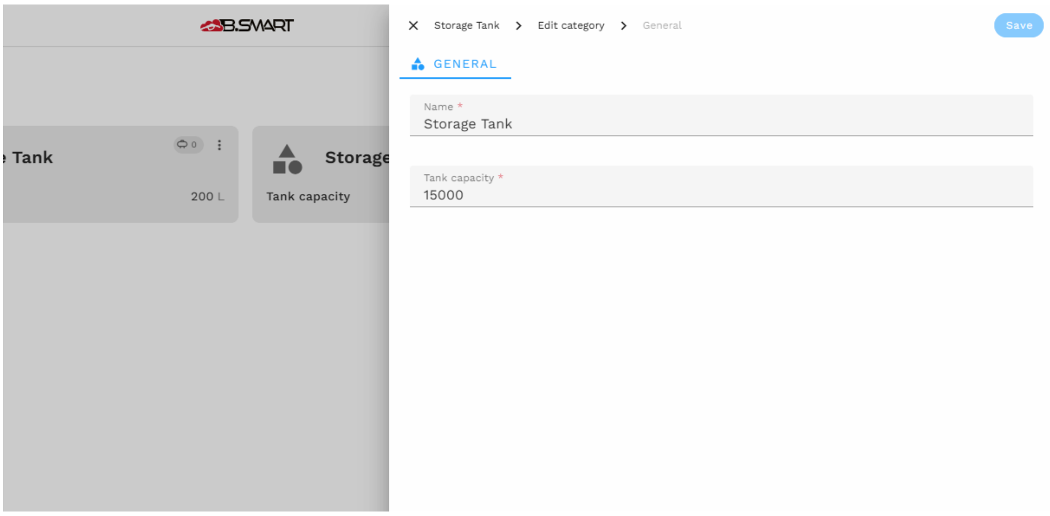
- **Name** (Required)
  Unique category identifier
- **Capacity** (Required)
  General capacity value of the tank category. This is purely a reference value that has no effect on the tanks that will be assigned to this category.

There is no limit on the number of tank categories you can add.

11.2.3. Edit

To edit a tank category, click on the card. A panel will open on the right for editing the data.

The edit section contains the same forms and fields seen in the previous chapter. The only difference is in the displayed data: the fields will be pre-filled with the selected supplier's data and can be edited with the desired values.



11.2.4. Management Operations

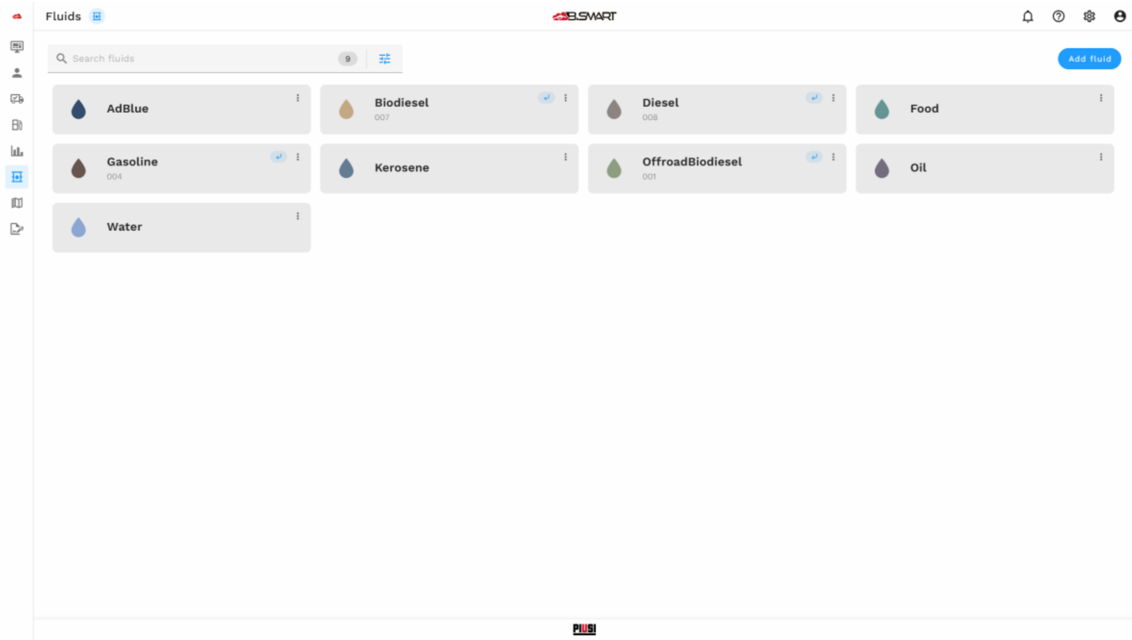
Clicking the three dots in the top right corner of a tank category card will display the actions available for that category.

11.2.4.1. Deletion

Clicking "Delete" will delete the tank category. You will be asked to confirm before deleting.

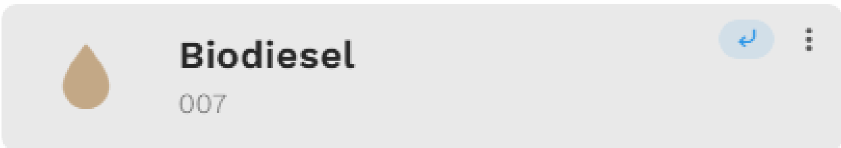
11.3. Fluids

From this section, you can manage the fluids dispensed by the devices.



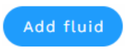
11.3.1. Information

The main details of a fluid can be viewed directly from the card in the list.



To view further details, simply tap the card: a panel with detailed information will open, where you can view and edit the data.

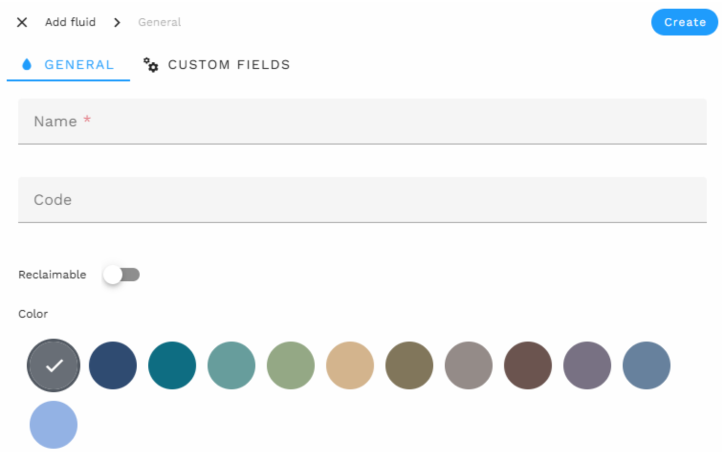
11.3.2. Add

To add a fluid, press the button in the top right corner 
.

A dropdown menu will open on the right with all the fields to fill out to create a new fluid. The fields are grouped and divided into tabs (or sections) by topic.

11.3.2.1. GENERAL Information Section

In this section, you can edit the general information for fluids. Each fluid is represented by:



- **Name** e (Required)

  Unique fluid identifier (maximum 16 characters)

- **Code**

  Code identifying the percentage of biodiesel in the product. This field is not required and is used exclusively during data export to generate a file that meets the criteria of the Spanish tax agency for obtaining a refund on eligible fuels.

- **Refundable Product**

  Indicates whether the product is of the DIESEL A type (code ‘000’, 0% biodiesel), i.e., eligible for a refund from the tax agency. This field is not mandatory and is used exclusively during data export to generate a file that meets the Spanish tax agency’s criteria for obtaining a refund on eligible fuels.

- **Color**

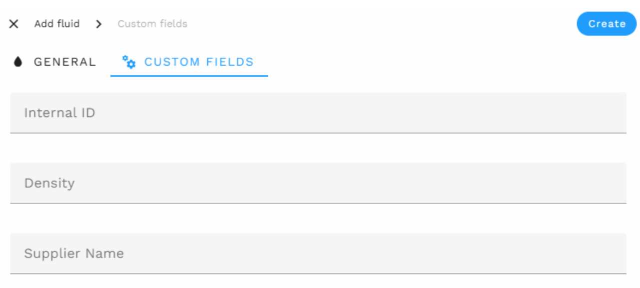
  Fluid identification color

There is no limit on the number of fluids that can be added.

11.3.2.2. CUSTOM FIELDS Section

NOTE: This section is available only if the “Enable custom fields” setting is active and custom fields have been set up for fluids (see section 14.2.1).

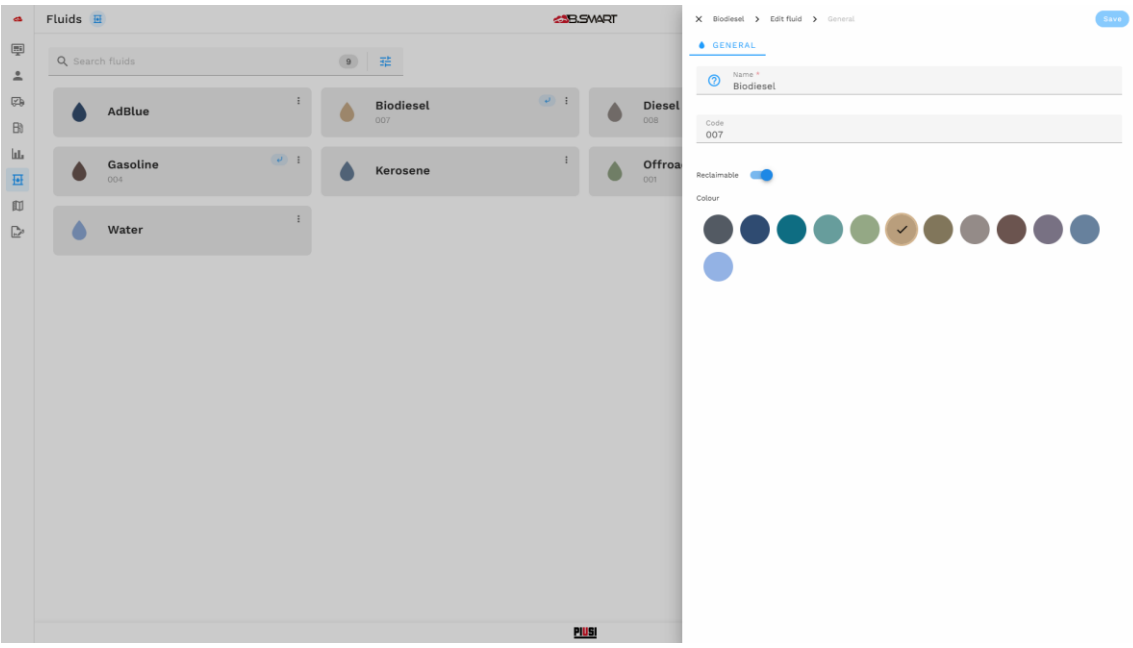
In this section, you can set the values for the custom fields for fluids.



11.3.3. Edit

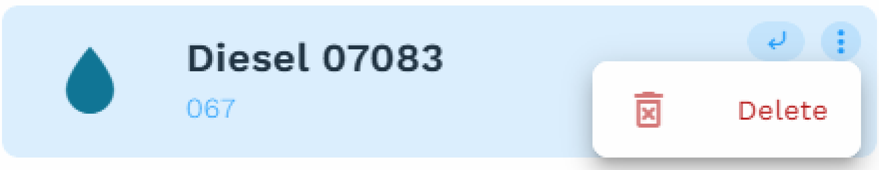
To edit a fluid, click on the card. A panel will open on the right for editing the data.

The edit section contains the same forms and fields seen in the previous chapter. The only difference is in the displayed data: the fields will be pre-filled with the data of the selected fluid and can be edited with the desired values.



11.3.4. Management Operations

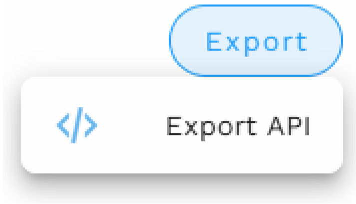
Clicking the three dots in the top right corner of a fluid's card will display the actions available for that fluid.



11.3.4.1. Deletion

Clicking "Delete" will delete the fluid. You will be asked to confirm before deleting.

11.3.5. Export



Fluids can be exported in only one way: via API.

Clicking the "API Export" option will redirect you to the export API documentation for fluids.

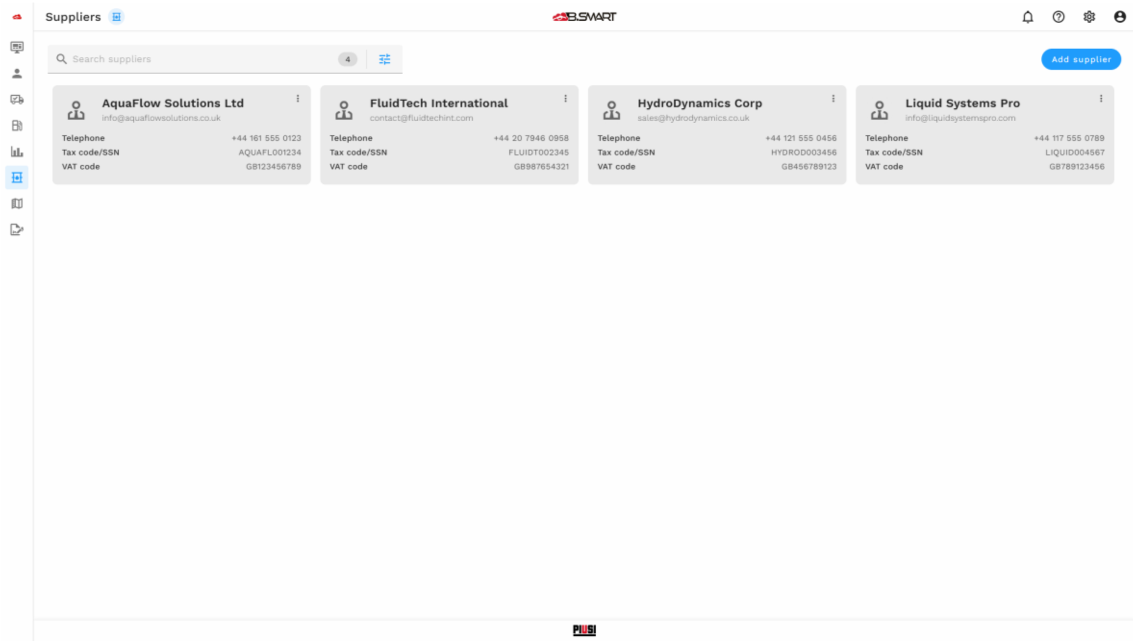
Note

The "Export via API" option is available only after enabling the "Enable Export API" setting. See chapter 14.2.2.

11.4. Suppliers

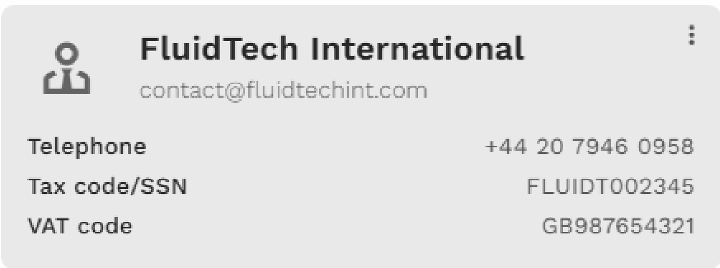
From this section, you can manage the suppliers from whom the various fluids for the system are purchased.

Supplier management is optional and can be disabled in the *Tank Watchdog* (*see chapter 14.4.2*).



11.4.1. Information

A supplier's main details can be viewed directly from their card in the list.



To view further details, simply tap the card: a panel with detailed information will open, where you can view and edit the data.

11.4.2. Add

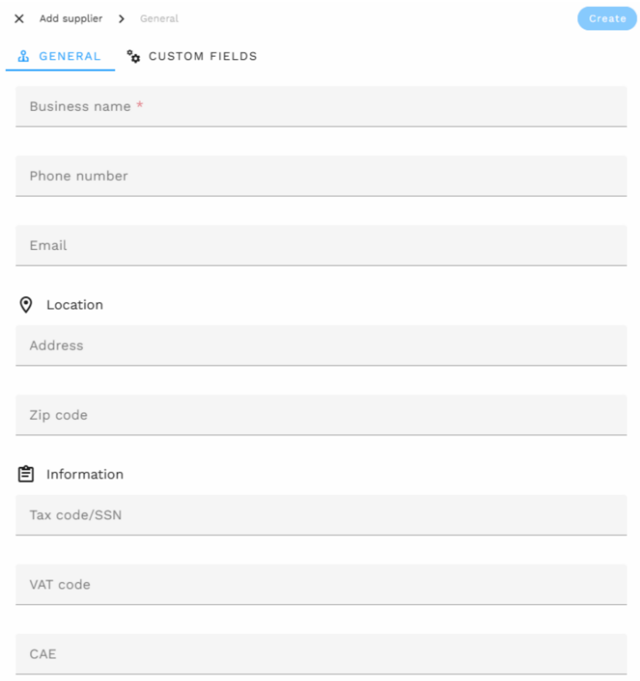
To add a supplier, click the button in the upper right corner Add supplier.

A panel will open on the right with all the fields to fill out to create a new supplier. The fields are grouped and divided into tabs (or sections) by topic.

11.4.2.1. GENERAL Information Section

In this section, you can edit a supplier's general information. Each supplier is represented by:

- **Company Name** (Required)
  Unique supplier ID
- **Phone**
  Supplier phone number
- **Email**
  Supplier email
- **Address, ZIP Code**
  Supplier Location
- **Tax ID, VAT number**: Supplier's personal information

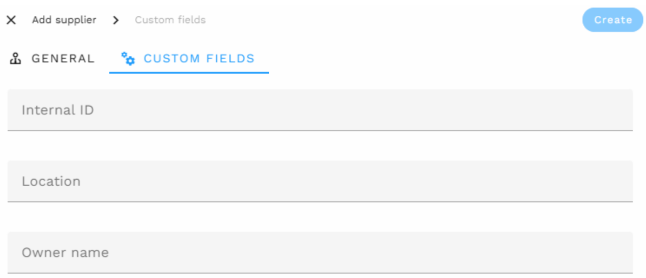


There is no limit on the number of suppliers you can add.

11.4.2.2. CUSTOM FIELDS Section

NOTE: This section is available only if the "Enable custom fields" setting is active and custom fields have been set up for suppliers (see section 14.2.1).

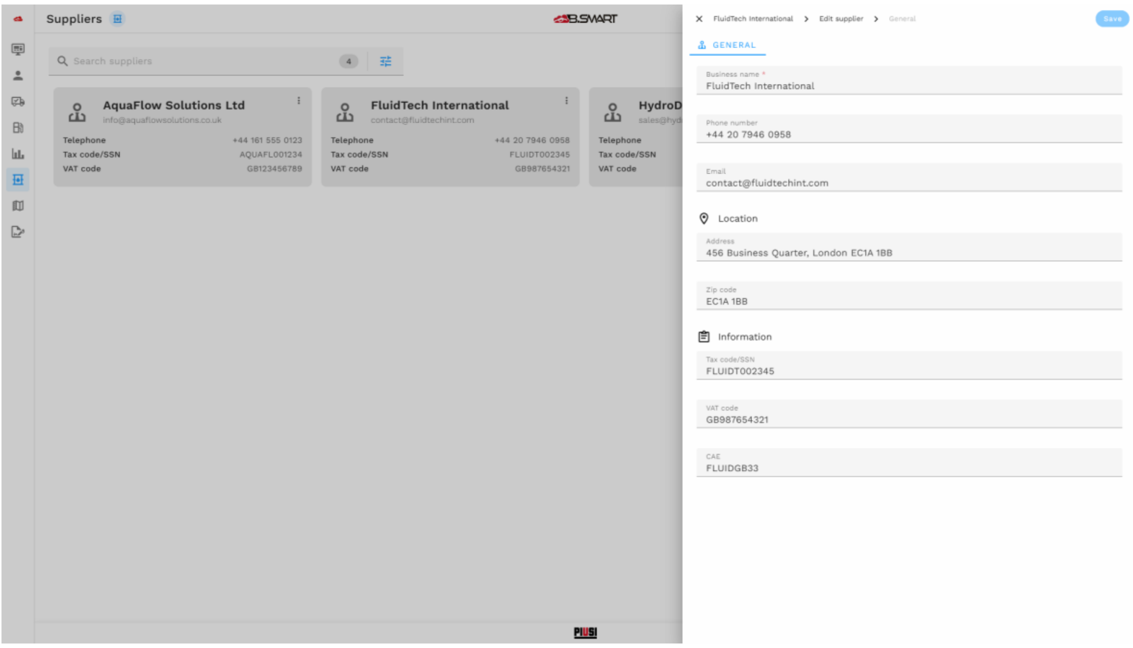
In this section, you can set the values for the custom fields for suppliers.



11.4.3. Edit

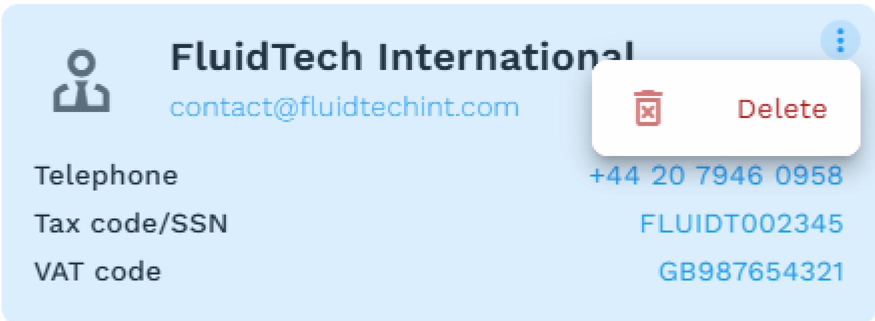
To edit a supplier, tap on the card. A panel will open on the right for editing the data.

The edit section contains the same forms and fields seen in the previous chapter. The only difference is in the displayed data: the fields will be pre-filled with the selected supplier's data and can be edited with the desired values.



11.4.4. Management Operations

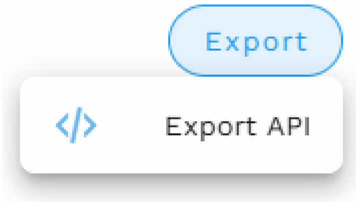
Clicking the three dots in the top right corner of a supplier's card will display the actions available for that supplier.



11.4.4.1. Deletion

Clicking “Delete” will delete the supplier. You will be asked to confirm before deleting.

11.4.5. Export



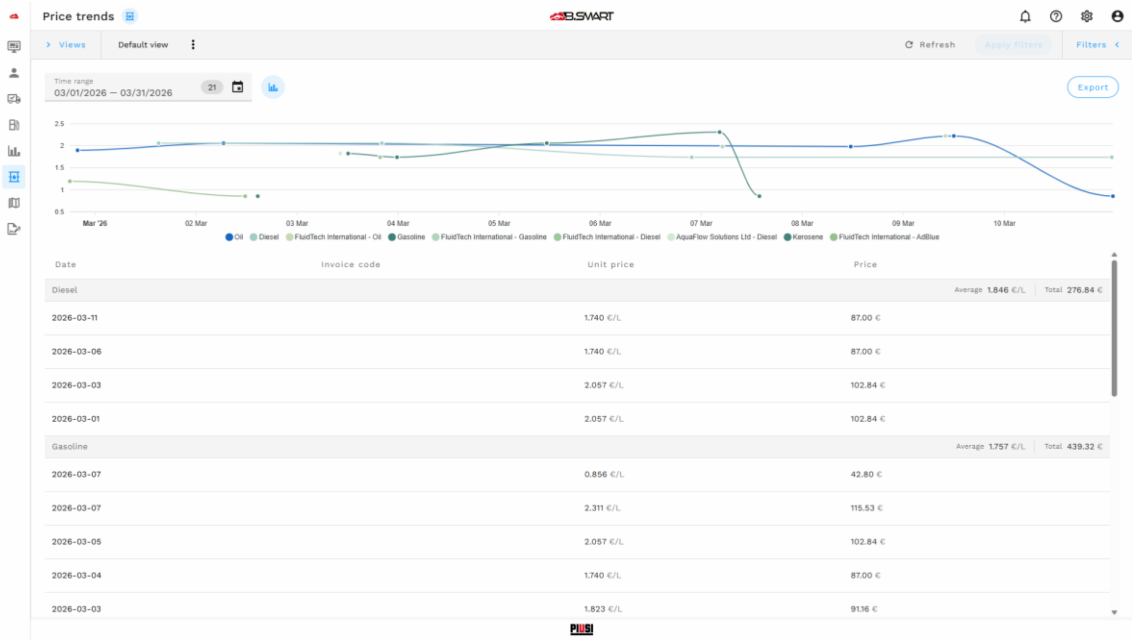
You can export suppliers in only one way: via API.

Clicking the “API Export” option will redirect you to the export API documentation for suppliers.

11.5. Price trends

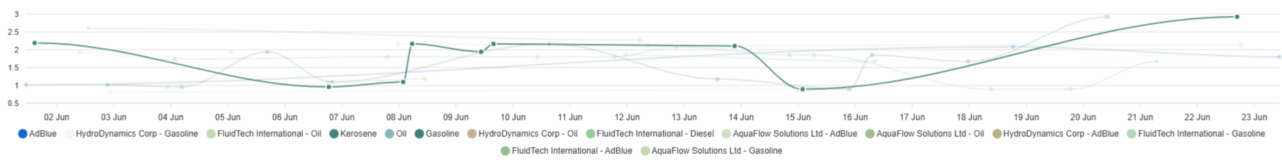
From this section, you can view the trend of unit purchase prices for various fluids.

Unit prices are calculated when new shipment transactions are created and a monetary value is specified.



Click the button  button to show or hide the graph.

To view a single price trend, simply hover your mouse over one of the legend items. This will highlight the selected trend.



11.5.1. Edit

To modify the values of the various prices, navigate to the movements section and edit the loads that generated the unit prices.

11.5.2. Views and filters

On the unit price page, you can apply filters to the data and save them as custom views. *For a detailed description of how views work, refer to the chapter 10.1.*

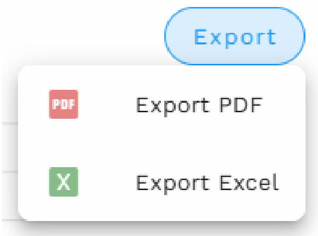
You can set the time period for the search using the field in the top-left corner

.

Other filters available on this page include:

- Suppliers
- Fluids

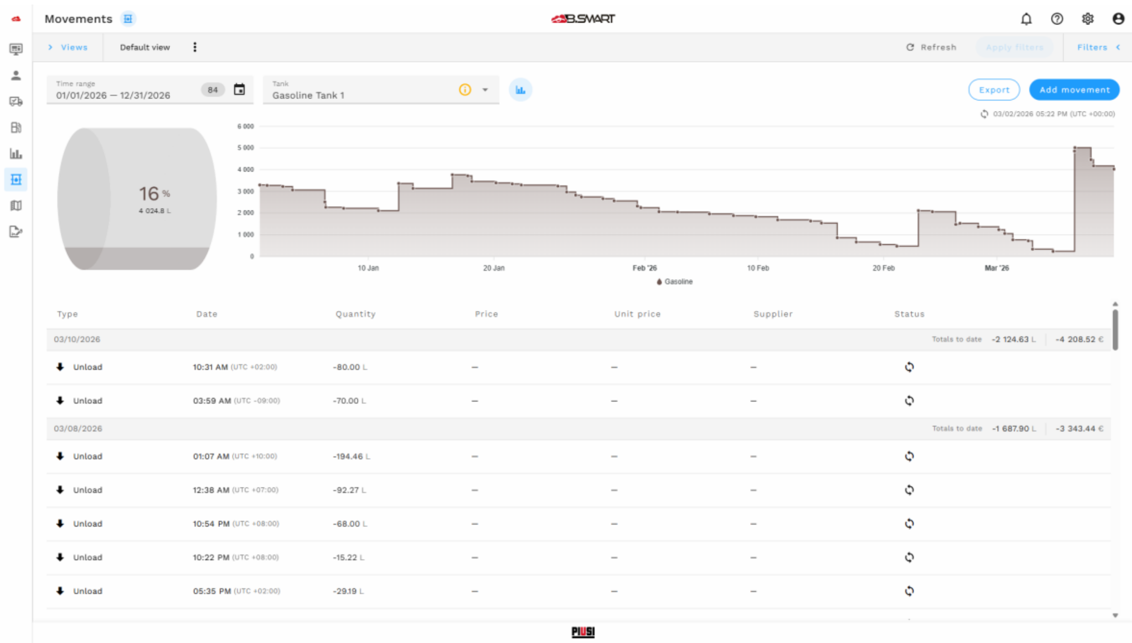
11.5.3. Export



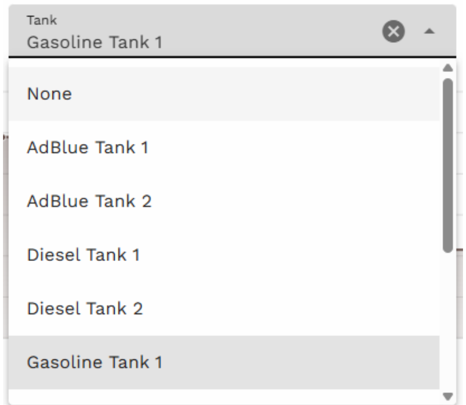
To export price trends to a PDF or Excel file, click the export button and select one of the two options.

11.6. Movements

From this section, you can view transactions made on the tank, create new ones, and view the current quantity trend.



Select the tank for which you want to view transactions using the appropriate field (shown on the right).



Click the at the top to show or hide the graph.

11.6.1. Information

Each row of transactions contains information on: type, date, quantity, price, unit price, supplier, and status.

Transactions can be of various types:

- **Load**

  Positive fluid transfer.
  If the tank is virtual, loads must be entered manually when liquid is added to the tank. If the tank is monitored by a level sensor, it is not necessary to perform loading operations, but it is still recommended to do so if you wish to track the financial trends related to fluids (*see chapter 11.5*)

- **Discharge**

  Negative fluid movement.
  Drains are created automatically whenever a pump connected to the tank dispenses fluid.
  However, it is possible to perform discharges manually.

- **Adjustment**

  Correction of the quantity present in the tank at a given moment

- **Calibration**

  Transactions created as a result of calibrations performed by a dispenser connected to the tank.
  You can ignore the calibration value (if the liquid used to calibrate the pump was returned to the tank after the operation) or you can choose to record the calibration as if it were a discharge transaction (if the liquid used to calibrate the pump was not returned to the tank after the operation).

A transaction can have one of the following synchronization statuses between the cloud and the device:

- **Pending**
  The transaction has not been applied and is waiting for someone to connect to the device to synchronize the data.
- **Synchronized**
  The transaction has been applied to the tank; all data has been synchronized correctly.
- **Synchronization error**
  The movement cannot be applied; the loaded quantity exceeds the tank's maximum capacity.

If a transaction is in this state, all subsequent transactions will not be synchronized. To resolve the issue, you must connect to the device as a manager and perform a tank level calibration.

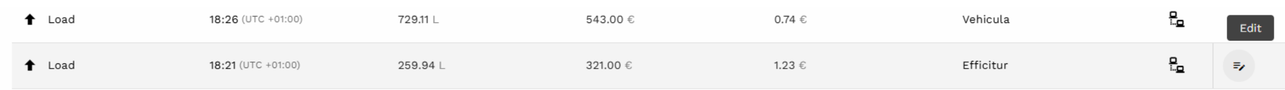
The cost displayed for each time period is calculated as the product of the quantity present in the tank at that time and the last known unit price, as shown in the following table

Date	Transaction Quantity	Cost	Unit price	Tank value
05/04/2025	+1000	1600	1.6€/L	4000€
04/04/2025	-300	-	-	2250€
03/04/2025	+1000	1500€	1.5€/L	2700€
02/04/2025	-200	-	-	1200€
01/04/2025	+1000L	1500€	1.5€/L	1500€

For some transactions, you can perform the following actions:

- Edit
- Deletion

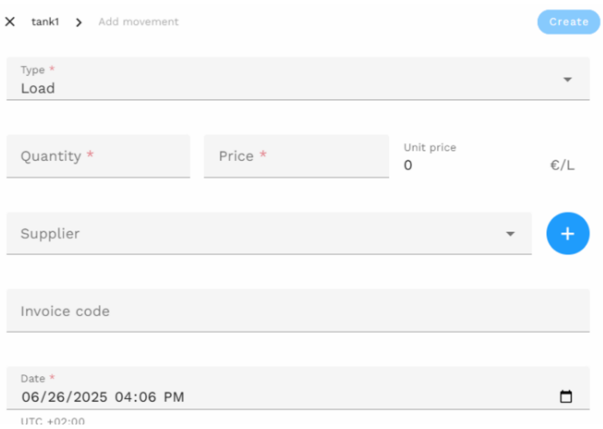
Simply hover the cursor over the row to see the available actions.



11.6.1. Add

To add a transaction, click the " Add movement " button.

From this screen, you can define the following properties:



- **Transaction Type** (Required)
  Loading or unloading
- **Supplier** (in the case of a loading movement)
  NOTE: This field is visible only if supplier management has been enabled in the Tank Watchdog settings (see chapter 14.4.2).
  You can select a previously created supplier, or create a new one directly by clicking the +
- **Quantity** (Required)
  Quantity loaded or unloaded.

- **Price** (In the case of a loading transaction)

  NOTE: This field is visible only if price management has been enabled in the Tank Watchdog settings (see chapter 14.4.2).

  Purchase price relative to the quantity entered.

- **Invoice**

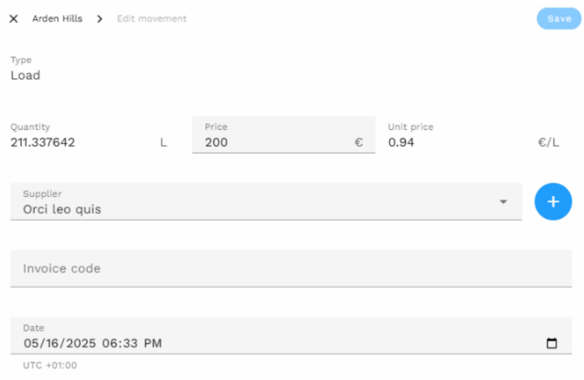
  Master data field where you can enter the invoice related to the load, or any notes.

- **Date and Time**

  Date and time when the fluid transfer was performed.
  If the date of a transaction performed on a virtual tank is modified, the following rules apply:
    - If a transfer precedes a level adjustment transfer, the date entered must be earlier than that of the adjustment;
    - If a transfer occurs after a level adjustment transfer, the date entered must be later than that of the adjustment;
    - If there is no level adjustment transaction, a future date cannot be entered.

11.6.2. Edit

When editing a transaction, the same form as the one used for adding a transaction will appear, with the relevant fields already pre-filled.



You can make changes and save the transaction.

<u>Note:</u> The quantity can only be modified if:

- The transaction you wish to modify was entered into a virtual tank and precedes a level adjustment transaction;
- The transaction has been entered into a tank monitored by a level sensor;

11.6.3. Deletion

Deleting a previously entered transaction is only possible if:

- there is a level correction transaction with a date later than that of the transaction you wish to delete, and the transaction was entered by the user;

- the transaction was entered by the user and the tank is monitored by a level sensor.

11.6.4. Views and filters

On the transaction page, you can set filters on the data and save them as custom views. *For a detailed description of how views work, refer to the chapter 10.1.*

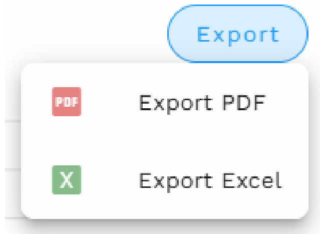
You can set the time period for the search using the field in the top-left corner.

Other filters available on this page include:

- Suppliers
- Movement type

11.6.5. Export

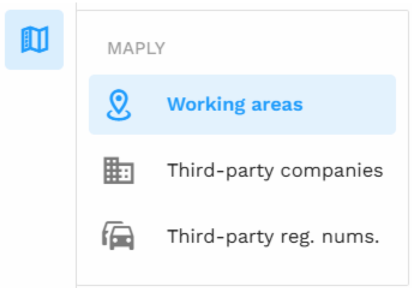
To export transactions to a PDF or Excel file, click the export button and select one of the two options.



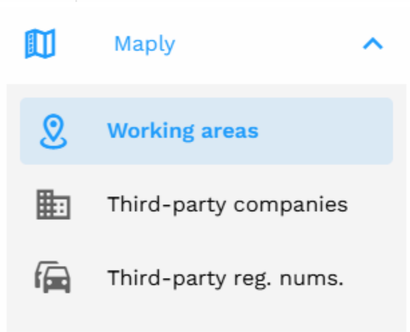
12. MAPLY

NOTE: This section is available only after activating the dedicated "Maply" add-on.

In the MAPLY section, accessible by clicking the menu icon shown below, you can manage operational areas, third-party companies, and third-party registration numbers.



Maply icon (compact menu), with submenu icons.

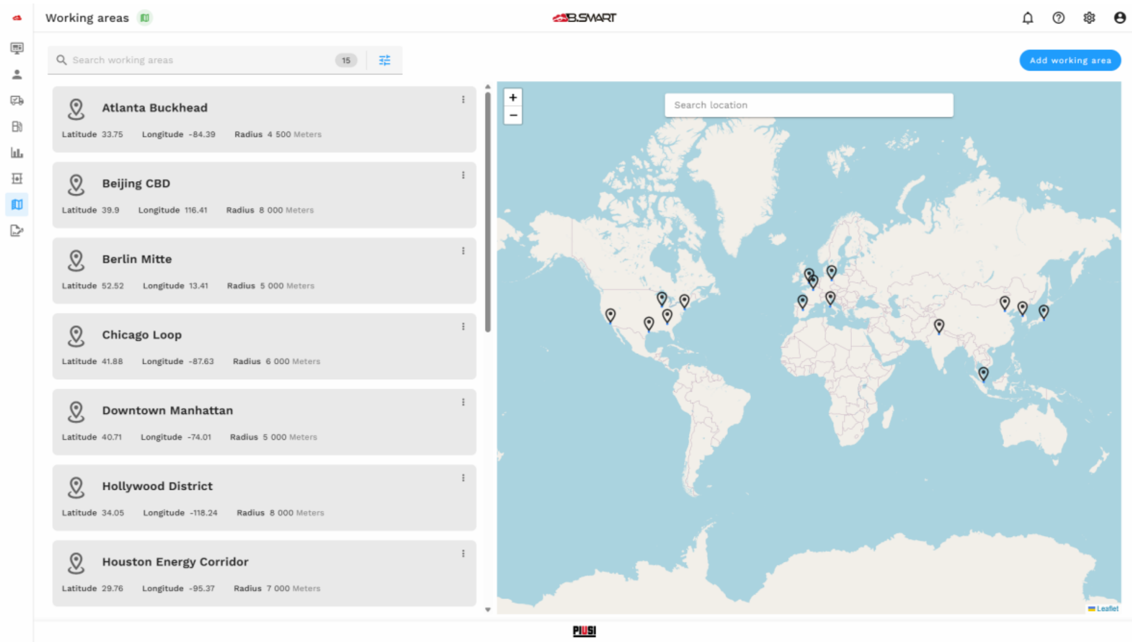


Maply icon (expanded menu), with submenu items.

12.1. Operational Areas

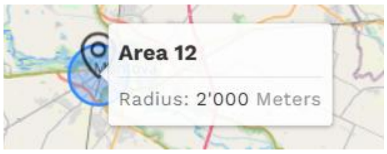
Operational areas are represented by a circle and are used to:

- Define a zone within which dispensing is permitted;
- Grouping deliveries made within the same geographic area.



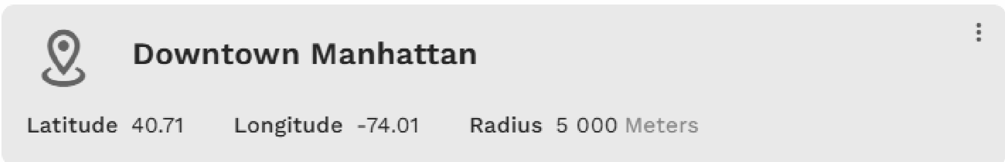
When you hover the cursor over the service areas shown in the list, the service area where the mouse pointer is located will be highlighted on the map.

Hovering the cursor over the service areas shown on the map will open a pop-up with more information about the service area: name and radius.



12.1.1. Information

The main details of an operational area can be viewed directly from the card in the list.



To view further details, simply tap the card: a panel with detailed information will open, where you can view and edit the data.

12.1.2. Add

To add an operational area, click the button in the top right corner Add working area.

A panel will open on the right with all the fields to fill out to create a new service area. The fields are grouped and divided into tabs (or sections) by topic.

12.1.2.1. GENERAL Information Section

In this section, you can edit the general information for an operational area:

- **Name** (required)
  Name that uniquely identifies the operational area.
- **Description** (optional)
- **Radius** (required)
  Radius of the circle describing the area. The unit of measurement is in meters, and its value ranges from a minimum of 150 meters to a maximum of 500 km (500,000 m).
- **Latitude** and **Longitude** (required)
  Coordinates of the center of the area.

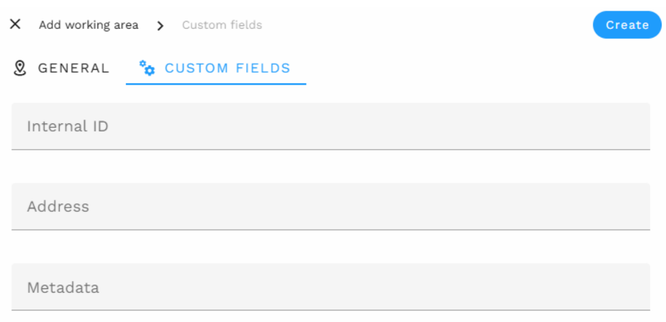
Warning!

- If the operational area is reduced to less than 2000 m, some dispensations may not be included in the drawn area (accuracy depends on GPS readings).
- It is not possible to overlap two or more operational areas.

12.1.2.2. CUSTOM FIELDS Section

NOTE: This section is available only if the "Enable custom fields" setting is active and custom fields have been set up for the operational areas (see section 14.2.1)

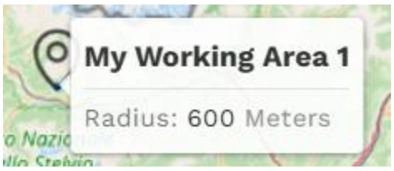
In this section, you can set the values of the custom fields for the external stations.



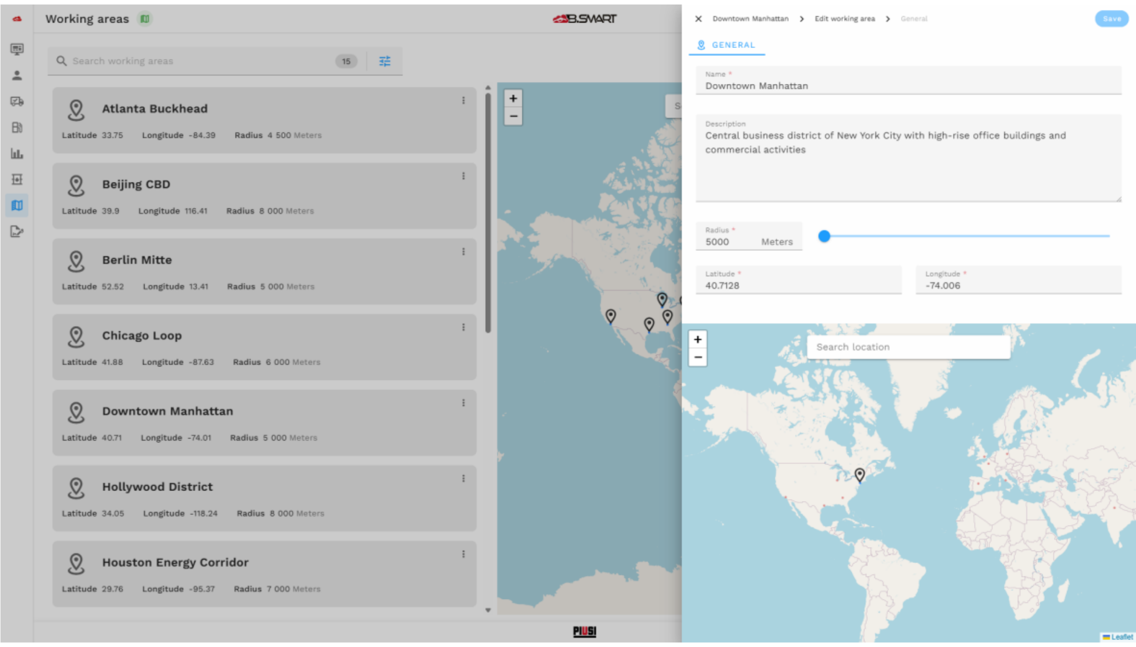
12.1.3. Edit

To edit an operational area, tap the card. A panel will open on the right for editing the data.

You can also open the edit section for an operational area by tapping the desired marker on the map.



The edit section contains the same forms and fields seen in the previous chapter. The only difference is in the displayed data: the fields will be pre-filled with the data from the selected operational area and can be edited with the desired values.



12.1.4. Management Operations

Clicking the three dots in the top right corner of an operational area's card will display the actions available for that area.

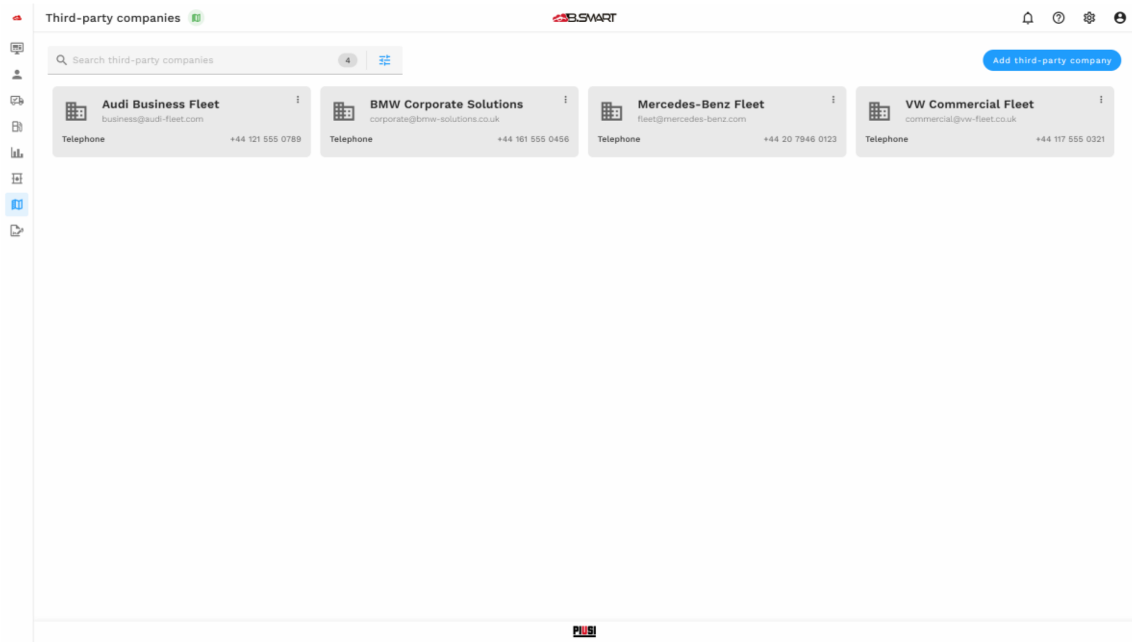
12.1.4.1. Deletion

Clicking "Delete" will delete the operational area. You will be asked to confirm before deleting.

12.2. Third-Party Companies

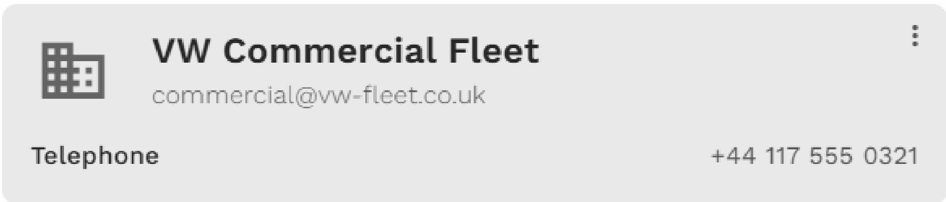
NOTE: This section is available only after activating the dedicated "Maply" add-on and if the "Enable third-party refills" option is enabled in the Maply add-on configuration.

In this section, you can manage the master data for third-party companies.



12.2.1. Information

The main master data for a third-party company can be viewed directly from the card in the list.



To view further details, simply tap the card: a panel with detailed information will open, where you can view and edit the data.

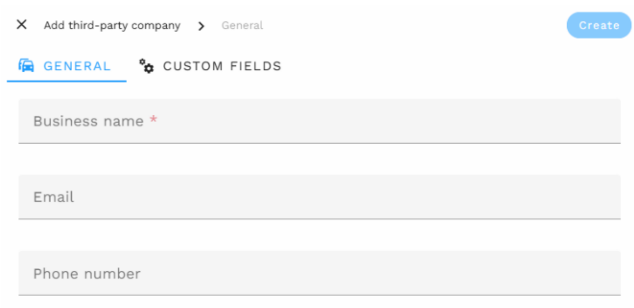
12.2.2. Add

To add a third-party company, click the button in the top right corner Add third-party company.

A panel will open on the right with all the fields to fill out to create a new third-party company. The fields are grouped and divided into tabs (or sections) based on the topic.

12.2.2.1. GENERAL Information Section

In this section, you can set the general information for a third-party company:



- **Company Name** (required)

  Name that uniquely identifies the company
- **Email** (optional)
  The email address of the third-party company. If specified, this will be the email address to which the driver can send details of the delivery just completed to a third-party company's registration number.

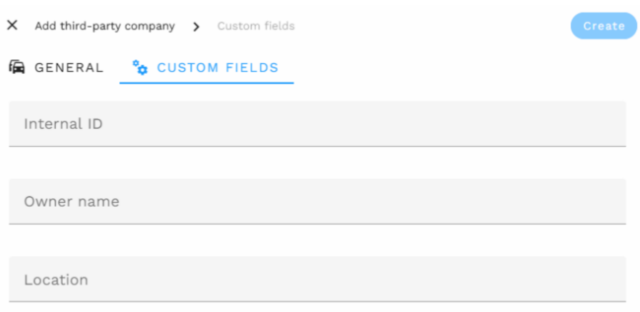
  NOTE: This email sending feature is available only if the "Enable emails to third-party companies" option is enabled in the "Settings/Add-ons/Maply" section.

- **Phone number** (optional)

12.2.2.2. CUSTOM FIELDS Section

NOTE: This section is available only if the "Enable custom fields" setting is active and custom fields have been set up for third-party companies (see section 14.2.1).

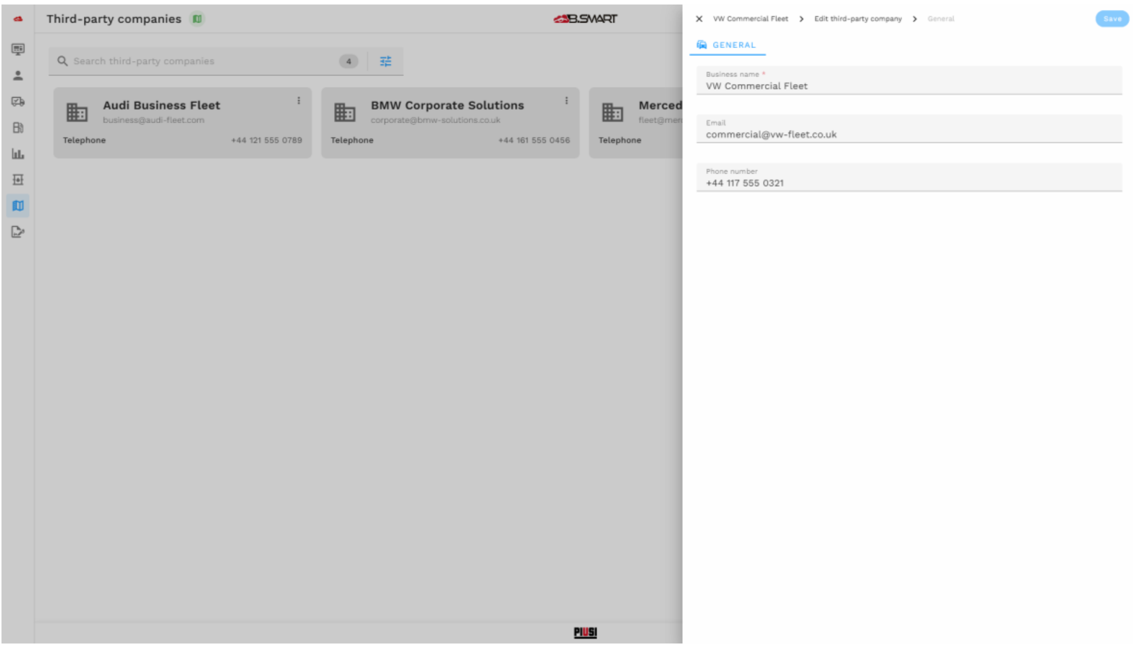
In this section, you can set the values for the custom fields for third-party companies.



12.2.3. Edit

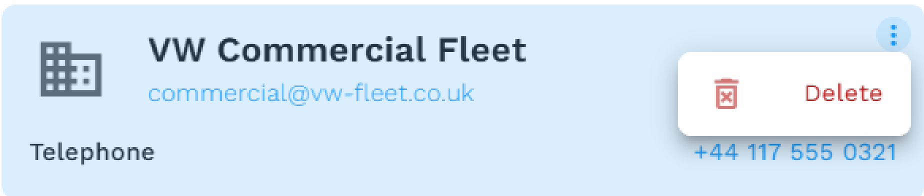
To edit a third-party company, tap the card. A panel will open on the right for editing the data.

The edit section contains the same forms and fields seen in the previous chapter. The only difference is in the displayed data: the fields will be pre-filled with the data of the selected third-party company and can be edited with the desired values.



12.2.4. Management Operations

Clicking the three dots in the top right corner of a third-party company's card will display the actions you can perform on it.

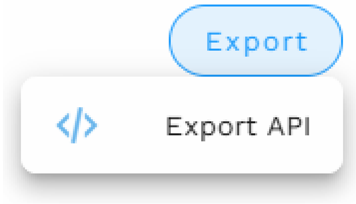


12.2.4.1. Deletion

Clicking "Delete" will delete the third-party company. You will be asked to confirm before deleting.

12.2.5. Export

Third-party companies can be exported in only one way: via API.



Clicking the "API Export" option will redirect you to the export API documentation for third-party companies.

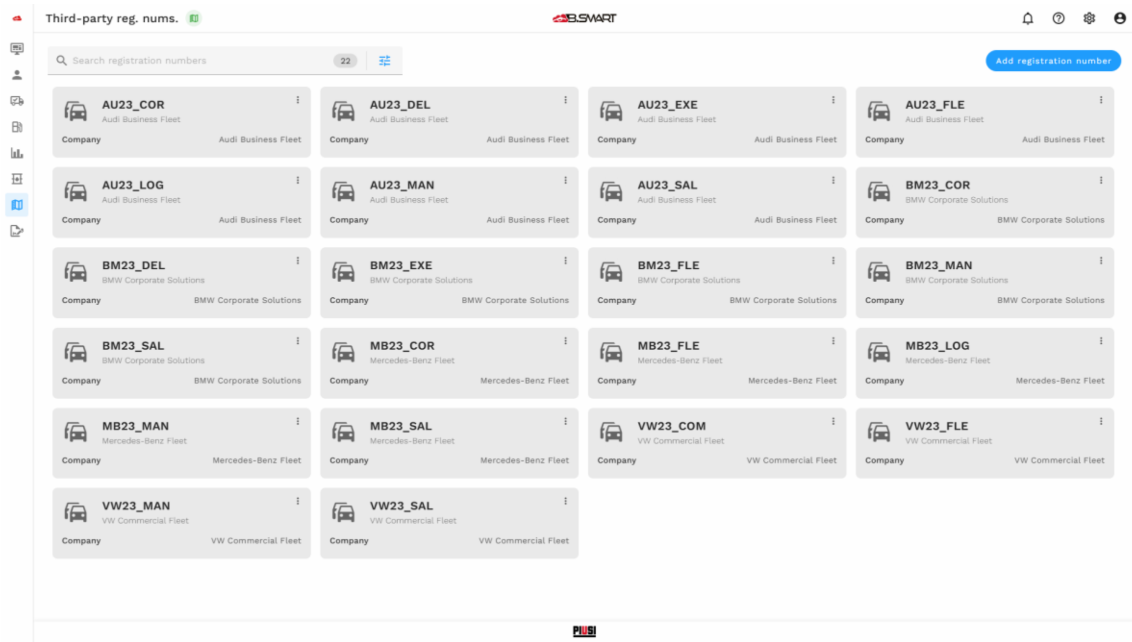
Note

The "Export via API" option is available only after enabling the "Enable Export API" setting. See chapter 14.2.2.

12.3. Third-Party Registration Numbers

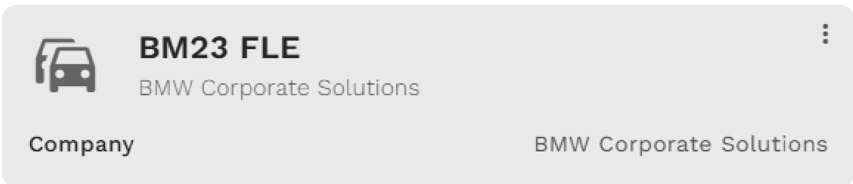
NOTE: This section is available only after activating the dedicated "Maply" add-on and if the "Enable third-party refills" option is enabled in the Maply add-on configuration.

In this section, you can manage the master data for third-party registration numbers.



12.3.1. Information

The main details of a third-party registration number can be viewed directly from the card in the list.



To view further details, simply tap the card: a panel with detailed information will open, where you can view and edit the data.

If the icon  is present in the top right corner, the third-party registration number is protected by an RFID tag.

12.3.2. Add

To add a third-party registration number, press the button in the top right corner Add registration number.

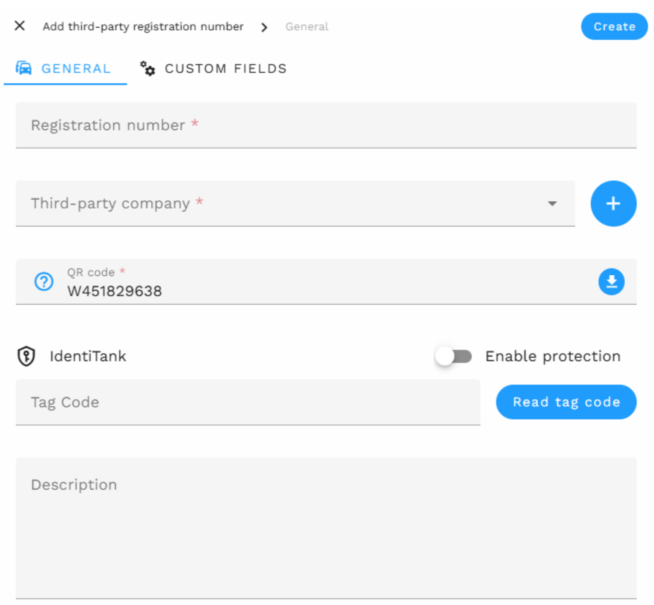
A panel will open on the right with all the fields to fill out to create a new third-party registration number. The fields are grouped and divided into tabs (or sections) by topic.

Note

Third-party registration numbers are created by entering only the license plate (or registration number) and selecting a company. You cannot enter values such as odometer reading or hours.

12.3.2.1. GENERAL Information Section

In this section, you can manage the master data for third-party registration numbers:



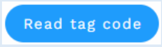
- **Registration Number** (Required)

  A unique name that identifies the registration number.
- **Third-party company** (Required)
  The third-party company to which the registration number belongs
- **QR code**

  Unique alphanumeric string identifying the registration number (by default, the field is pre-filled with a string automatically generated by the system). By pressing the button button generates a printable label with the entered string converted into a scannable QR code. The label can be scanned by a driver using the mobile app to more quickly select the registration number when creating a new refueling.
- **Description** (Optional)
  Text field to save additional information

- **TAG Code**

  Enter the numeric string of the RFID tag installed on the third-party registration number This field allows the system to recognize the third-party registration number by scanning the tag with a dedicated scanner during refueling.
  Warning: This field is required only if TAG-protected dispensing is enabled.

  The TAG code can be entered manually by reading the code on the key or automatically using the dedicated reader to be connected to the PC.
  In this case, you must install the *PIUSI IBUTTON READER*tool ( ) and, once installed, click the button (

).

  You can read the TAG and pair it directly with the smartphone app (see the TAG section of the smartphone app manual).

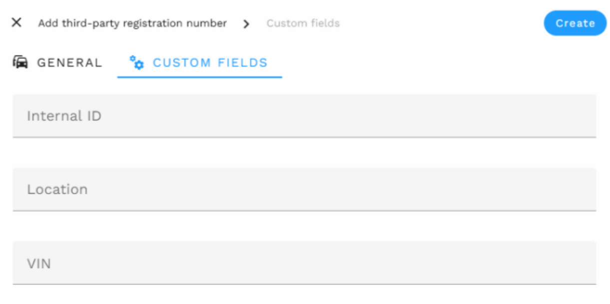
- **Enable TAG-protected refueling**

  By enabling this function, refueling for the third-party registration number in question will be possible only if the RFID tag is detected throughout the entire refueling operation.
  If the TAG associated with the third-party registration number is not read, refueling will be interrupted.

12.3.2.2. CUSTOM FIELDS Section

NOTE: This section is available only if the "Enable custom fields" setting is active and custom fields have been set up for third-party registration numbers (see section 14.2.1).

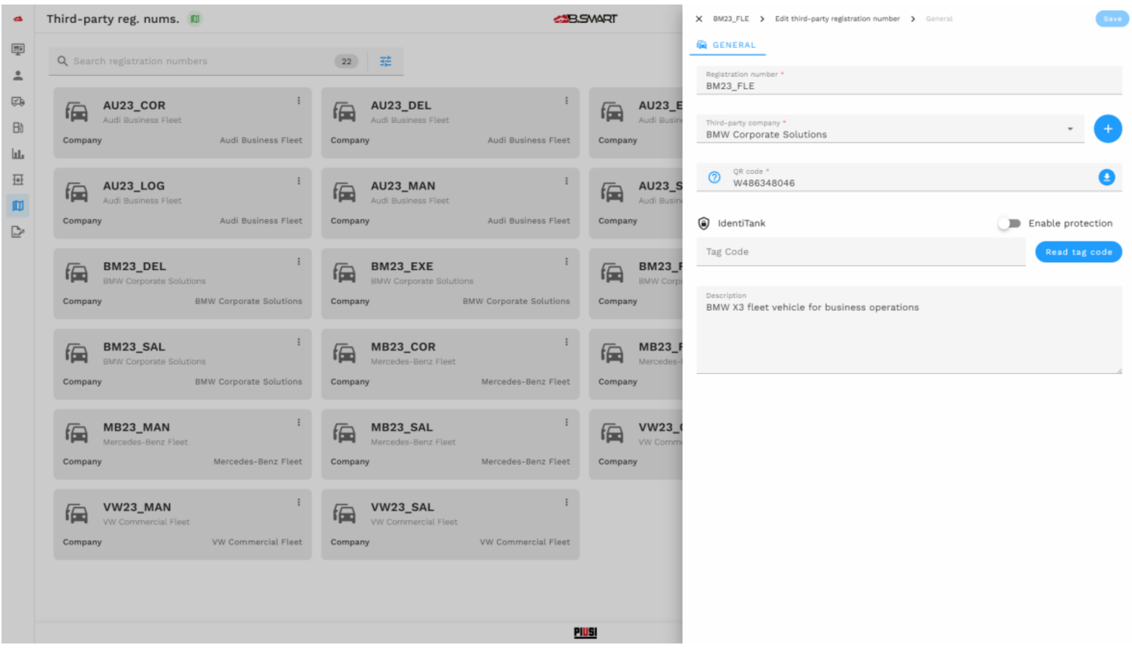
In this section, you can set the values of the custom fields for third-party registration numbers.



12.3.3. Edit

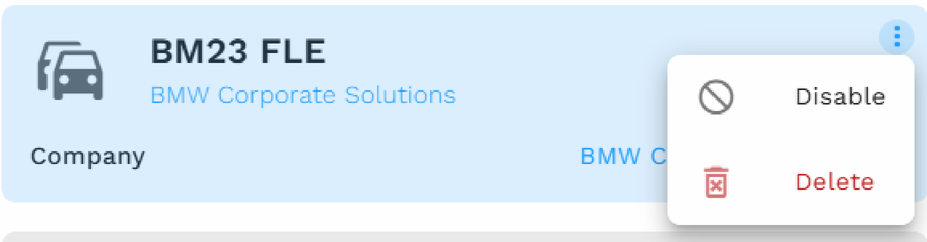
To edit a third-party registration number, tap the card. A panel will open on the right for editing the data.

The edit section contains the same forms and fields seen in the previous chapter. The only difference is in the displayed data: the fields will be pre-filled with the data from the selected third-party registration number and can be edited with the desired values.



12.3.4. Management Operations

Clicking the three dots in the top right corner of a third-party registration number card will display the actions available for that number.



12.3.4.1. Disabling

Clicking “Disable” (or “Enable”) will disable (or enable) the registration number. You will be asked to confirm before disabling (or enabling) the number.

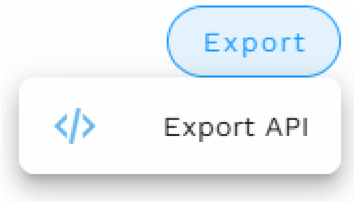
Clicking “Disable” will disable the registration number. A disabled registration number will be displayed differently, with a padlock icon and partial transparency.

To re-enable the registration number, tap the three dots in the top-right corner and select the “Enable” option. You will be asked to confirm before enabling an operator.

12.3.4.2. Deletion

Tapping “Delete” will delete the registration number. You will be asked to confirm before deleting.

12.3.5. Export



Third-party registration numbers can be exported in only one way: via API.

Clicking the “API Export” option will redirect you to the export API documentation for third-party registration numbers.

Note

The “Export via API” option is available only after enabling the “Enable Export API” setting. See chapter 14.2.2.

13. MASTERSITE

NOTE: This section is available only after activating the dedicated "MasterSite" add-on.

The MasterSite add-on adds tank rental management features to B.SMART.

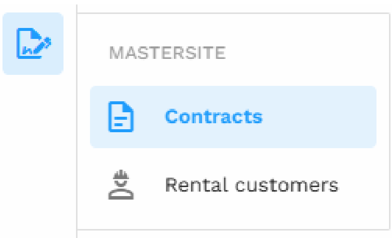
- **For tank rental companies**

  The MasterSite add-on allows the rental company to create and manage contracts, maintain records of its rental customers, and manage rentals and the movement of tanks and dispensers from its site to its customers.

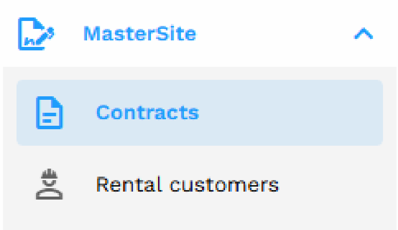
- **For rental customers**

  The MasterSite add-on allows customers to use B.SMART features not by purchasing B.SMART devices directly, but by receiving from the rental company:
  - one or more tanks connected to B.SMART devices;
  - an invitation to access a temporary site where these rented devices will remain until the contract ends.

In the MASTERSITE section, accessible by clicking the menu icon shown below, you can manage rental contracts and rental customer records.



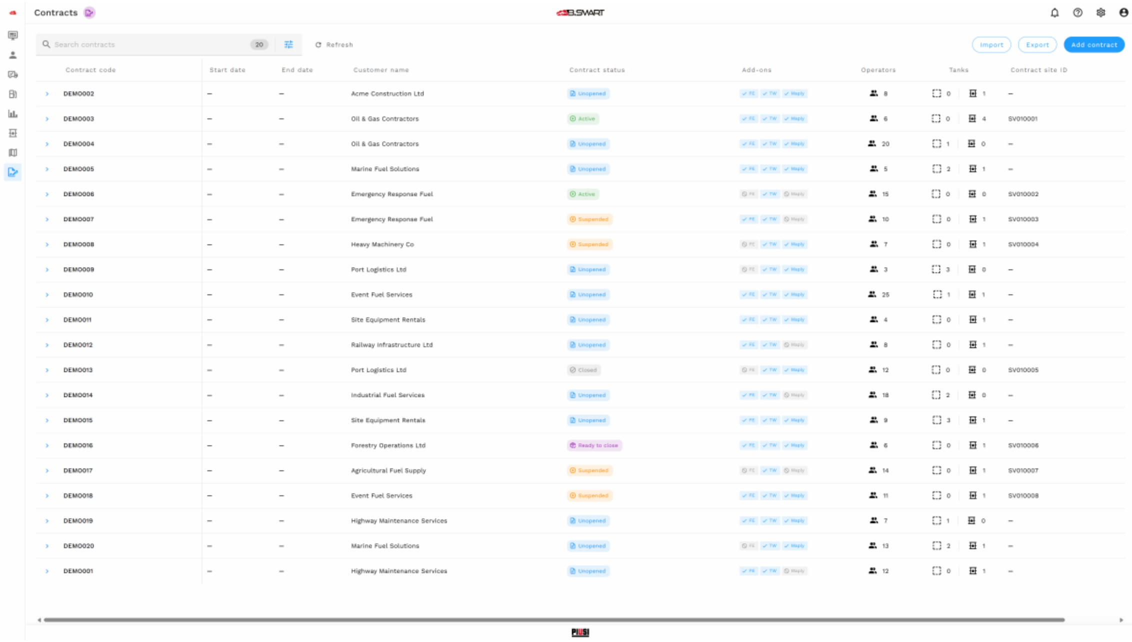
MasterSite icon (compact menu), with submenu icons.



MasterSite icon (expanded menu), with submenu items.

13.1. Contracts

From this section, you can manage rental contracts.



13.1.1. Concepts and Terminology

Below are some basic concepts and terminology used in the explanation of MasterSite features:

- **Rental Contract**

  A document entered into between the rental company and the customer, which governs and tracks the rental of units between the main site and the contract site.

- **Unit**

  “Unit” refers to the combination of a tank and a control unit (dispenser).
  One of the requirements for a tank to be associated with a contract and thus actually available for rental is that it must be linked to a B.SMART dispenser.
  MasterSite, in fact, requires that each tank of the rental company be physically paired with a B.SMART control unit, and that this combination be shipped as a single “unit” to the customer. This association between the tank and the dispenser must also be recorded on your B.SMART site.

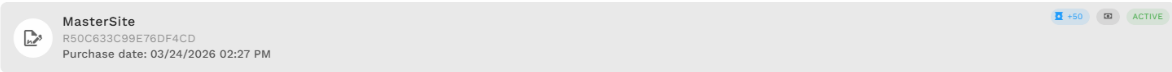
- **Contract Site**

  The contract site is a full-fledged B.SMART site with a temporary duration: this site is created when a contract is opened and is closed when the contract ends. Once closed, the site's data remains for a period of time, after which it will be permanently deleted.

13.1.2. Rental Requirements

To rent a unit (tank + dispenser), several requirements must be met:

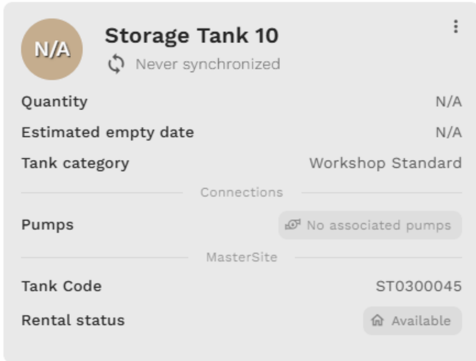
- The MasterSite add-on must be active on the system.



- At least one tank must have been created with:
  - a category associated with it;
  - the "Rentable" option enabled;
  - the tank code set

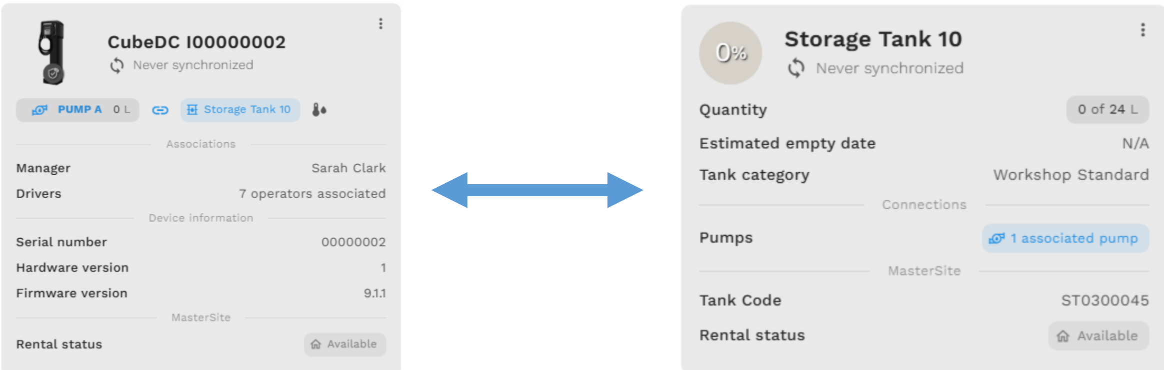
  The last two fields are located in the MasterSite tab of the tank creation/edit form, see chapter 11.1.2.2).

  These operations will set the tank to the "Available" status.



- The tank must be associated with a device (the field for making the association is located in the "Pumps" tab of the device creation/edit form, *see chapter 9.2.29.2.2.1*).

  This operation will also set the device to the "Available" status.



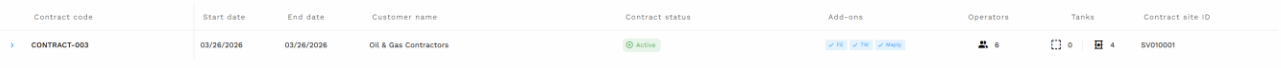
Once these prerequisites are met, the tank can be associated with the contract. Once this operation is performed, the unit consisting of the tank and the associated device will be considered "reserved" on the contract in question, and the tank cannot be associated with other contracts. The tank can be released from the contract in two ways:

- If the unit is rented and completes the entire rental lifecycle before being returned, or
- By removing the tank from the contract, either via actions on the tank row (deletion allowed only if the tank is in "pending" status), or by modifying the contract in the "Tanks" tab (*see chapter 13.1.11.3*), by unchecking the box next to the tank you wish to unlink.

From the moment of activation onwards, the unit will be considered rented and will change status as described in chapter 13.1.5.

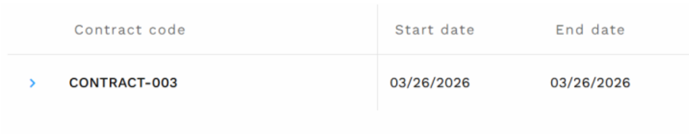
13.1.3. Data Display

Contracts are displayed in tabular form. Each row of the table displays the main contract details



In detail:

- **Contract code**
  The unique code identifying the contract



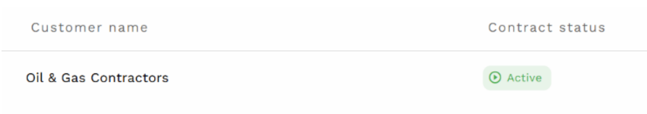
- **Contract start date**

  Contract start date

- **Contract end date**

  Contract end date

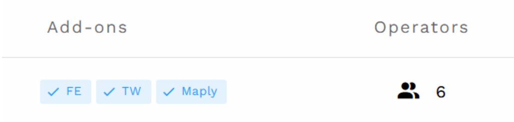
- **Rental customer name**
  The name of the customer for whom this rental contract was opened.



- **Contract status**

  The current status of the contract (*see chapter 13.1.4for more information*).

- **Active add-ons on the contract**
  The add-ons assigned to the site for this contract (*see section . 13.1.6for further information*).



- **Number of operators assigned to the contract**

  The number of operators assigned to this contract (*see section . 13.1.7for further information*).

- **Number of tank slots / tanks assigned to the contract**
  The number of tank slots and actual tanks assigned to the contract (*see sections . 13.1.9.1and 13.1.9.2 for further information*).

- **Contract site code**

  If the contract has been activated, the contract site code accessible by the rental customer will be displayed.

13.1.4. Contract statuses

Each contract has a lifecycle determined by a status. The following are the statuses a contract can have:

Status	Name	Description
Unopened	Not Open	The contract has been created but has not yet been activated
Active	Enabled	The contract has been activated, and the contract site has been created for the rental customer
Suspended	Suspended	The contract has been suspended: the contract site is inaccessible and the pumps of the rented units are locked
Ready to close	Ready for closure	The contract has been marked as "ready for closure": all rented units are marked as "to be returned", the contract site is inaccessible, and the pumps of the rented units are locked
Closed	Closed	The contract is closed. This status is reached automatically after the last rental on the last tank of the contract is closed

Note

A contract can be deleted if and only if it is in the Closed (closed).

13.1.4.1. State transitions

The following state transitions are allowed for contracts:

From		A	How to change the status
Unopened	→	Active	Press the activate button on the contract ( )
Active	→	Suspended	Press the suspend button on the contract ( )
Active	→	Ready to close	Press the "Ready for Closure" button on the contract ( ). Alternatively, the contract automatically moves to this status when its last tank is moved to the "To be returned" status via the relevant action on the contract's tank.
Suspended	→	Active	Press the activate button on the contract ( )
Ready to close	→	Active	Resume the rental of any tank in the contract, returning it to "Active" via the relevant action on the contract tank.

Ready to close → Closed *(automatic transition upon return of the last unit)*

Note

Any other status change not listed in the table above is considered invalid and will be blocked by the system.

13.1.5. Rental statuses

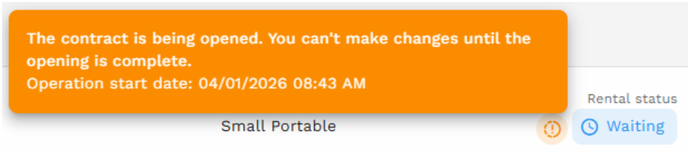
Each rented unit (tank + dispenser) has a specific rental lifecycle for the duration of its stay within a contract. Each phase of the lifecycle is described by a status. Below are the statuses a unit can have:

Status	Name	Description
Waiting	Pending	The unit has been assigned to the contract, but the rental has not yet been initiated for the unit. When the unit is in this status, you can log in via the smartphone app as a "Renter" to start the "rental initiation" process.
In progress	In Progress	The unit has been rented after the rental process was completed via the smartphone app
Migrating	In migration	The unit has been moved from one contract to another via a web app operation. The unit has already been moved to the destination contract site; however, to finalize the migration, you must complete a specific procedure by connecting to the unit via the mobile app.
To be returned	To be returned	The unit is marked as "To be returned" and cannot be used for dispensing. When the unit is in this status, you can connect via the smartphone app as a "Renter" to initiate the "Rental Closure" procedure.
Returned / Available	Returned / Available	The unit is already at the main location or has been returned and brought back to the main location. It is available for rental. NOTE: This status will display "Returned" on the contracts page and "Available" on the tanks and dispensers pages

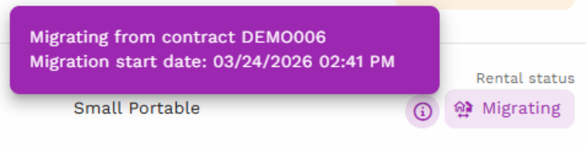
Tanks, only in certain rental statuses, may have a pending operation associated with them.

The pending operation is represented by an icon next to the status.

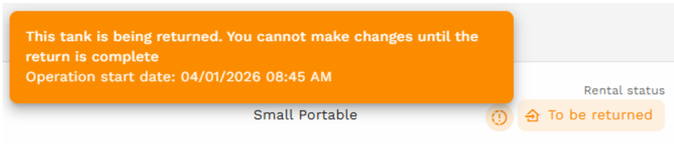
- Tank in Waiting ("Pending") for which the rental procedure has been initiated via the app.



- Tank for which migration has been initiated via the web app.
  The contract from which the migration was initiated and the migration start date will be displayed.



- Tank in To be returned ("To be returned") for which the rental closure procedure has been initiated via the app



No operations can be performed on a tank that has a pending operation.

Note

Rental statuses are also displayed within the cards of the entities involved in the rental (tanks and dispensers). See the respective sections 9.1 and for 11.1.1 more information.

13.1.5.1. State transitions

Below are the permitted status transitions for rented units:

From		A	How to change the status
Waiting	→	In progress	Initiate the rental opening procedure on the smartphone app after connecting to the dispenser with it as a "Renter" *(see the App manual for more information).*
In progress	→	Migrating	Move the unit from one active contract to another active contract using the actions on the tank row *(see chapter 13.1.9.2 for more information)*
In progress	→	To be returned	Press the "Request Return" button on the tank row of a contract *(see chapter 13.1.9.2 for more information)*
Migrating	→	In progress	*(automatic transition upon completion of the migration process; see the App manual for more information)*
To be returned	→	In progress	Press the "Resume Rental" button on the tank row of a contract *(see chapter 13.1.9.2 for more information)*
To be returned	→	Returned	Start the rental closure procedure on the smartphone app after connecting to the dispenser with it as a "Renter" *(see the App manual for more information).*

13.1.6. Contract add-ons

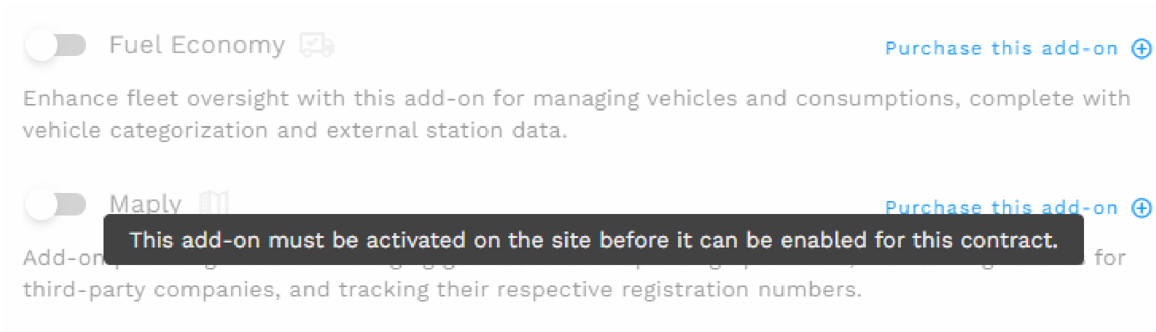
You can assign B.SMART add-ons to contracts. The add-ons will be activated on the contract site, and the rental customer will be able to use their features.

Contract add-ons have the following limitations:

- The Tank Watchdog add-on is enabled by default on contract sites, as it is required for MasterSite to function.
- You cannot assign add-ons to a contract that are not present on the main site.

In other words: to activate Fuel Economy on a contract, you must have purchased and activated the Fuel Economy add-on on the main site; to activate Maply on a contract, you must have purchased and activated the Maply add-on on the main site.

If an add-on is not active on the main site, the corresponding field within the contract edit form (the "Add-ons" tab) will be disabled, and a warning will appear when you hover over it, as shown in the following image:



13.1.7. Contract operators

You can associate operators with the contract. The number of operators assigned to the contract determines how many operators with the “Driver” role can be created on the contract site.

You can change the number of operators associated with the contract at any time, even after the contract has been activated. The changes will be reflected on the contract site.

Please note!

- Once the first operator with the “Driver” role is created on the contract site, it will no longer be possible to decrease the number of operators assigned to that contract. You will only be able to increase it.
- **Assigning operators to a contract consumes driver slots** (provided by the Plus Drivers add-on) on the **main site.** Reducing the number of operators on contracts (or closing contracts) consequently frees up driver slots on the main site.

13.1.8. Contract management operations

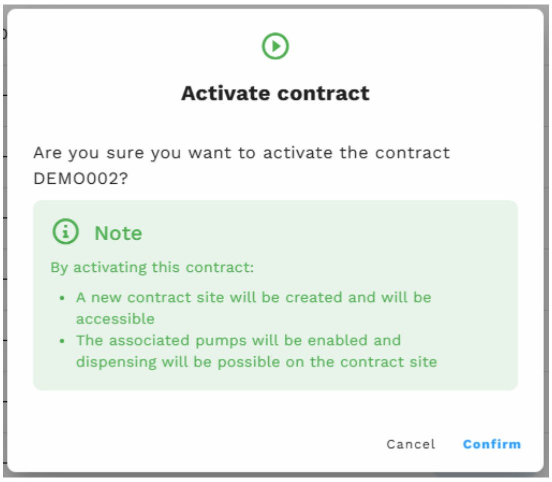
When you hover your mouse over a contract row, the actions you can perform on it will appear at the bottom right. Here is a brief description of them:

Action icon	Action name	Description
	Activate	Activates the selected contract. Once activated, a contract site will be automatically created, and a confirmation email will be sent to the rental customer with instructions on how to access it. NOTE: This button is only available if the contract is in Unopened (“Not Open”) or Suspended (“Suspended”).
	Edit	Allows you to edit the contract details.

		NOTE: This button is available in all contract statuses **except** Ready to close ("Ready for closure") and Closed ("Closed")
	Delete	Allows you to permanently delete the contract. NOTE: This button is only available if the contract is in Unopened ("Not Open") or Closed ("Closed")
	Resend invitation	Allows you to resend the invitation email to the contract website to the rental customer.
	Export	Allows you to export the contract data at any time NOTE: This button is Unopened not available when the contract is in the ("Not Open") status .
	Suspend	Allows you to temporarily suspend a contract. NOTE: This button is only available when the contract is in the (Active "Active") status .
	Move to "Ready for Closure"	Allows you to mark the contract as "Ready for closure," moving all units to the To be returned ("To be returned"), which makes it possible to start the rental closure procedure for them. NOTE: This button is only available when the contract is in the (Active "Active") status .

These actions are explained in detail in the following sections.

13.1.8.1. Activation



When you press the activation button button for a contract, a notification appears briefly explaining what will happen upon activation.

- A contract site will be automatically created for the rental customer;
- The units (tank + device) will be visible on the contract website

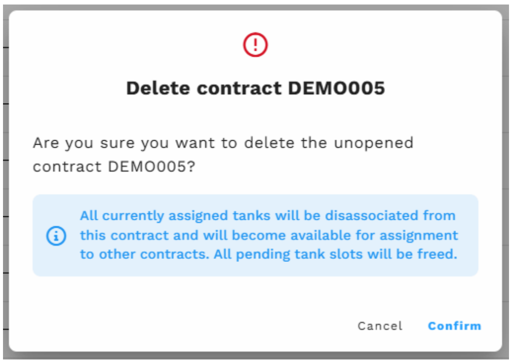
By clicking the confirmation button, the contract will be activated.

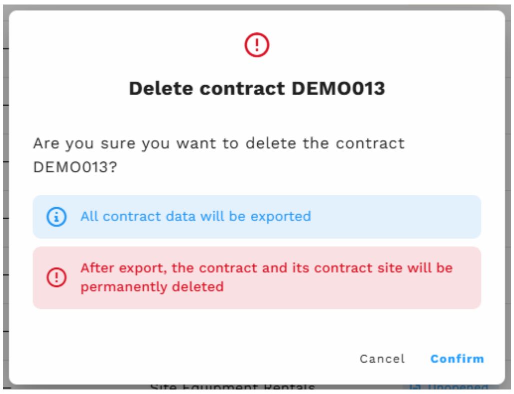
The system will send an automatic invitation email to the customer, allowing them to complete the registration process on the contract website.

13.1.8.2. Edit

Clicking the edit button will open a side panel for editing the contract information (*see chapter 13.1.12 for more information*).

13.1.8.3. Deletion





Clicking the delete button will result in one of two scenarios:

- If the contract is in the Unopened ("Not Open"), the tanks associated with the contract are released and become available for association with other contracts.
- If the contract is in the Closed ("Closed")*status, 13.1.8.5the contract data will first be exported (*see the section). The contract will then be permanently deleted, along with all its data.

13.1.8.4. Resend an invitation

By clicking the "Resend Invitation" button the invitation email will be resent to the rental customer. The email address to which the invitation will be sent is the address specified in the "Email" field of the rental customer's profile (*see section . 13.2.2.1*).

Note

- If the rental customer has already logged in to the contract site, the invitation email will not be resent and a notification will be displayed:

  This email address is already registered.

- There is a one-minute limit per request. You cannot send more than one invitation request per minute per rental customer. Consecutive request attempts will be blocked, and the following error message will be displayed:

  Invitation unsuccessful
  Too many requests. Please try again in about a minute.

13.1.8.5. Contract Data Export

You can export contract data at any time by clicking the export button .

An Excel file containing two sheets will be generated and downloaded: the first sheet contains information about the contract and the associated tanks, and the second sheet contains the fuel dispensations made at the contract site up to that point.

CONTRACT-003 — Oil & Gas Contractors

Contract code	CONTRACT-003
Customer	Oil & Gas Contractors
Description	Industrial Fuel Services - Warehouse Distribution
Status	ACTIVE
Start date	26/03/2026
End date	26/03/2026
Contract site ID	SV010001

Settings

Tank Watchdog	Yes	**Fuel Economy**	Yes	**Maply**	Yes
Number of operators	6				

Tanks

Name	Fluid	Category	Capacity	Quantity	Measure unit	%	Status	Rental status	Last sync
Rental AdBlue 1	AdBlue	Small Portable	3000	2310	LITERs	77%	NORMAL	TO BE RETURNED	20260318071124
Rental Oil 1	Oil	Small Portable	4000	2880	LITERs	72%	NORMAL	MIGRATING	20260315152839
Rental Oil 5	Oil	Small Portable	4000	2920	LITERs	73%	NORMAL	WAITING	20260315042841
Rental AdBlue 6	AdBlue	Small Portable	3000	1860	LITERs	62%	NORMAL	IN PROGRESS	20260317074602
Rental Oil 9	Oil	Small Portable	4000	1640	LITERs	41%	NORMAL	IN PROGRESS	20260320085720
Rental Diesel 8	Diesel	Small Portable	5000	2500	LITERs	50%	—	RETURNED	20260322152339
Rental Diesel 10	Diesel	Small Portable	5000	1800	LITERs	36%	—	RETURNED	20260314213941

Pumps

Tank	Pump	Information	Dispenser	Serial number	Model type
Rental AdBlue 1	A	PUMP A	MCBDuoDC00000008	00000008	MC DUO DC
Rental Oil 1	A	PUMP A	MCBDuoDC00000010	00000010	MC DUO DC
Rental Oil 5	A	PUMP A	MCBDuoDC00000022	00000022	MC DUO DC
Rental AdBlue 6	A	PUMP A	MCBDuoDC00000024	00000024	MC DUO DC
Rental Oil 9	A	PUMP A	MCBDuoDC00000034	00000034	MC DUO DC
Rental Diesel 8	A	PUMP A	MCBDuoDC00000029	00000029	MC DUO DC
Rental Diesel 10	A	PUMP A	MCBDuoDC00000035	00000035	MC DUO DC

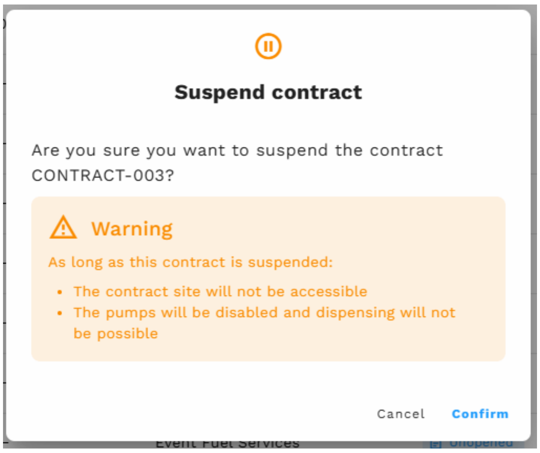
Contract | 0.00 L

13.1.8.6. Suspension

When you click the suspension button for a contract, a notice will appear briefly explaining what will happen upon suspension.

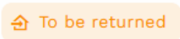
- The contract site will be blocked: it will not be possible to perform operations on it or log in;
- The pumps of the devices at the contract site will be disabled, and it will not be possible to dispense fuel there.

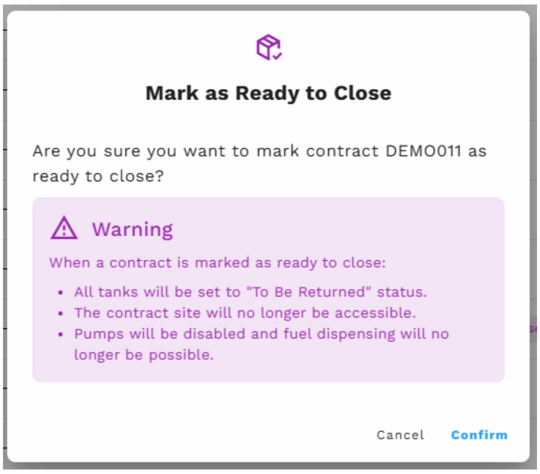
By pressing the confirmation button, the contract will be suspended.



13.1.8.7. Preparing for closure

When you click the “Ready for closure” button button for a contract, a notification appears briefly explaining what will happen in this state.

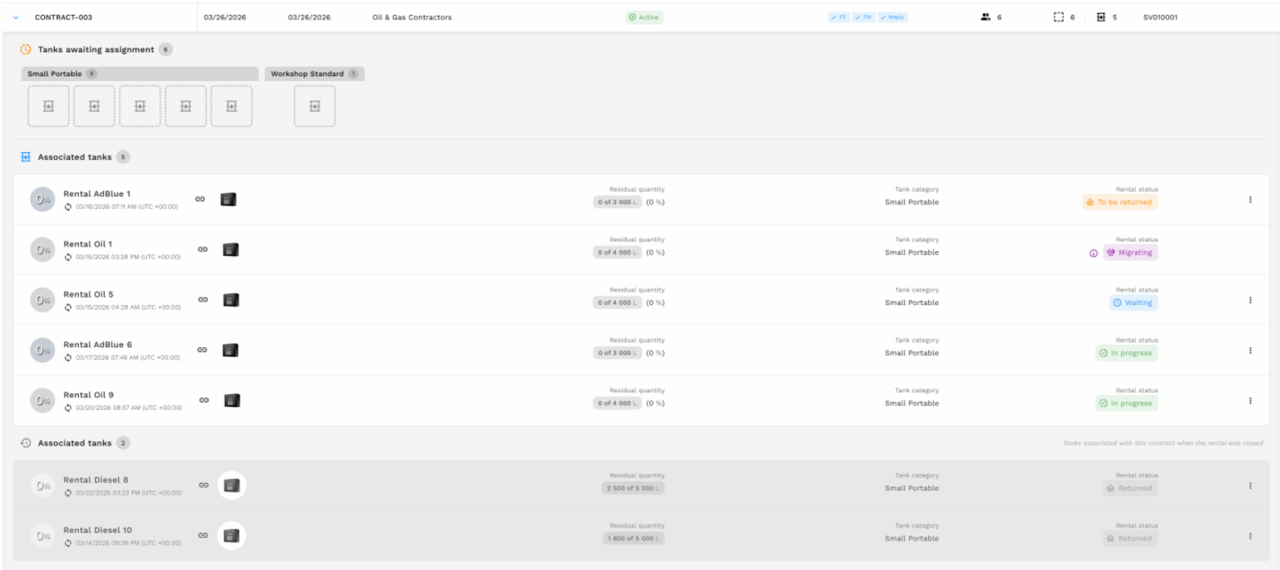
- All tanks associated with the contract will be moved to the  ("To be returned");
- The contract site will be blocked: it will not be possible to perform operations on it or log in;
- The pumps of the devices at the contract site will be disabled, and it will not be possible to dispense fuel there.



By pressing the confirmation button, the contract will be suspended

13.1.9. Contract Details

Clicking the button located at the beginning of each row will open the detailed information for the contract in question, namely the tanks/slots associated with the contract.

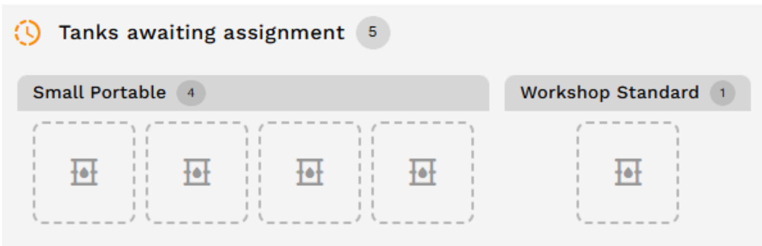


In this subsection, you will be able to view (if available):

- **Tank slot** waiting to be assigned
- **Tanks** actually **associated** to the contract, with information on level, synchronization, percentages, lease status, and actions that can be performed on the tank
- **History** of **tanks** associated at the time their lease ends

13.1.9.1. Tanks awaiting association

"Pending tanks" can be added to a contract by category; these tanks have yet to be associated with the contract.



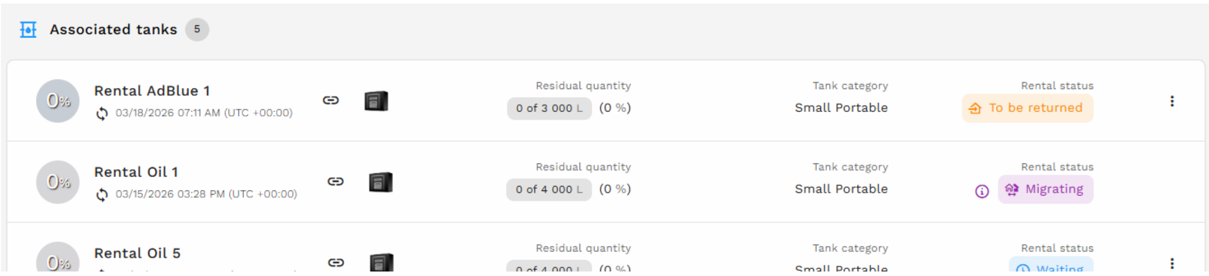
These pending tanks are grouped by category: a bar above each group indicates the category name and the number of tanks remaining to be associated.

Tanks awaiting association can be filled by accessing the smartphone app and entering the code of the desired tank (*see the app manual for more information*). The system:

- Will verify the validity of the tank you wish to associate with the slot, checking that the tank in question is available, rentable, associated with a device, and that its category matches that of the slot you wish to fill.
- It will associate the tank corresponding to the entered code with the contract
- In the contract details section, it will remove a pending slot and add a row corresponding to the newly associated tank in its place.

> **Note**
>
> A contract with pending slots that have not yet been associated **cannot** be activated. All slots must first be filled by associating actual tanks with the contract via the smartphone app.

13.1.9.2. Associated tanks



Tanks can be associated directly with a contract via the “Individual Tanks” subsection of the “Tanks” tab in the contract creation/edit form (*see chapter 13.1.11.3*).

Each row represents a tank associated with the contract. Tanks with the status Waiting (“Pending”) are still at the main site; those with the status have In progress already been started up, configured, and shipped to the customer (or are about to be), while tanks in other statuses have already been delivered to the customer’s site.

Tank Information

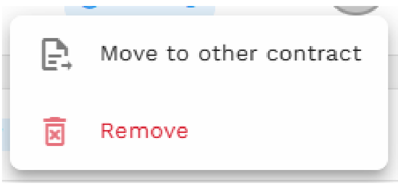
Each row displays the following information:

- Delimiter
- Tank level (data from the customer’s site)
- Last update date (data from the customer’s website)
- Dispenser associated with the tank
- Remaining quantity and percentage (data from the customer site)
- Tank category
- Rental status

Tank actions

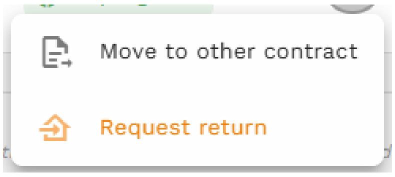
Each row also has different actions based on the combination of contract status and tank rental status:

- Contract status: Unopened, rental status: Waiting
  - **Move to another contract**
    This operation moves the tank in question from one contract to another.
    If initiated on a contract with the status Unopened ("Not Open"), this action can only be performed Unopened to another contract with the same status ("Not Open").



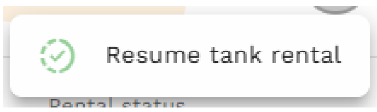
  - **Removal**

    This operation removes the tank from the contract, making it available for association with other contracts.
- Contract status: Active, rental status: Waiting
  - **Removal** – *See above*
- Contract status: Active, rental status: In progress
  - **Move to another contract**
    This operation initiates the migration of a contract to another. The tank will be moved to the destination contract/contract site. The reservoir will remain in a "pending" state until the migration process is completed via the smartphone app (*see the app manual for more information*).



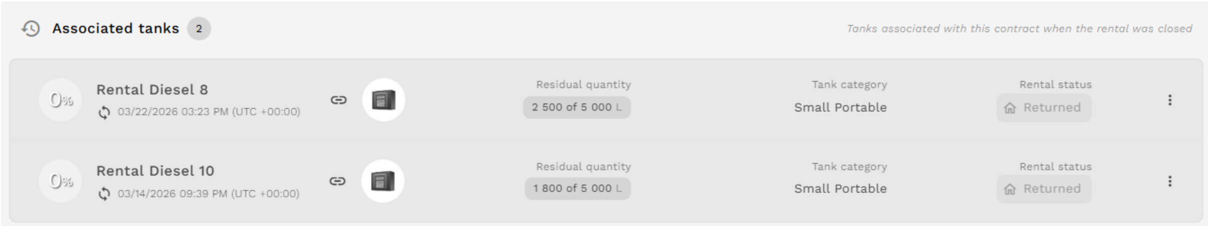
    This action, if initiated from a contract in the Active ("Active") status , can only be performed Active to another contract with the same ("Active") status .
  - **Request Return**

    This operation allows you to request the return of a tank, moving it to the rental status To be returned ("To be returned"). In this status, you can connect to the device via the smartphone app and start the rental closure procedure (*see the app manual for more information*).
- Contract status: Active, rental status: To be returned
  - **Resume rental**
    This operation allows you to resume the rental of a tank, moving it back to the rental status In progress ("In Progress").



13.1.9.3. History of associated tanks

A contract may display a history of tanks that were initially associated with the contract and whose rental has been terminated, as shown in the figure:



The list will show only those tanks whose rental has been terminated via the standard rental workflow using the smartphone app (*see the App manual for more information*), and which are therefore available again for new rentals on the main site.

They will still be shown in the contract details as history/tracking.

13.1.10. MasterSite Tank Slots

The MasterSite add-on is cumulative and is sold in two sizes: MasterSite +10 tanks and MasterSite +50 tanks. The tank size determines the **total** number of tanks that can be associated with contracts.

Example: If you have purchased three MasterSite add-ons with the +10 size, you can associate a total of 30 tanks with contracts. If the site contains 100 tanks, only 30 of these 100 can be associated with contracts, in any configuration (the important thing is that the total number of tanks associated with contracts does not exceed 30).

Tank size **does not** affect the total number of tanks that can be created in the "Tanks" section (*see chap. 11.1*). That number remains unlimited.

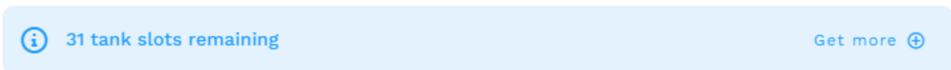
13.1.11. Add

To add a contract, click the button in the top right corner 

.

A dropdown menu will open on the right with all the fields to fill out to create a new contract. The fields are grouped and divided into tabs (or sections) by topic.

In the add and edit forms, located at the top, you'll find information on the remaining tank slots.

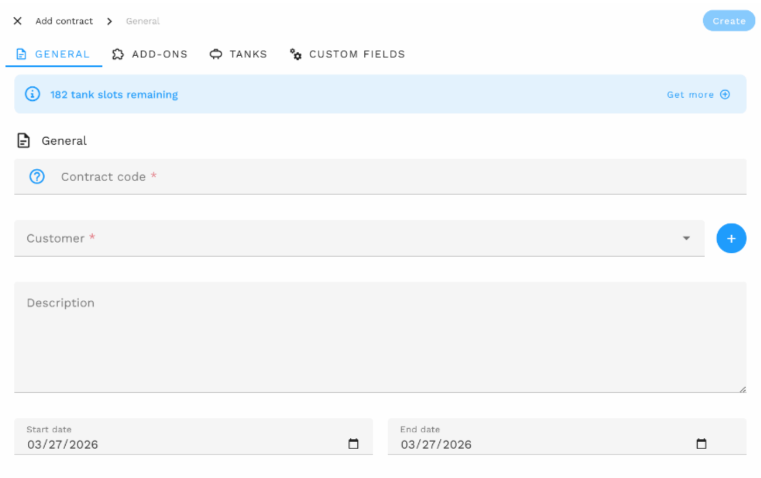


13.1.11.1. GENERAL Information Section

In this section, you can edit the general information of a contract:

- **Contract Code** (Required)

  Unique identifier for the contract. Must be a string between 6 and 255 characters, without spaces. Special characters are allowed.



- **Customer** (required)

  The rental customer for whom this contract is to be created. You can select a previously created customer or create a new one directly by clicking the button + to the right of the field.

- **Description**

  Optional contract description

- **Start date**

  Contract start date. NOTE: This field is purely for record-keeping purposes to track dates; it has no effect on the MasterSite system.

- **End Date**

  Contract end date. NOTE: This field is purely for record-keeping purposes to track dates; it has no effect on the MasterSite system.

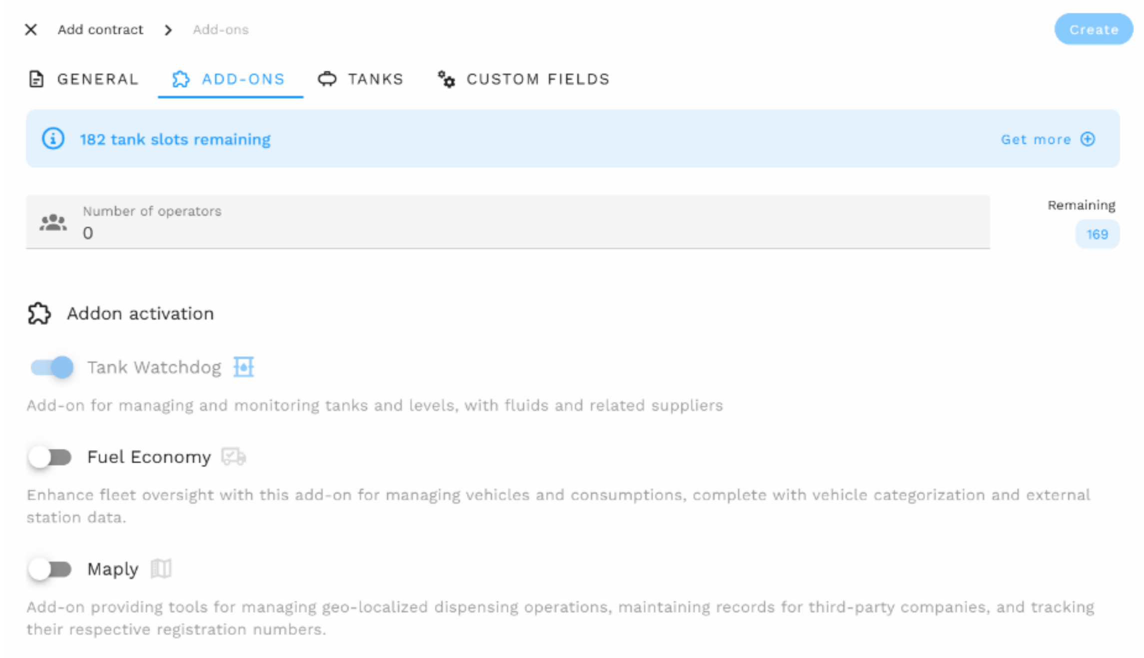
There is no limit on the number of contracts that can be added.

Note

Contracts with the status “Ready for closure” Ready to close and “Closed” Closed cannot be modified (*see chapter 13.1.4 for more information*).

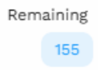
13.1.11.2. ADD-ON Section

In this section, you can modify the contract site configuration (see chapter 13.1.1 for more information).



- **Number of operators**

  The number of operators to be assigned to the contract site. It can be 0 during creation, but must be greater than 0 at the time the contract is activated.

  A badge on the right (

) indicates the number of available driver slots to assign to the contract.

- **Tank Watchdog Add-on**

  Read-only field, always active. In fact, activation of the Tank Watchdog add-on on the contract site is mandatory, as this add-on enables the management of tanks, fluids, and movements, which are necessary for MasterSite to function.

- **Fuel Economy Add-on**

  This field allows you to enable or disable the Fuel Economy add-on on the contract site.

- **Maply Add-on**

  This field allows you to enable or disable the Maply add-on on the contract site.

13.1.11.3. FUEL TANKS Section

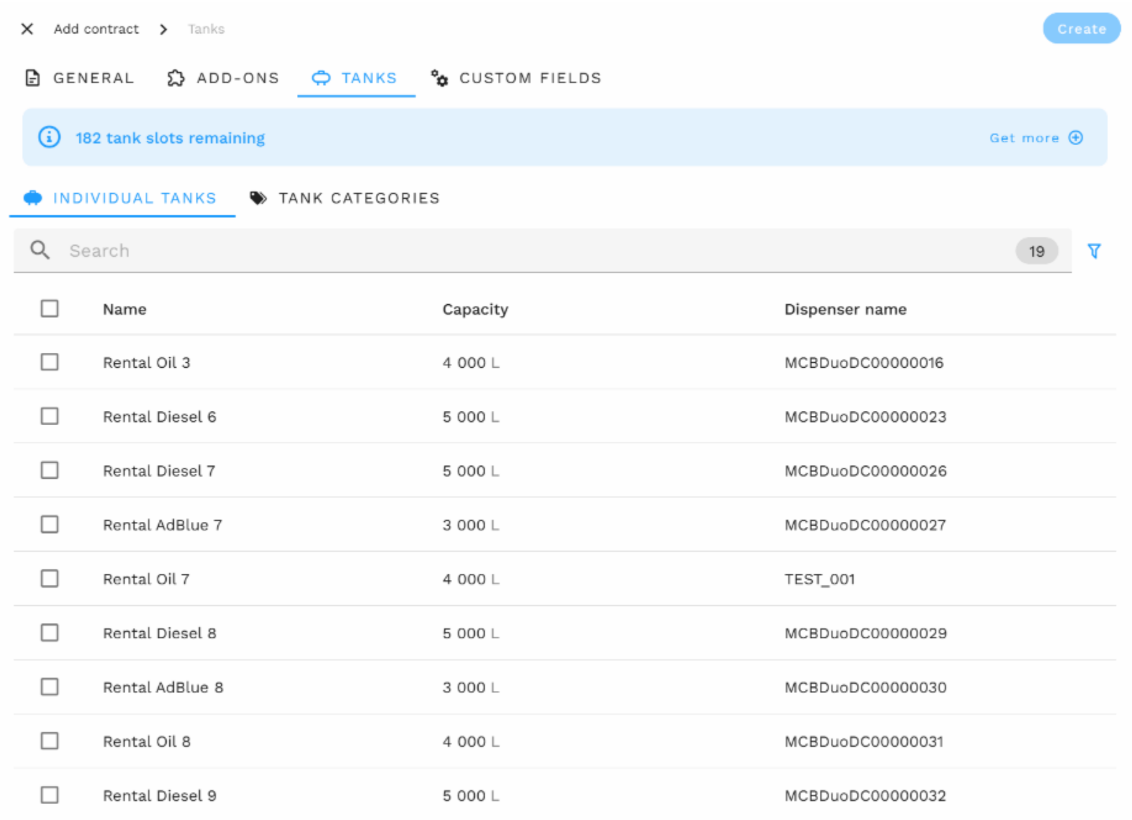
This section is divided into two subsections:

- **Individual Tanks**

  You can associate tanks present in the system.

- **Tanks by Category**

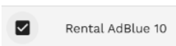
  You can allocate slots to the contract by tank category. These slots will be filled later.

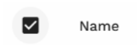


Individual Tanks

In the first section, you can individually select tanks to associate with the contract.

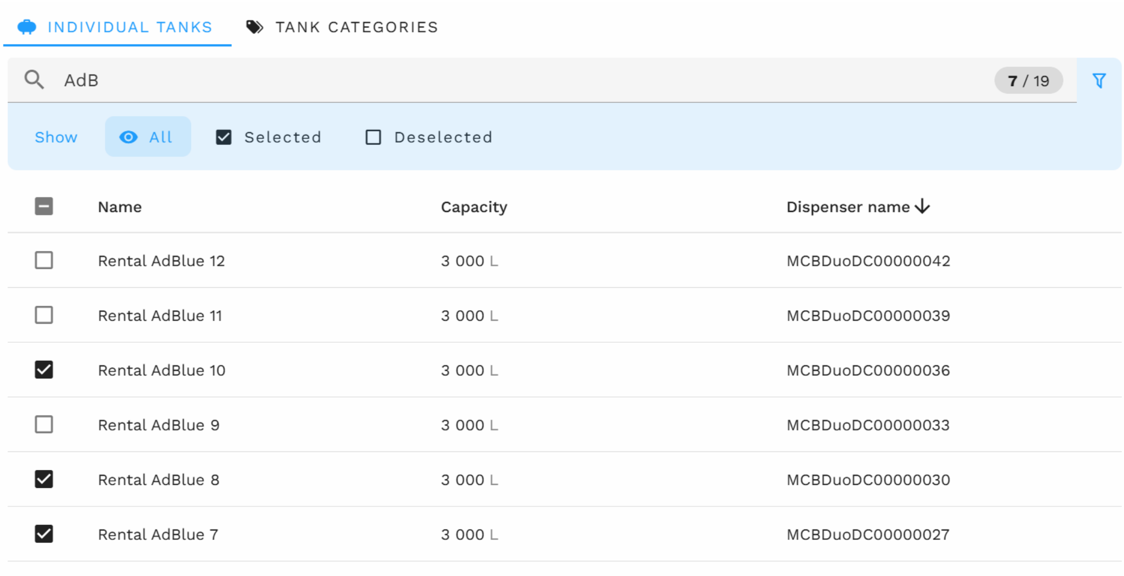
The table offers several features:

- You can select more than one tank at a time using the checkboxes to the left of each row 

- You can select all tanks at once using the checkbox in the header row 

- You can filter by tank name / capacity / dispenser name using the search bar at the top
- You can filter items by all / selected only / deselected only by clicking the advanced filter button .
- The list shows the selected items out of the total in the top-right corner: 10 / 19

Below is an image showing all the features described above in use:

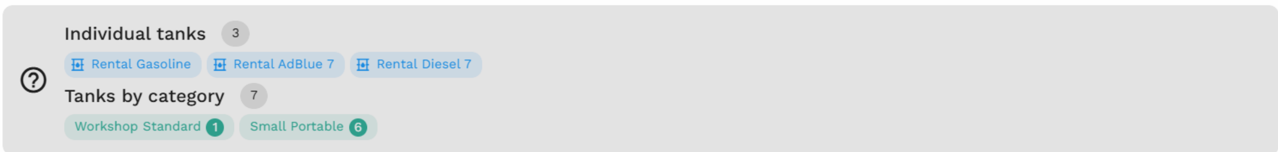


Upon creation, the selected tanks will be associated with the contract and will not be available for association with other contracts as long as they remain associated with the contract in question.

Note

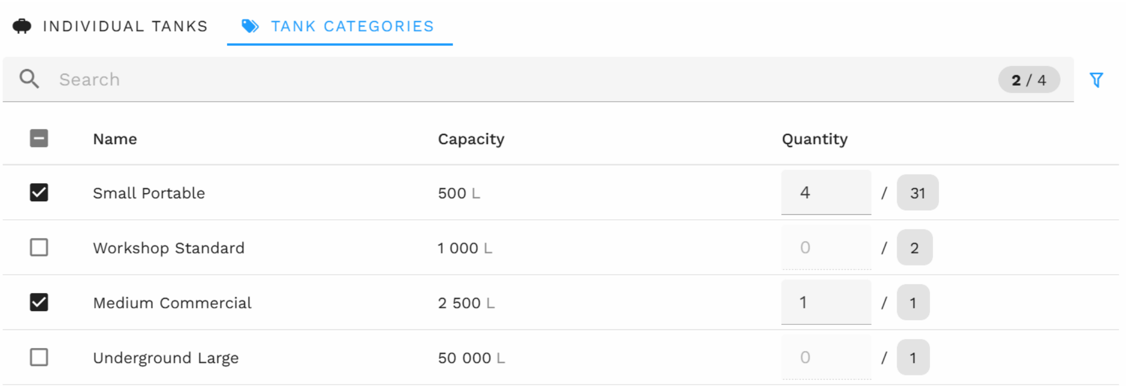
This association feature for “individual tanks” is designed for systems with few tanks or for systems where tanks can be easily and accurately identified, since the tank on the B.SMART site **must** match the physical tank that will be rented.

The currently selected tanks will be displayed in the information card at the bottom of the “Tanks” tab in the contract addition/edit form.



Tanks by Category

In the second section, you can select tanks by category.

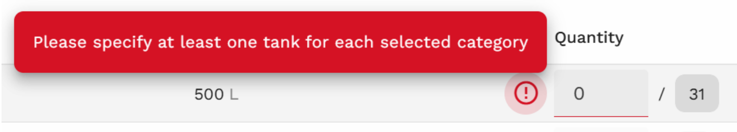


	Name	Capacity	Quantity
☑	Small Portable	500 L	4 / 31
☐	Workshop Standard	1 000 L	0 / 2
☑	Medium Commercial	2 500 L	1 / 1
☐	Underground Large	50 000 L	0 / 1

Each row represents a tank category. All categories available on the B.SMART website will be displayed (*see chapter 11.2For more information on tank categories*).

The numbers in the "Quantity" column indicate how many tanks of that category you wish to associate with the contract. The number on the left can be entered by the user, while the number on the right represents the total number of tanks in that category that can still be associated with a contract.

<u>NOTES:</u>



- It is not possible to associate 0 tanks of a given category.
- You cannot assign more than the maximum number of tanks for a given category.

The table in this section offers the same features as the table described in the previous section (filters, sorting, multiple selection).

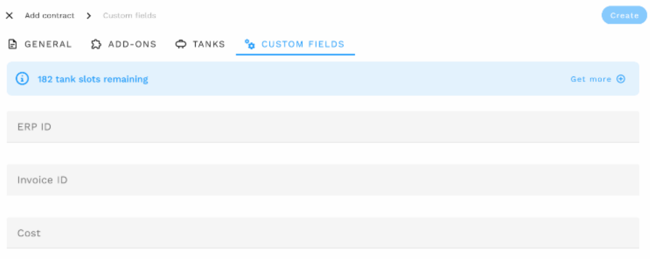
The selected categories will be added to the contract as "tanks awaiting association" upon creation. They will require an additional step using the smartphone app, which must be performed in physical proximity to the tank, allowing you to enter or scan the tank's unique code to automatically associate it with the desired contract (*see the app manual for further information*).

> **Note**
>
> This "association by category" feature is designed to simplify and speed up the retrieval of physical tanks for preparation for rental and/or loading onto vehicles.

13.1.11.4. CUSTOM FIELDS Section

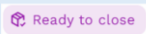
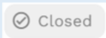
NOTE: This section is available only if the “Enable custom fields” setting is active and custom fields have been set up for contracts (see section 14.2.1).

In this section, you can set the values for the custom fields for contracts.

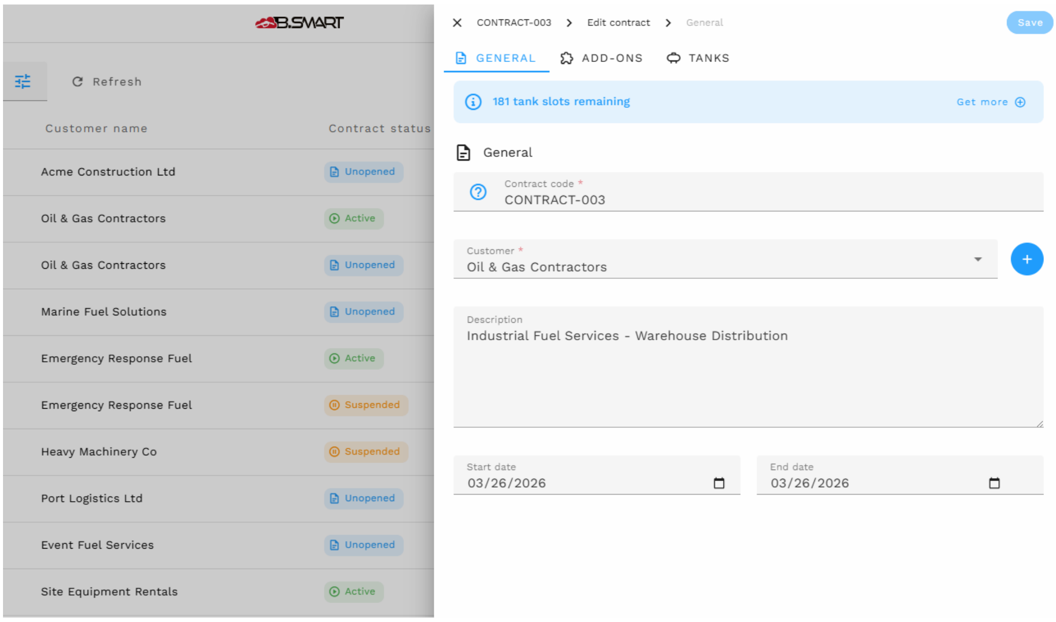


13.1.12. Edit

To edit a contract, click the button  button that appears when you hover over each row of the contracts table. A dropdown menu will open on the right for editing the data.

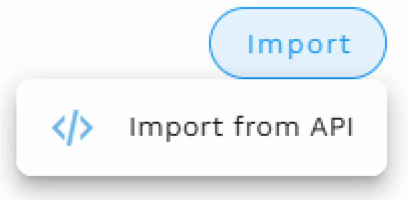
> **Note**
>
> Contracts with the status “Ready for closure”  and “Closed”  cannot be modified (*see chapter 13.1.4 for more information*).

The edit section contains the same forms and fields seen in the previous chapter. The only difference is in the displayed data: the fields will be pre-filled with the data from the selected contract and can be edited with the desired values.



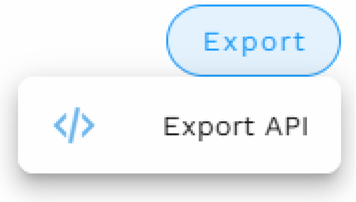
13.1.13. Import

NOTE: The "Import via API" option is available only after enabling the "Enable Export API" setting. See chapter 14.2.2.



You can import rental customers via API. Clicking the "Import via API" option will redirect you to the Import/Export API documentation page in the "Contracts" section.

13.1.14. Export

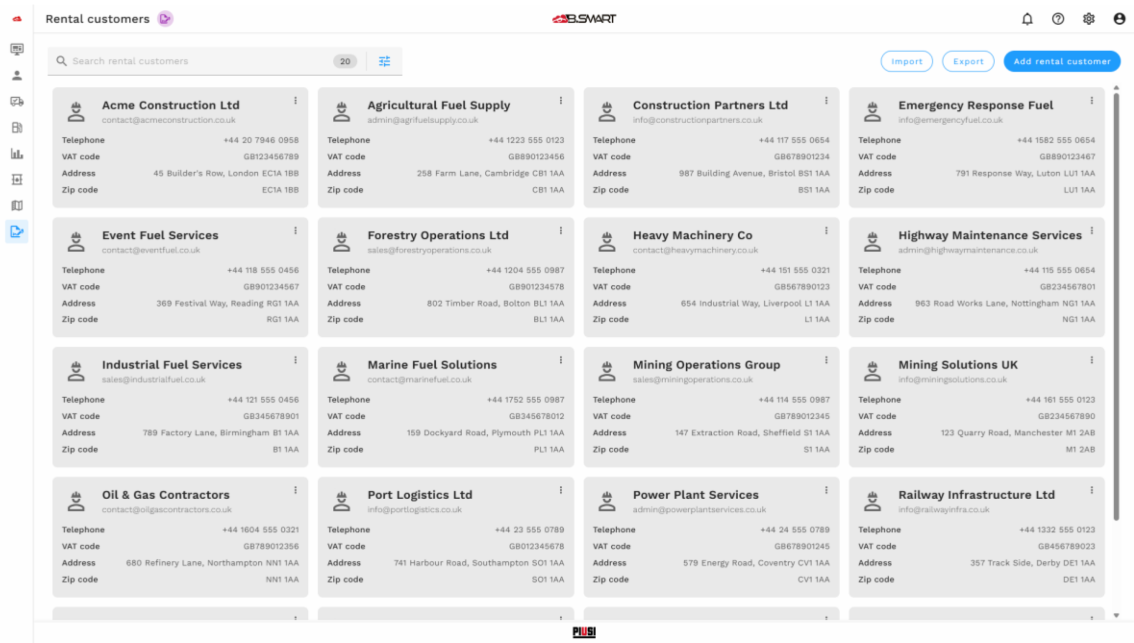


Contracts can only be exported via the API.

Clicking the "API Export" option will redirect you to the export API documentation for contracts.

13.2. Rental Customers

From this section, you can manage the complete rental customer database. When creating each contract, you must select a rental customer to assign.

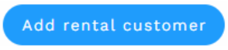


13.2.1. Information

The main customer details for a rental customer can be viewed directly from the card in the list.

To view further details, simply tap the card: a panel with detailed information will open, where you can view and edit the data.

13.2.2. Add

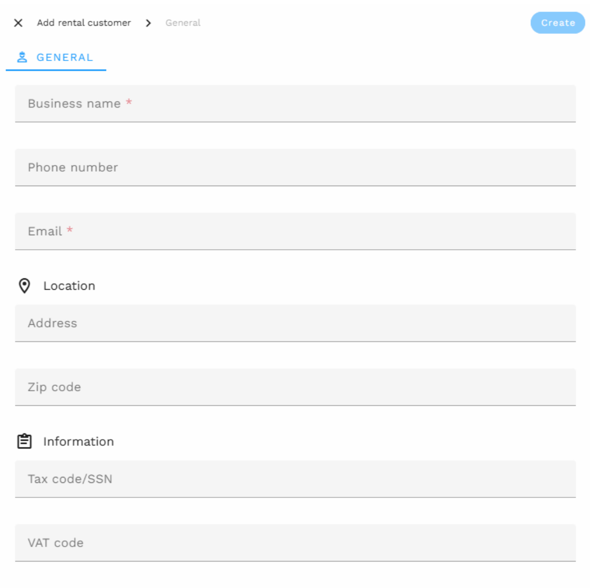
To add a rental customer, click the button in the top right corner 

.

A panel will open on the right with all the fields to fill out to create a new rental customer. The fields are grouped and divided into tabs (or sections) by topic.

13.2.2.1. GENERAL Information Section

In this section, you can edit the general information for a rental customer. Each rental customer is represented by:



- **Company Name** (Required)
  Unique rental customer ID
- **Phone**

  Rental customer's phone number
- **Email**

  Rental customer email
- **Address, ZIP Code**

  Rental Customer Location
- **Tax ID, VAT number**

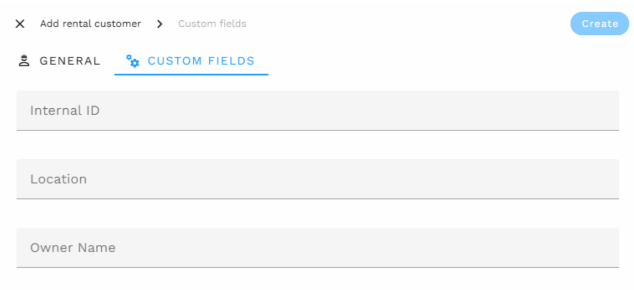
  Rental customer profile information

There is no limit on the number of rental customers you can add.

13.2.2.2. CUSTOM FIELDS Section

NOTE: This section is available only if the "Enable custom fields" setting is enabled and custom fields have been set up for rental customers (see section 14.2.1).

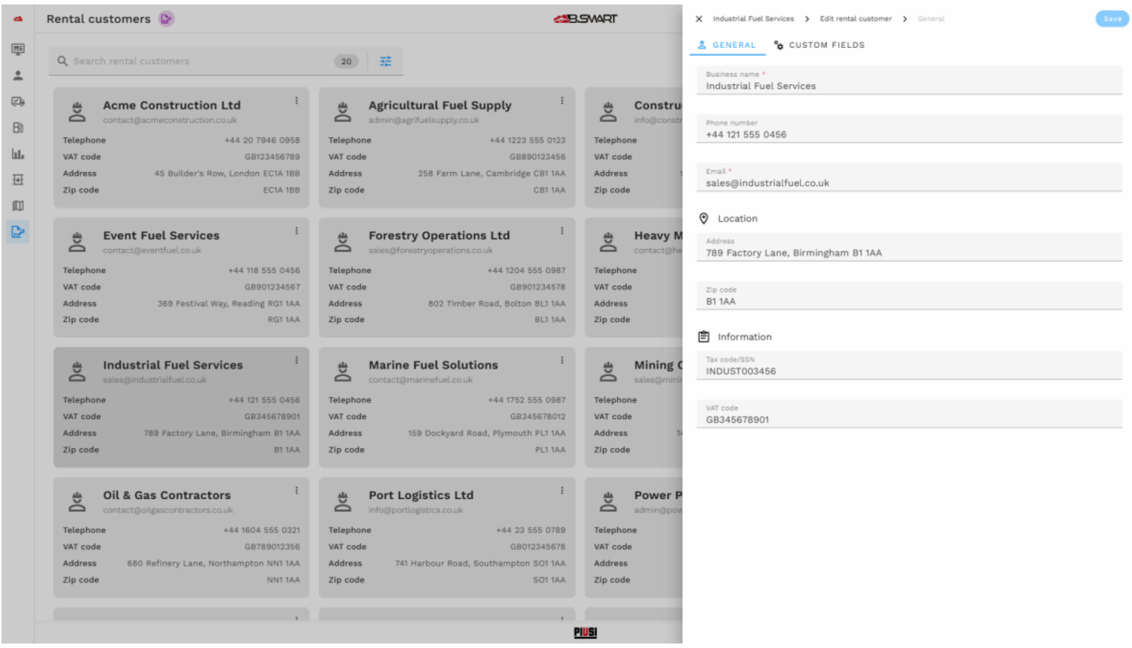
In this section, you can set the values for the custom fields for rental customers.



13.2.3. Edit

To edit a rental customer, click on the card. A panel will open on the right for editing the data.

The edit section contains the same forms and fields seen in the previous chapter. The only difference is in the data displayed: the fields will be pre-filled with the data of the selected rental customer and can be edited with the desired values.



13.2.4. Management Operations

Clicking the three dots in the top right corner of a rental customer's card will display the actions available for that customer.

13.2.4.1. Deletion

Clicking "Delete" will delete the rental customer. You will be asked to confirm before deleting.

13.2.5. Import

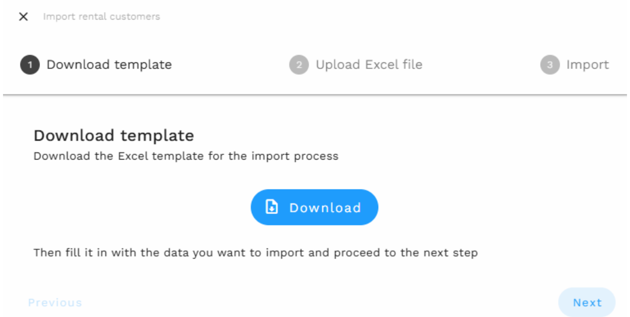
There are two ways to import rental customers:

- Import via Excel
- Import via API

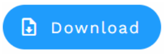
13.2.5.1. Excel Import

You can import rental customers from an Excel file by clicking on "Import from Excel.".

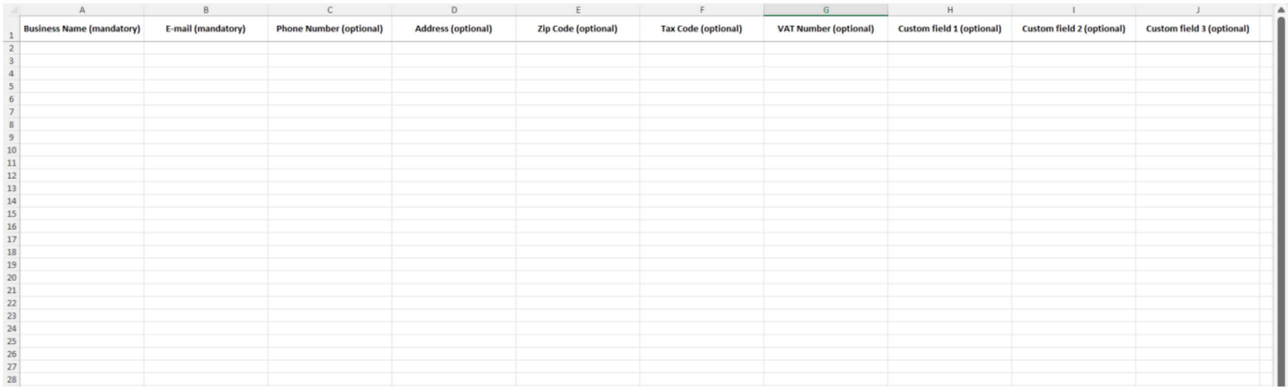
A sidebar will open on the right with a three-step process.



Download template

Clicking the button 

will download an Excel template with a blank table already set up for entering rental customers.



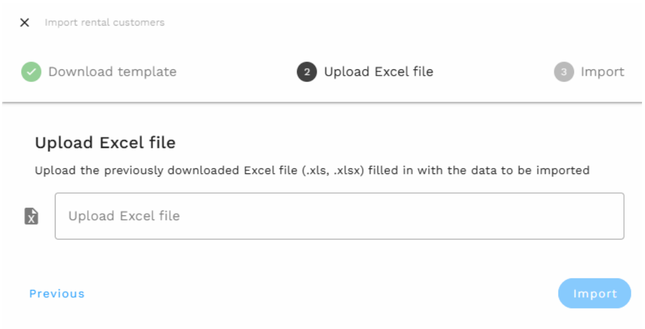
The Excel sheet must be filled in with the desired information. Each row represents a rental customer, and each column represents a field for that customer.

Once the Excel file has been filled out and saved, click the

in the operator import section.

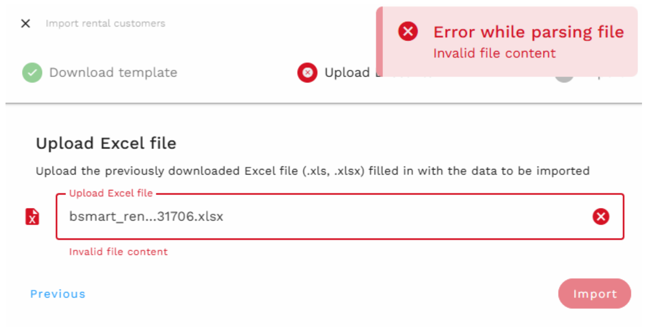
File Upload

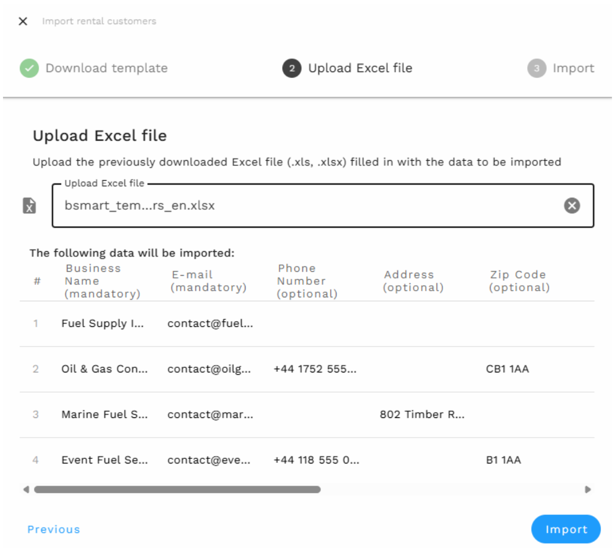
In this second step, you can upload the file you just filled out either by clicking the upload field and selecting the file from your PC, or by dragging and dropping the desired file onto the upload field.



NOTE: You can only upload Excel files from the previous step. You cannot create a custom file with the list of rental customers and upload it.

Uploading an incompatible file will result in an error shown in the image on the side.





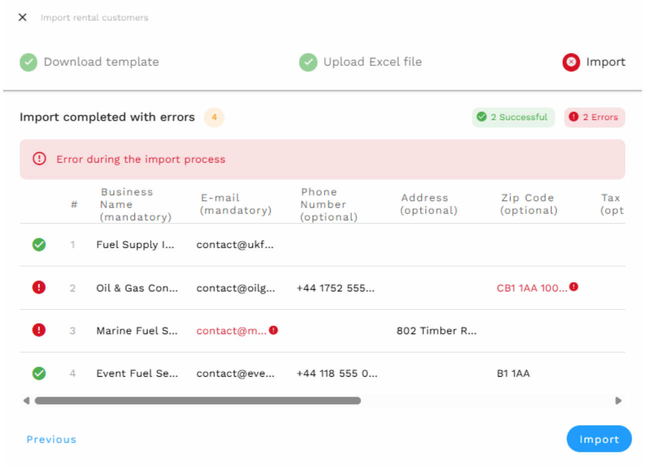
Once the Excel file has been uploaded, if it is valid, a table will be displayed to review the data before importing.

To proceed with the import, click the 

button.

Importing Rental Customers

In the third and final step, you can start the operator import.

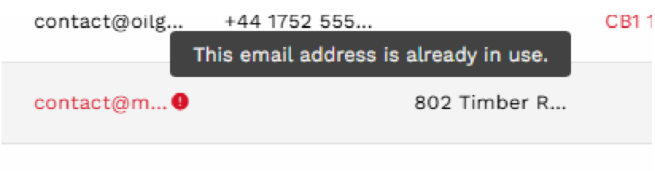


A table showing the import results will be displayed, allowing you to view the data that has just been uploaded.

If errors occur during the import process, they will be highlighted in the table rows, as shown on the right.

Rows for rental customers successfully imported will be preceded by the symbol ✅, while rows for customers not imported due to an error will be preceded by the symbol . ❗.

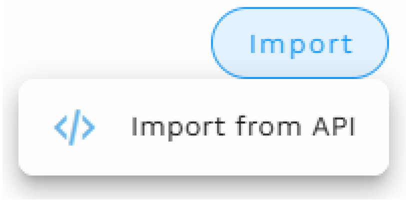
Hovering your mouse over an error indicator will display the corresponding message.



13.2.5.2. API Import

NOTE: The “Import via API” option is available only after enabling the “Enable Export API” setting. See chapter 14.2.2.

You can import rental customers via API. Clicking the “Import via API” option will redirect you to the Import/Export API documentation page in the “Rental Customers” section.

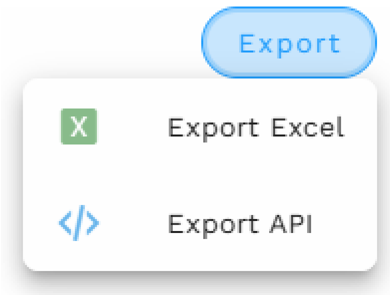


13.2.6. Export

You can export rental customers in two different ways: Excel or API.

Clicking the “Excel Export” option will generate an Excel file containing the currently displayed data.

Clicking the “API Export” option will redirect you to the export API documentation for rental customers.

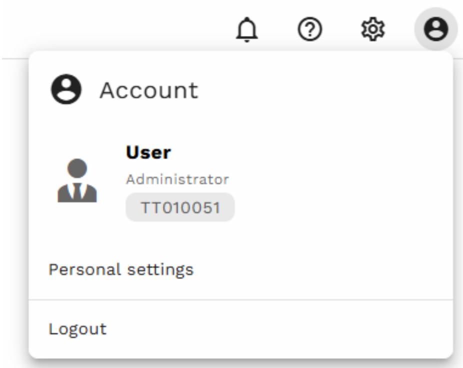


14. SETTINGS

This section contains all user, system, and add-on settings. In this section, you can also manage facility information, manage web app users, and add new add-ons for your facility.

You can access this section by clicking the gear icon located at the top right of the Web App header and selecting one of the menu items. *For more details, see the chapter 14.2.*

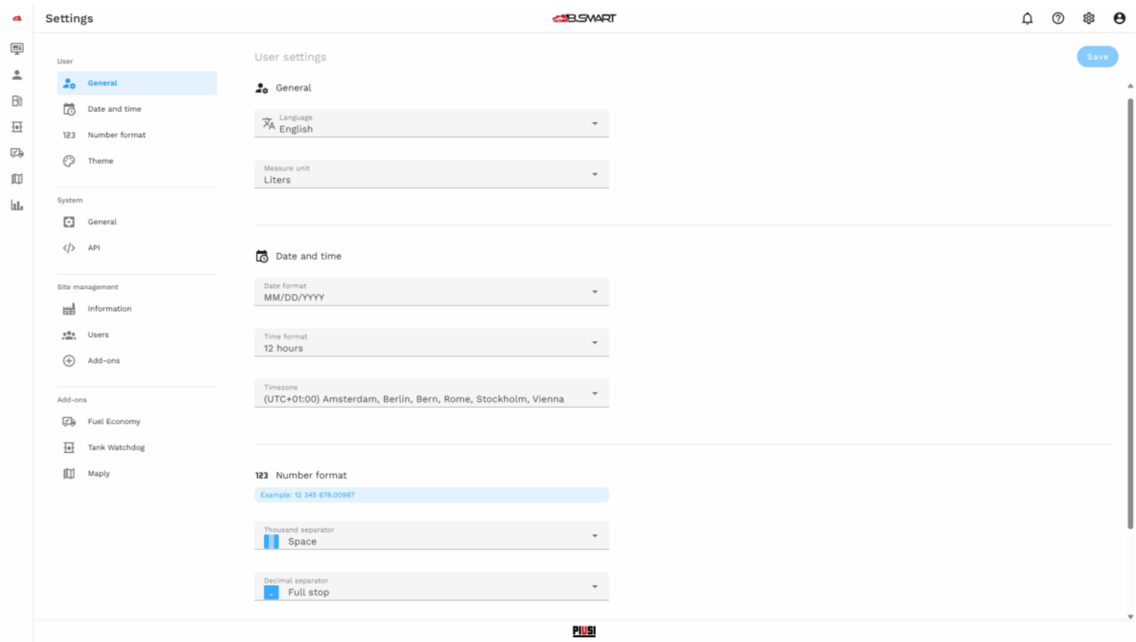
Alternatively, you can access this section by clicking the user icon located at the top right of the Web App header and selecting the first option "Personal Settings" (see figure on the side).



This will open the settings subsection called "User Settings," as described in the following paragraph.

14.1. User Settings

From this screen, you can configure user settings.



Once you've changed any setting from the ones already saved, the button Save button in the top right corner will become active, allowing you to save the newly modified settings.

14.1.1. General

The "General" subsection contains general user settings:

- **Language**

  Language in which to display the Web App.

- **Unit of measurement**

  Unit of measurement used to display dispensed quantities.

14.1.2. Date and time

The "Date and Time" subsection contains settings related to date and time formats and time zone:

- **Date format**

Date display format (DD/MM/YYYY, MM/DD/YYYY).

- **Time format**

  Time display format (12-hour, 24-hour).

- **Time Zone**

  Time zone setting. This preference is used to identify the geographic region from which the Web App is being used.

14.1.3. Number Format

In this subsection, you can modify the settings related to number display formats within the Web App:

- **Thousands separator**

  Type of thousands separator (space, apostrophe, comma, period, etc.)

- **Decimal separator**

  Decimal separator type (period, comma, etc.).

14.1.4. Theme

In this subsection, you can set the theme (Light mode or Dark mode).

Note

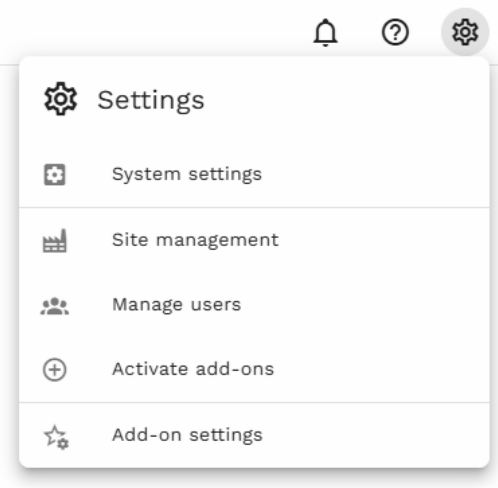
The Dark Mode setting will be saved locally and reset to its default value in these two cases:

- upon manual logout
- when browser data is cleared

This setting is not saved at the B.SMART user level.

14.2. System settings

The system settings section can be accessed via the gear icon in the top-right corner of the app header.



The menu items within the dropdown menu that opens when you press the button are divided into categories and mirror the structure found on the Settings page, in the following order:

- System settings
- System Settings
- Add-on Settings

14.2.1. General

From this section, you can modify the general system settings:

- **Manual Registration Numbers**

  You can choose whether to manually enter registration numbers from the mobile app or let them be created only by the web app.
  Note: If the “Fuel Economy” add-on is active, this setting is automatically set to “NO” and cannot be changed as long as the add-on remains active.

- **Optional fields**

  Enable this preference if you want to manage two additional master data fields for fuel dispensing.
  You can assign any name you like to identify the new fields.
  There are two types of additional fields: optional field 1 accepts only positive integers (the maximum allowed value is 65535), and optional field 2 is alphanumeric (maximum 16 characters).

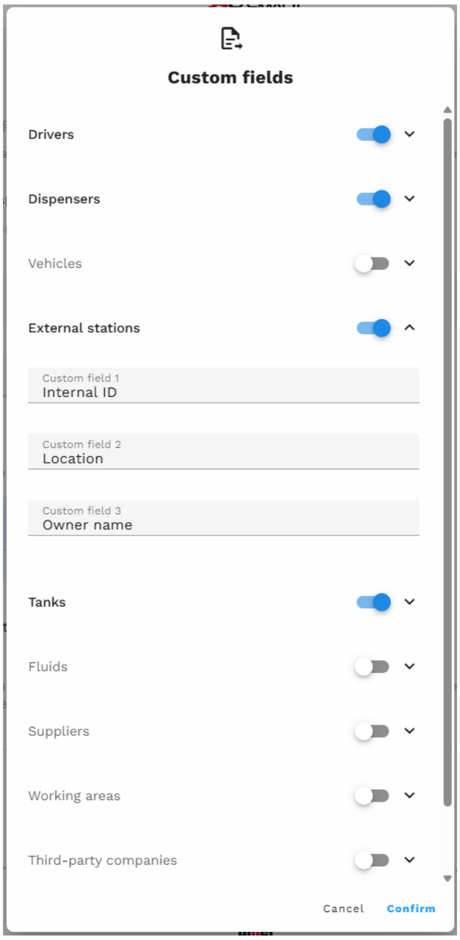
- **Enable receipt receipt on mobile app?**

  Disabling this feature will prevent receipts from being generated on the mobile app following a successful dispensing.

- **Enable custom fields for the Export API**

  By enabling this feature, you can assign custom fields for the main entities via the web app. These values are added to the entities in Export API read calls and in export logs (*see chapter 10.4*). They are not displayed in any reports. They are useful for mapping B.SMART entities with ERP.

  Using the configuration form, you can choose which entities to enable this feature for, and for each one, you can customize the names of the custom fields.



When custom fields are enabled, you can assign **3 attributes,** with a maximum of **40 alphanumeric characters.**

After enabling this feature, a new tab appears for each entity. The entities subject to custom fields are:

- Drivers;
- Devices;
- Registration Number;
- Fluids *(with Tank Watchdog enabled)*;
- Suppliers *(with Tank Watchdog enabled)*;
- Tanks *(with Tank Watchdog active)*;
- External Stations *(with Fuel Economy enabled)*.

You can assign custom fields directly to new entities (drivers and Registration Numbers) via import from an Excel file (see section 8.7) or via import from the Export API.

These fields are added to the read model via the Export API:

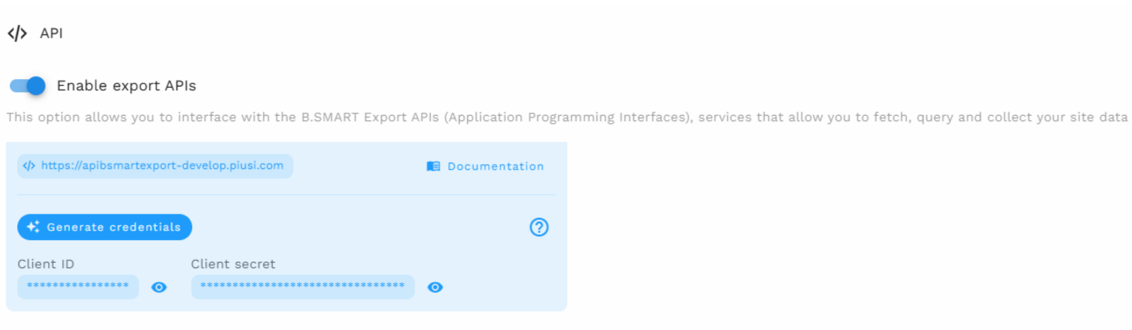
```
DRIVER
{
  "email": "string",
  "firstName": "string",
  "iButtonCode": "string",
  "id": 0,
  "idImage": 0,
  "image": "string",
  "lastName": "string",
  "pinCode": "string",
  "status": "O_ENABLED",
  "totQtDispensed": "string"
  "customFields":
    {
      "customField1": "string"
      "customField2": "string"
      "customField3": "string"
    }
}
```

NOTE: If all 3 custom fields are empty strings, the *customFields* will be **null**.

```
  "customFields": null
```

You can also export custom attributes using the Export tool.

14.2.2. API



From this section, you can enable API integration. APIs (Application Programming Interfaces) are a service that allows you to retrieve data from your system.

To make API calls, you must use the provided credentials and generate a token.

The procedure is described in detail on the documentation page, along with the list of data structures that can be retrieved.

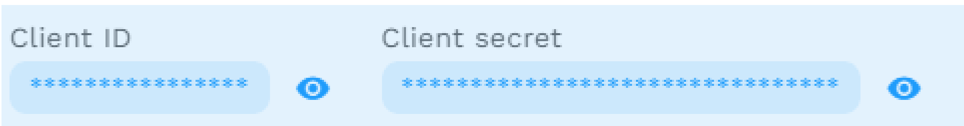
The links at the top represent, respectively:

- the URL path for the Export APIs
- the link to the Export API documentation

By pressing the button 

will generate new credentials to authenticate and use the Export APIs.

The two sensitive fields, “Client ID” and “Client Secret,” will be hidden. Simply click the eye icon on the right to temporarily reveal the underlying values.

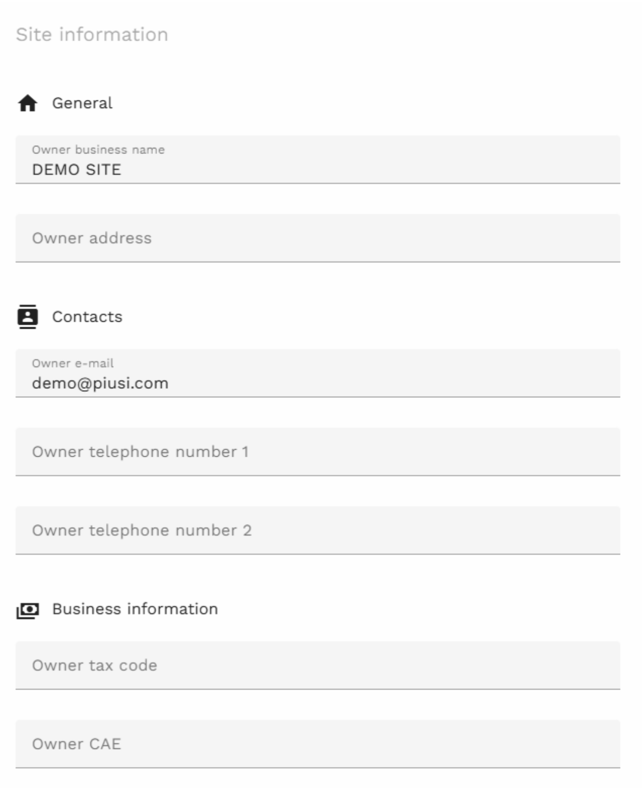


14.3. Site Management

14.3.1. Information

In this section, you can enter the plant information:

- Owner Company Name
- Owner’s address
- Owner's email
- Owner's phone number 1
- Owner's phone number 2
- Owner's tax ID
- Owner CAE



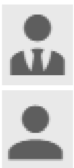
14.3.2. Users

From this screen, you can add, edit, disable, and delete users who have access to the Web Application. A disabled or deleted user will no longer be able to access the system via the Web Application.

Specifically, the following information is displayed:

- **User role**

  User privilege level:



Administrator user. Has full control over the system

Viewer user. Can only view data, but cannot add, edit, or delete system elements (drivers, registration numbers, devices)

- **Username**

  Unique identifier used by the user to access the Web Application.

- **Nickname**

  Identifier used to recognize the user.

The details of user privileges are described in the following table (**A**: administrator, **V**: viewer):

Section	Action	A	V
Drivers	View drivers	YES	YES
	Add driver	YES	NO
	Edit driver	YES	NO
	Delete driver	YES	NO
	Disable/Enable driver	YES	NO
Reg. No.	Display Reg. Numbers	YES	YES
	Add Reg. Number	YES	NO
	Reg. Modification . Number	YES	NO
System	Dispenser display	YES	YES
	View pumps for a dispenser	YES	YES
	Display of drivers associated with a dispenser	YES	YES
	Edit dispenser	YES	NO
	Edit pump	YES	NO
	Edit dispenser/driver association	YES	NO
	Edit dispenser/vehicle association	YES	NO
	Disable/Enable pump	YES	NO
	Delete dispenser	YES	NO
Users	View users	YES	NO
	Add user	YES	NO
	Edit user	YES	NO
	Disable/Enable user	YES	NO
	Delete user	YES	NO
System Preferences	View user preferences	YES	YES
	Edit user preferences	YES	YES
	View active add-ons	YES	YES
	Activate New Add-On	YES	NO
	Activate a Deleted Device	YES	NO
Reports	View dispensing list	YES	YES
	View graph	YES	YES
	Edit Discharge	YES	NO
Tank Watchdog	Management of tanks, movements, suppliers, and prices	YES	NO
	View reports on transactions and price trends	YES	YES
Fuel economy	Edit vehicle, category, and external station records	YES	NO
	Enter an external fueling	YES	NO
	Reset remaining quantity	YES	NO
	Modify module preferences	YES	NO
	Viewing reports on vehicle fuel consumption and driver fuel consumption	YES	YES
Maply	Edit master data for operational areas, third-party companies, and third-party registration numbers	YES	NO
	View the map report of fuel dispensing	YES	YES
	Edit Maply Add-on preferences	YES	NO

14.3.3. Add-ons

From this screen, you can view the list of active add-ons for your system and activate new ones.

After purchasing a new add-on, to activate it, you must click the New add-on.

A modal window will open (see figure below) where you must enter the code for the purchased add-on in the text field. You will then need to press the **Confirm** button in the bottom right corner to confirm activation.

You must follow the same procedure if you want to renew an expiring add-on code.

Warning!

You cannot activate the same add-on code on different systems.

14.3.3.1. Add-on Expiration and Renewal

The lifecycle of any expiring add-on is illustrated by the following diagram:

Valid

- ADD-ON Valid
- You can use all the new features.
- You can renew the ADD-ON by entering a new code in the Settings > ADD-ON section.

Expired

- ADD-ON Expired (the validity period of add-ons varies depending on the type of add-on purchased)
- The ADD-ON features are disabled.
- Renewal is permitted for an additional 30-day period after the expiration date.

Deleted

- ADD-ON Deleted
- Data entered using the new features enabled by the add-on will be **permanently**deleted.

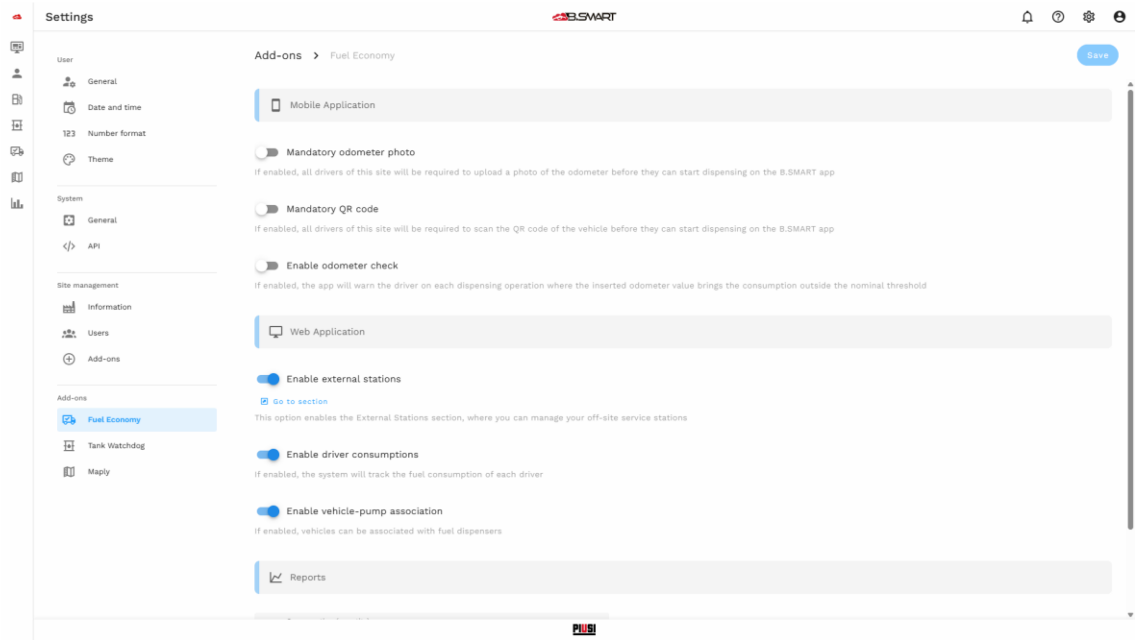
Note

- When the add-on is nearing expiration, a reminder is sent to the portal user's email address.
- "One-time fee" add-ons never expire.
- When an add-on expires (but is still renewable), a warning indicator will appear on pages dependent on that add-on, and a warning message will be displayed on each of those pages.
- When the "Tank Watchdog" Add-on expires, tank levels are not synchronized. Therefore, if you decide to renew the Add-on, you will need to adjust all virtual tanks with the correct quantity.

14.4. Add-on Settings

14.4.1. Fuel Economy

From this section, you can modify the system settings that control the functionality of the “Fuel Economy” add-on.



The preferences you can adjust are as follows:

- **Enable mandatory upload of odometer photo**

  If this preference is enabled, the mobile app will always prompt you to attach a photo of the vehicle’s odometer to the fueling transaction.

- **External Stations**

  Enable this setting to manage the database of gas stations where fuel is dispensed outside the facility.

- **Mandatory QR code**

  If this setting is enabled, the driver is required to scan the vehicle’s QR code before beginning the refueling process.

- **Enable fuel consumption tracking for individual drivers**
  If this setting is enabled, fuel consumption will be tracked for individual drivers at the facility.
- **Enable vehicle association at the pump**
  If this setting is enabled, vehicles can be associated with the pump.

<u>Note</u>: When this feature is enabled, all vehicles are initially associated with all fuel dispensers.

- **Units of measurement for consumption**
  Select the unit of measurement to display data in the consumption report.
- **Time unit for consumption**

  Select the time unit in which to display the data in the consumption report.

- **Enable odometer entry check**

  If this setting is enabled, the odometer reading entered by the driver is verified. The entered number must not exceed the maximum distance or time a vehicle can travel on a full tank.
  Example: If a vehicle has a tank capacity of 50 L and a standard fuel consumption of 20 km/L with a 5% tolerance, the odometer reading entered cannot be greater than

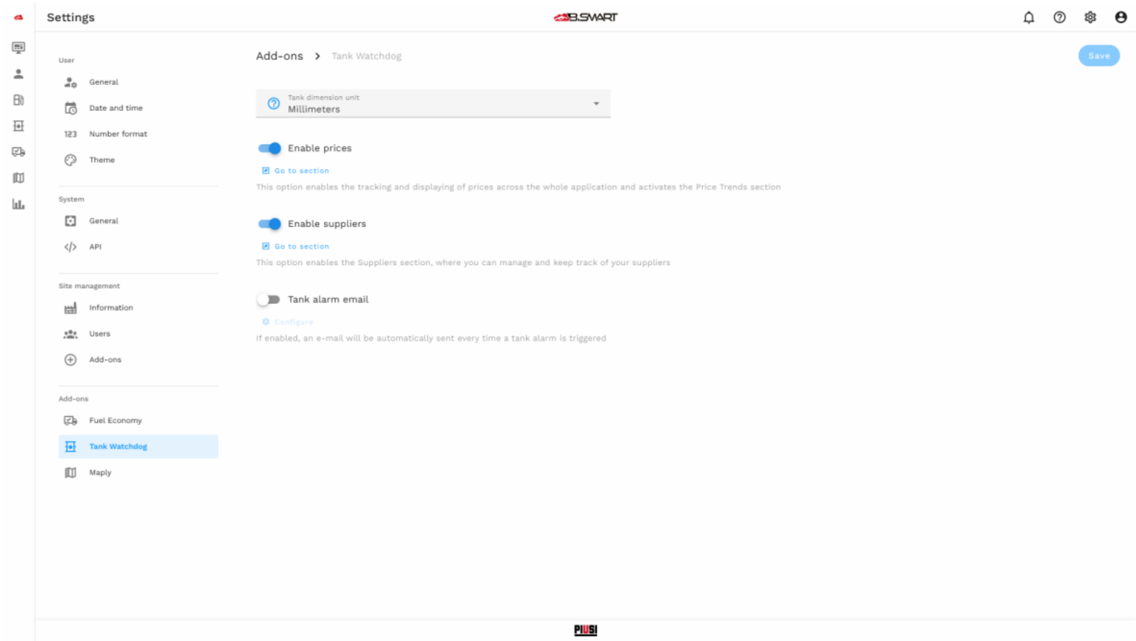
$$50\,L \cdot (20\,Km/L + 1\,Km/L) = 1050\,Km$$

compared to the previously entered value.

In this case, the driver performing the refueling is notified that they are entering an anomalous value. The driver can always force the entry of the value.

14.4.2. Tank Watchdog

From this section, you can modify the preferences of the Tank Watchdog add-on.



- **Tank Units of Measure**

  The unit of measurement used to express the dimensions that characterize the tank geometry, selectable from:
  - Millimeters
  - Inches

- **Enable prices**

  If this option is enabled, when creating a fuel transaction, you will be prompted to enter the total cost of the fuel purchased. This data is used to calculate the unit price of fuel, which can be viewed in the "Unit Price Trends" section (*see chapter 11.5*).

- **Enabling Suppliers**

  Option to enable or disable supplier management within the Tank Watchdog add-on

- **Email enablement**

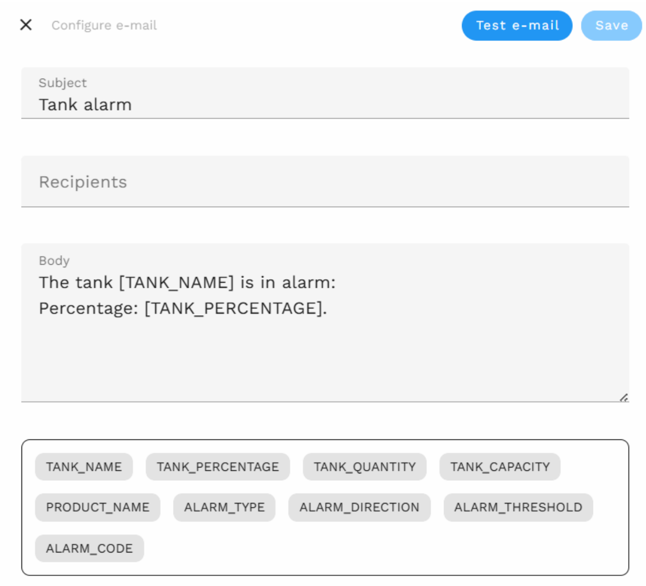
  Option to enable the sending of emails notifying the status of tanks.
  Enabling this option will send an email every time a tank changes from a normal status to an alarm status.

  Click the button Configure to configure email sending options.

  From this section, you can specify the details regarding the emails that are sent:

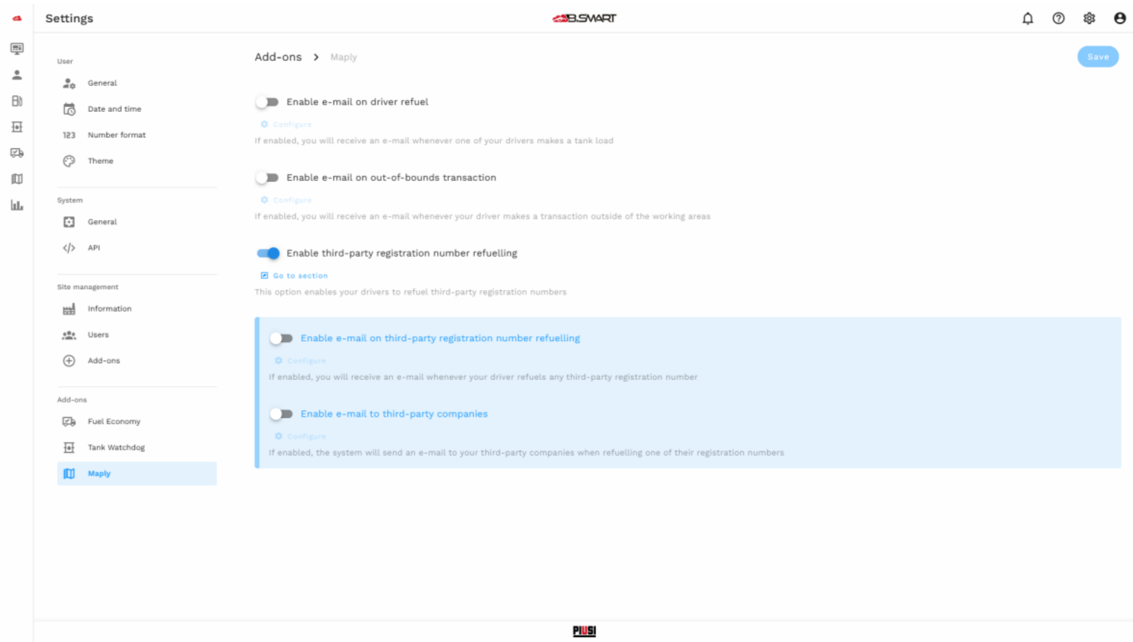
  - **Email subject**
  - **Recipients**
  - **Email body**

    In the email body, you can use placeholders, which will be replaced with the actual values of the tank's properties.



14.4.3. Maply

From this section, you can modify the Maply add-on preferences:



- **Receive an email if your driver performs a transfer:**

By clicking the button Configure you can set:

- The email subject
- Email recipients
- The body of the email
- Date format
- Time format
- Unit of measurement for quantities

- **Receive an email if your driver makes a delivery to a third-party registration number:**

By clicking the button Configure you can set:

- The email subject
- Email recipients
- The body of the email
- Date format
- Time format
- Unit of measurement for quantities

- **Allow your operators to make deliveries to third-party registration numbers:**

If enabled, this allows you to manage third-party company records and third-party registration numbers.

- **Send an email to third-party companies when a refueling is performed on one of their registration numbers:**

If enabled, upon completion of a refueling for a third-party registration number, the driver can choose to send an email notifying the company that a refueling was performed on their registration number.

By clicking the button ⚙ Configure you can set:

- The email subject
- The body of the email
- Date format
- Time format
- Unit of measurement for quantities

The email address of the recipient of these notifications can always be set by the driver; the address entered in the company's master data is suggested as the default.

⚠ **Warning!**

To use this feature, you must enable receipt of receipts on the mobile app

- **Receive an email if your driver makes a delivery outside the operational area**:

If this option is enabled, for deliveries made outside the operational areas from devices with the "Delivery Management" option configured to "Report deliveries outside operational areas" (*see chapter 6.2.5*), a notification email will be sent.
The email will contain details of the delivery and the distance from the nearest service area.

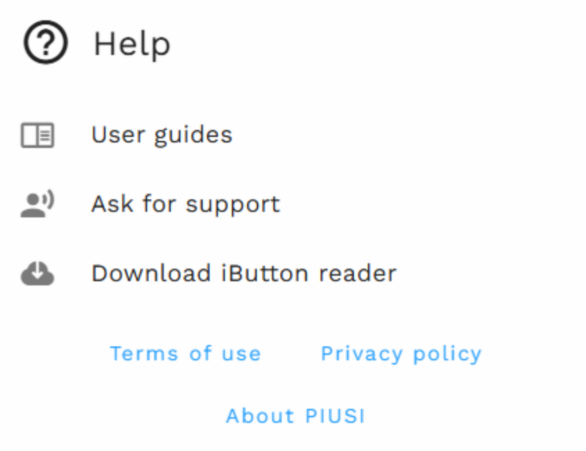
By clicking the ⚙ Configure , you can perform the following actions:

- Configure the email recipients;
- Set the language of the email content;
- View a preview of the email;
- Send a test email to verify that the recipients are correct.

15. SUPPORT

From the "Support" section, accessible via the button in the system header, you can perform various operations:

- Download manuals
- Request support (you will be redirected to the official PIUSI support page)
- Download the *"PIUSI iButton Reader"* tool



NOTE: The *"PIUSI iButton Reader"* tool works exclusively on the Windows platform and can also be downloaded from the following link: https://wswebssm.piusi.com/ibuttonreaderpiusi/setup.exe.

There are also buttons to view:

- Web App Terms and Conditions
- Web App Privacy Policy
- Information about PIUSI

16. FAQ

- **How do I activate the Maply add-on?**

To activate the MAPLY add-on, you must have purchased a MAPLY add-on activation code. The code must be entered in the Add-On section (see chapter 8.3).

- **What features does the Maply add-on offer?**

With the MAPLY add-on, you can:

- Geolocate fuel dispensing transactions and view them on a map.
- Track deliveries not only using your own vehicles but also third-party vehicles.
- Group fueling events into defined areas, restricting their operability (geo-fencing).
- Manage transfers from one storage tank to another (only if the Tank Watchdog add-on is active)
- Filter reports to show dispensing operations performed in a specific operational area or for a specific company.
- Export GPS coordinates and other dispensing data to third-party systems.

- **Can I use the Maply add-on without the Fuel Economy add-on?**

Yes, the absence of the Fuel Economy add-on does not prevent you from using the features introduced by the Maply add-on.

- **Maply: How do I configure an operational area?**

Operational areas can be configured from the dedicated “Operational Areas” submenu in the Maply Add-On section (*for more information, see the chapter 12.1*).

- **Maply: Is there a maximum number of third-party companies and third-party registration numbers that can be entered?**

No, there is no maximum limit. You can enter as many third-party companies and third-party registration numbers as you wish.

- **Does the Maply add-on allow me to view/track the complete route of the vehicles?**

No, the Maply add-on allows you to see where individual deliveries were made; it does not include any functionality that allows you to record vehicle route tracks.

- **Can the Maply add-on settings be modified?**

You can always modify the Maply add-on settings via the configuration submenu.

- **Where can I find the iButton key code?**

The iButton key code is printed on the back of the key. The code consists of 7 alphanumeric digits highlighted in the image:


- **How can I change the email address of a B.SMART Web App user?**
- **How can I add more users to the Web App?**
- **How can I enable a driver to dispense fuel?**

You must associate the driver with the desired charging station to allow them to perform a charging session from it.