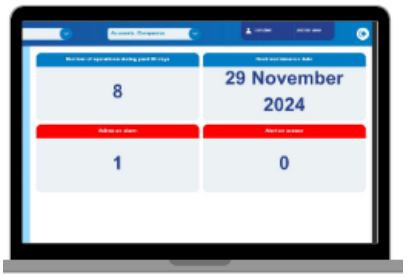
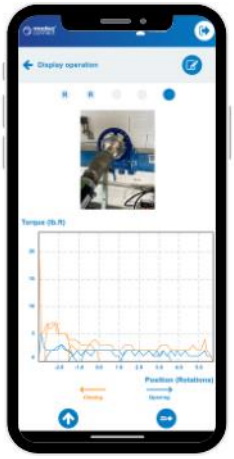
USER MANUAL

Web app

Mobile app





Scan this QR code to see this user manual in other languages

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I. General presentation

1. About Modec connect

- What is Modec connect

Modec connect is a **smart and simple** monitoring system for **manual valves.** It is composed of a sensor, an Android and IOS App, and a web App. It enables to record, store and analyze your valves' data in a simple way.

The intelligent sensor connects to the range of modec portable valve actuators, allowing for the measurement of torque, speed, and the number of turns of a valve during operation.

- What can you do with Modec connect ?

Centralize valves data

Modec connect enables you to input your valve data and conveniently access your valve list and related information anytime, whether it's through your smartphone or computer.

Collect data during operations

With the smart sensor and the apps, you will be able to collect torque, speed, number of revolutions and rotation direction during your daily operation without any modification of your existing setup.

Follow-up valves statuts

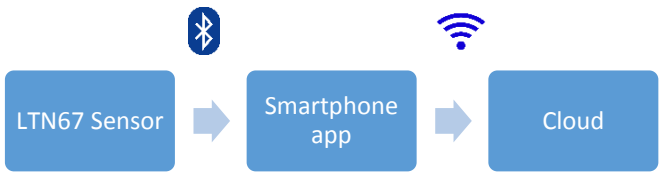
Modec connect allows you to utilize operational data such as torque and speed of your valve. You can compare operation curves of the same valve to track its condition and facilitate preventive maintenance implementation.

Trace your work

With Modec connect, you can export the key operation data into several format, enabling you to maintain a record of your work or share it with your team effortlessly.

2. How does it work ?

The Modec connect sensor will connect directly to your portable valve actuator and adapters for operation. Data captured during operations will be transmitted to the Modec connect App on your smartphone via Bluetooth. Subsequently, your phone's data will be forwarded to the web app server via Wifi or 4G.



- About the sensor

The smart sensor communicates by Bluetooth with Modec connect phone App. It measures torque and speed of the valve during the whole operation. This sensor is design to adapt

perfectly to rest of modec's products. It's a plug & play solution. You will find all the related data in the **Sensor's user manual**

- Mobile & web app

Modec connect includes, in addition to the sensor, a mobile app available on iOS and Android, as well as a web app accessible from any device with an Internet connection.

The mobile app and the web app do not contain the same functionalities. Nevertheless, several functions remain available on both channels to offer you greater flexibility and optimal use.

II. How to connect to modec connect apps?

3. Contact modec connect to obtain your login and password

Contact modec at modec-connect@modec.fr or +33 (0)4 75 40 27 15 and provide the following information:

- Company name
- The email address of the person who will administer the modec connect account (please note that this email address cannot be changed later)
- The serial number of your sensor

You will receive your login and password within 48 hours. Remember to check your spam
If you haven't received anything after 48 hours, contact modec : +33 (0)4 75 40 27 15

4. Get the apps

- Web app

To connect to the Modec connect web app :

- Go to modec website and go to modec connect > connection at the right of your screen **or** copy paste this link in your browser : https://modec-connect.modec.fr/
- Enter the login and password given by modec

- Mobile app

Android

Scan this QR code to download Modec connect on Playstore or search modec connect :

IOS

Scan this QR code to download Modec connect on Appstore or search modec connect :

- Authorisations

Once downloaded:

- Make sure you authorized the app to access your device's location if you want to locate the valve with the smartphone satellite system.
- Make sure to authorize the app to detect devices at proximity and to connected, if you want to use the smart sensor

Otherwise, you need to go in your phone settings to accept those conditions to be able to use Modec connect at its fullest potential.

III. Web app

Access to this feature is subject to subscription restrictions; please consult the subscription table to check your eligibility (Appendix 2)

5. Log in to the app

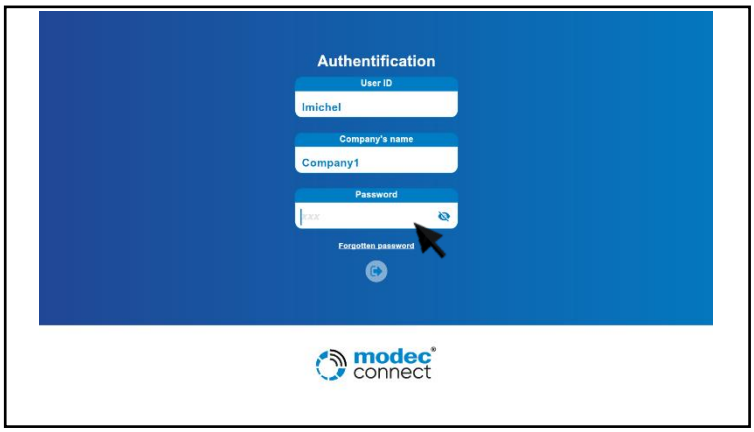
Use the login and password provided by modec

Link of the app : https://modec-connect.modec.fr/

6. Change your password

Once you have logged in with your modec login and password, please confirm your e-mail address via the link you received by e-mail to finalize your account creation.

You can then change your password:



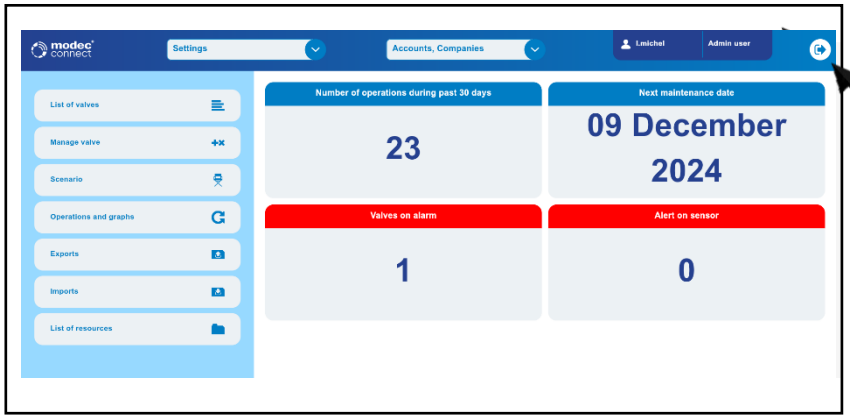
- Go to the authentication page and click on "Forgotten password”
- You will receive a password reset link at your email address

7. Basics

GO BACK

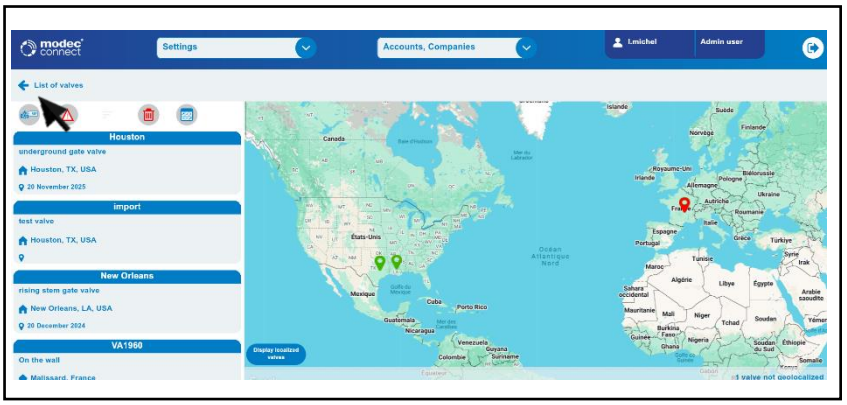
- Click on the Modec connect logo to return directly to the home page when you're in another menu.

LOGGING OUT



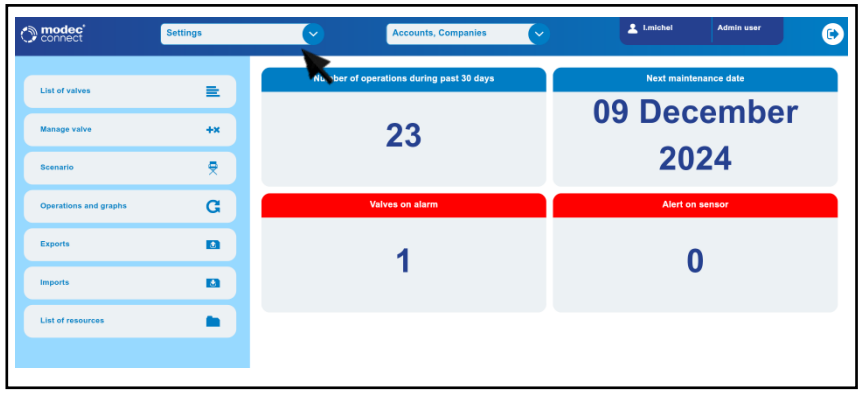
- To log out, click on the arrow icon in the blue banner at top right.

PREVIOUS SECTION



To return to the previous section, click on the blue arrow at top left.

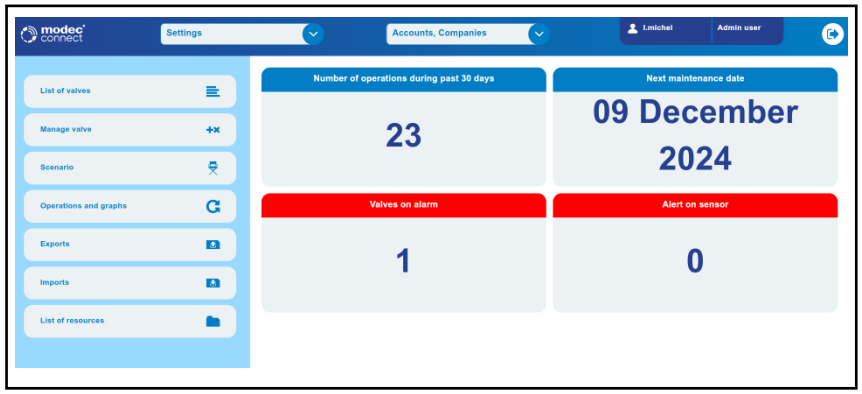
PARAMETERS



In this menu, you can choose :

- Language
- Unit system

ACCESS TO THE MENUS

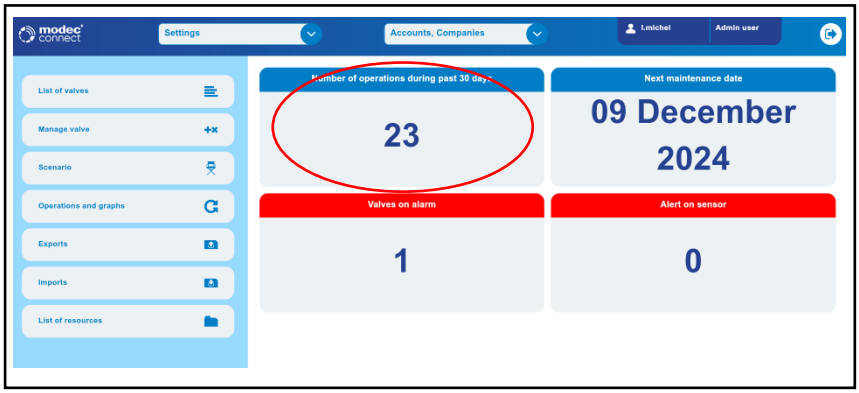


All features are available from the menus on the left.

8. Dashboard

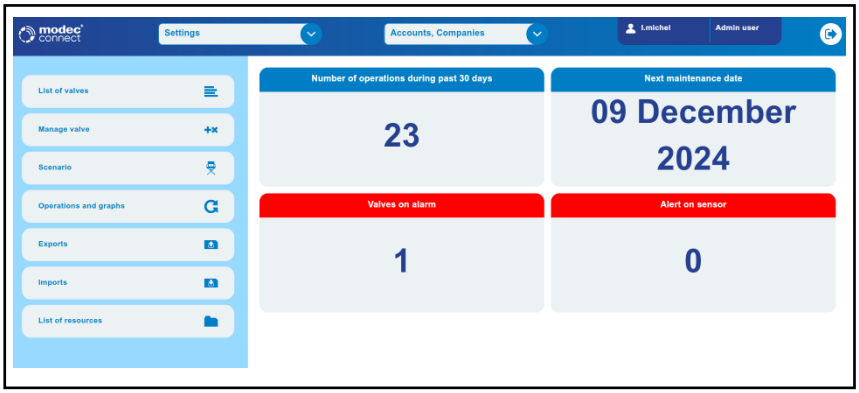
Access to this feature is restricted to certain users; please consult the table of user levels to check your rights (Appendix 3).

- Number of operations during past 30 days



You can see the number of operations during the past 30 days realized with modec connect. This box isn't clickable

- Next maintenance date

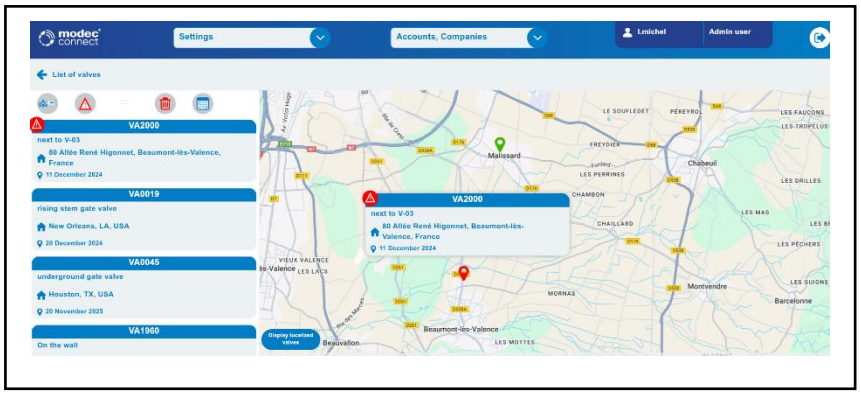


Click on this box to display the valve list sorted by maintenance date

- Valves on alarm

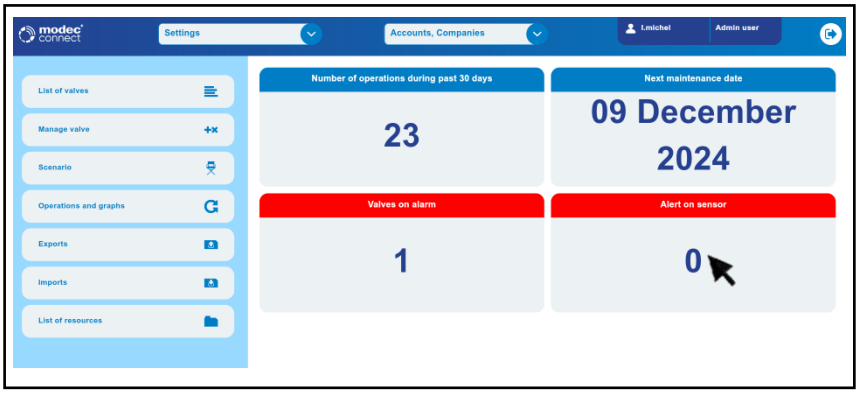
Click on this box to display the valve list sorted by valves on alarm.

Please note that a valve can be marked "on alarm" only after an operation has been performed on it.



- Valves on alarm are indicated by a awarning sign in the list
- On the map, they are indicated by a red icon

- Sensors' information



- Click on the "Sensors on alert" box to view a list of all your sensors.
- You can also see which sensors are on alert. They are color-coded

Serial number	Sensor fell	Calibration date
16048000008	0	01 March 2025
16048000009	0	01 March 2025
18725000006	0	01 March 2025

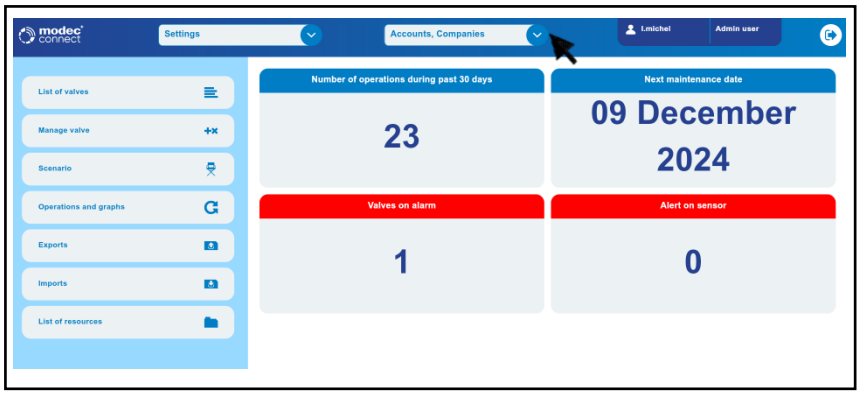
Calibration must be performed within one month
Calibration must be performed within one week
Overdue calibration date

1. Please note that you can continue to use a sensor on alert, but you will be notified before and after an operation
2. If you have calibrated your sensor but it's still on alert in this menu, you'll need to perform a new operation to bring the sensor back up to date.

9. Accounts, Companies

This menu is for managing your accounts, so you can create or edit accounts linked to your company.

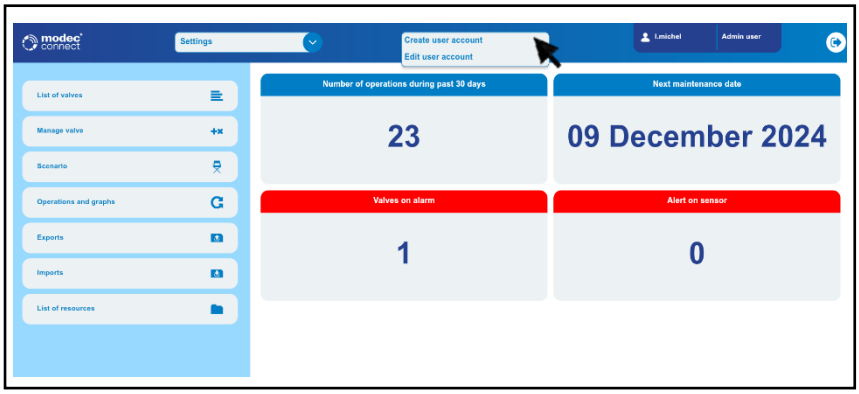
Access to this feature is restricted to certain users; please consult the table of user levels to check your rights (Appendix 3).



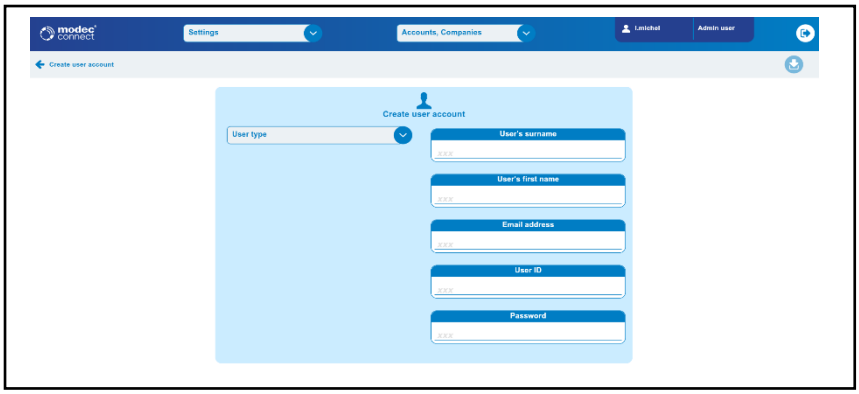
Click on « Accounts, Companies »

- Create a user account

❖ **Homepage > Accounts, Companies > Create a user account**



Click on « Create a user account»



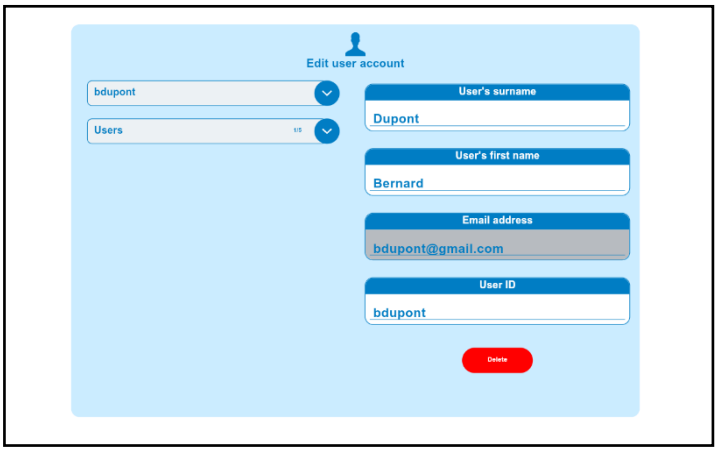
Select user type
Fill in the required fields

- Please note that the new user will need these credentials to log in.
- The customer code is the same for all accounts in the same company.

- Edit user account

❖ **Accounts, Companies> Edit user account**

- Click on « Edit user account »

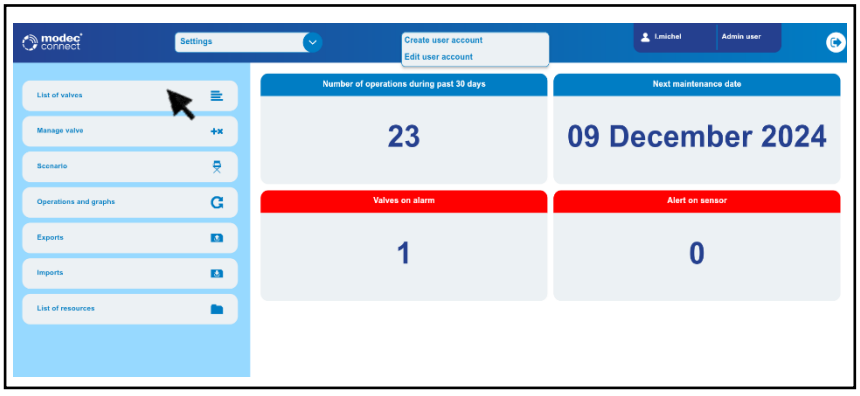


- Select the user account to edit
- Edit the information (except the mail address)
- Save your modifications

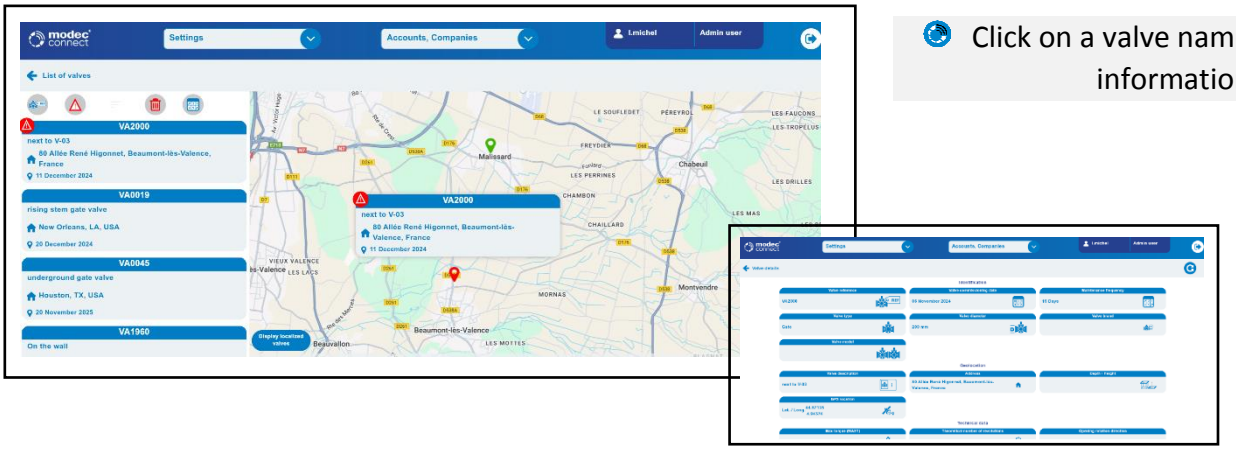
10. List of valves

This feature gives you access to all your valves and their information.

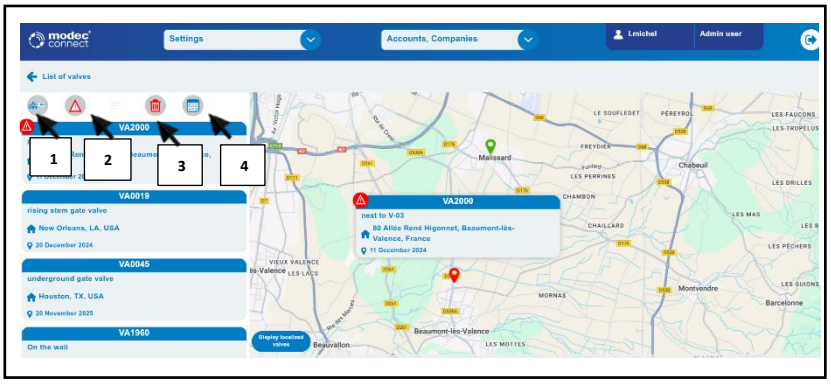
Note that if you haven't created any valves yet, this list will be empty.



- Click on « List of valves »



Click on a valve name to see its information



You can filter your valves by :
1.reference
2.valves on alert
3.valves to be deleted
4. Maintenance date

11. Manage valve

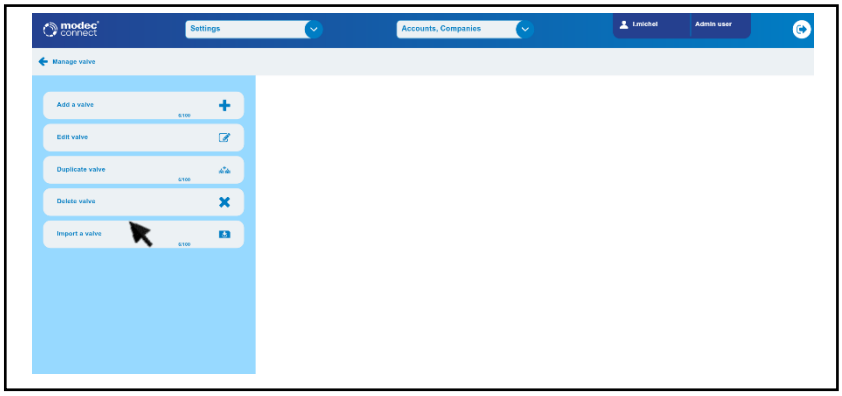
- Add a valve

This feature is subject to variable quotas depending on your subscription; please check the subscription table for your eligibility (Appendix 2).

Access to this feature is restricted to certain users; please consult the table of user levels to check your rights (Appendix 3).

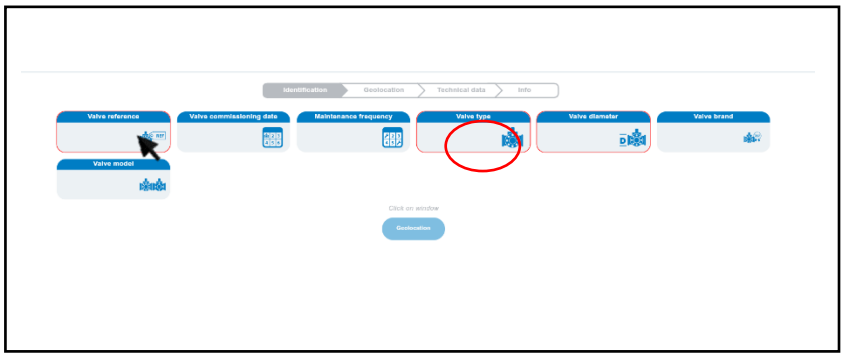
❖ **Home page > Manage valve > Add valve**

Click on « Manage valve »

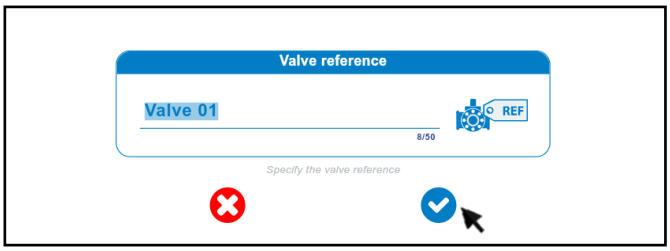


- Click on « Add a valve »

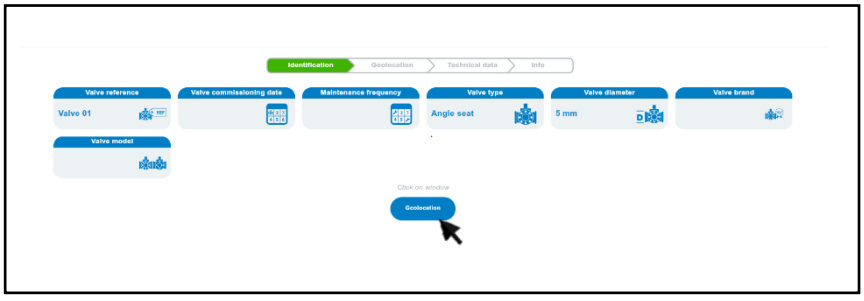
- You can see the number of valves you already created



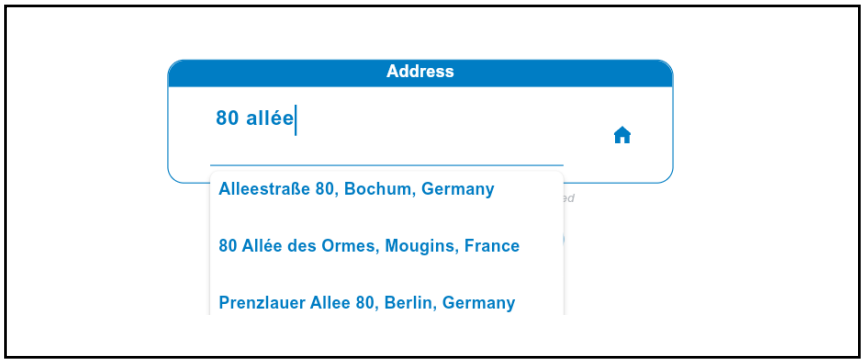
- Fill in the required fields.
- Fields in red are mandatory.



- Confirm the field by clicking on the blue arrow
- Erase the content by clicking on the red cross



- You can go to the next step, only when all the compulsory fields are completed



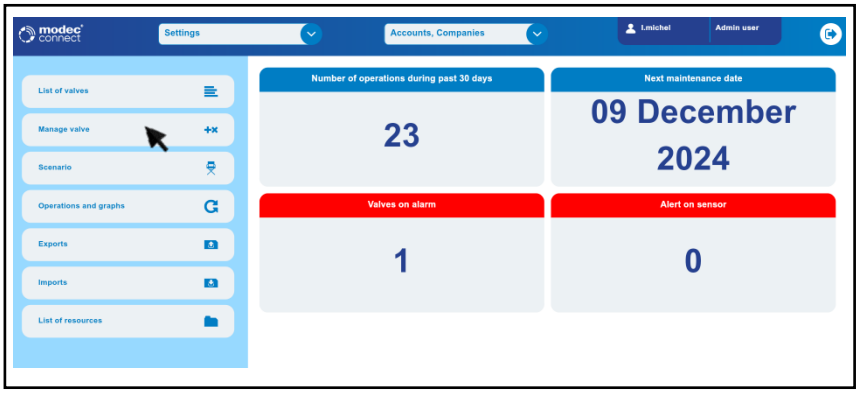
You can enter an address. Start writing it to see it in the proposals. If it does not appear, the address is unknown to google map.

Don't forget to save

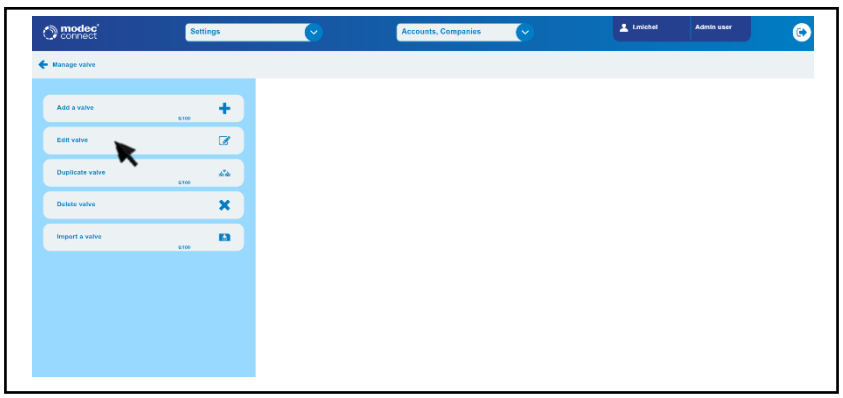
Please note that the geolocation of your valve is only valid on the mobile application.

- Edit valve

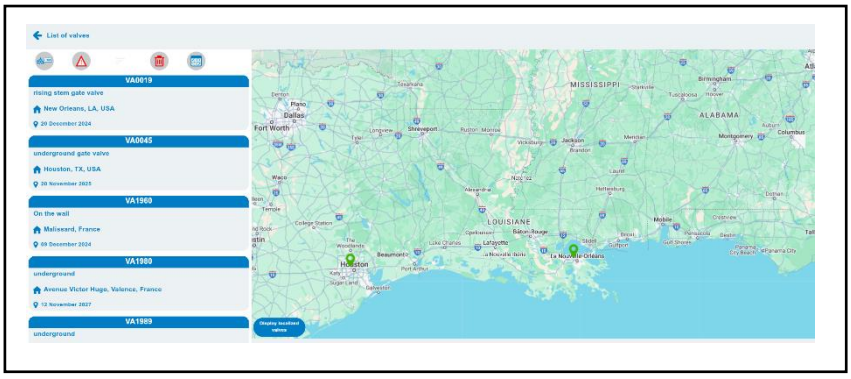
Access to this feature is restricted to certain users; please consult the table of user levels to check your rights (Appendix 3).



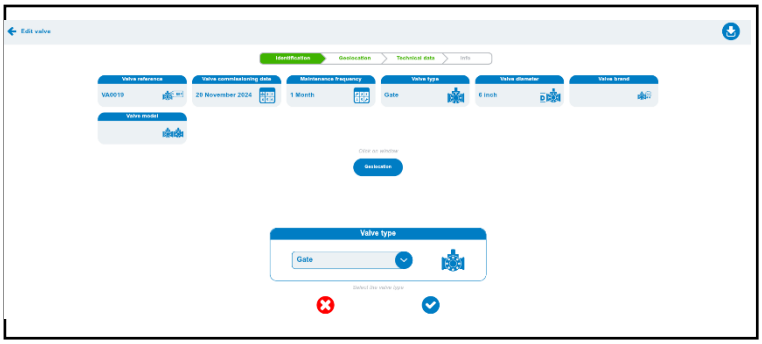
Click on « Manage valve »



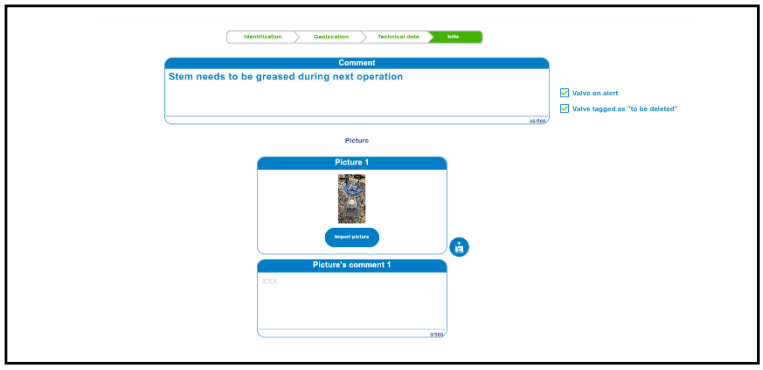
Click on « Edit valve »



Click on the valve you want to edit in the list or on the map



Edit the information you want



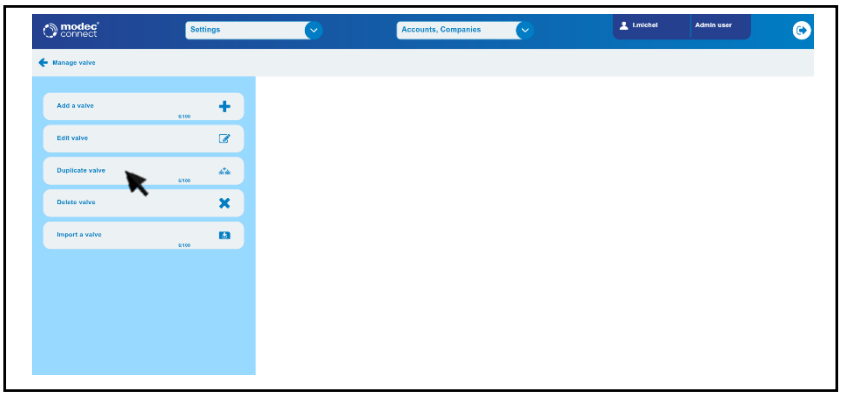
In the "Info" tab, you can edit the "Valve on alarm" and "Valve to be deleted" statuses by checking and unchecking the associated boxes.

- Duplicate valve

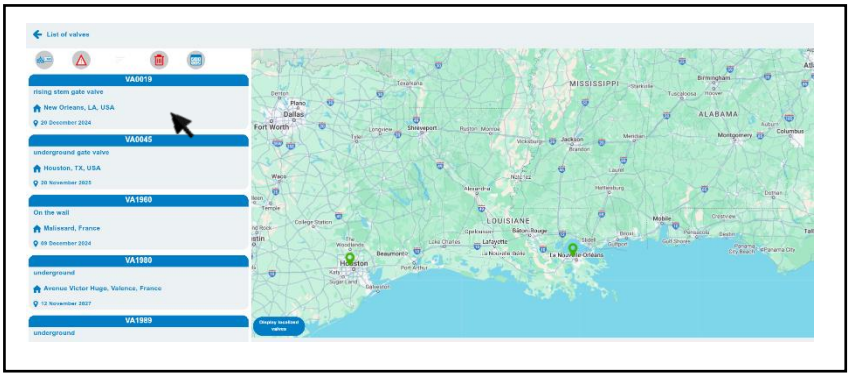
You can duplicate a valve when you need to create a new valve with the same characteristics as an existing one, in order to save time. All fields will be pre-filled with the characteristics of the valve you have chosen to duplicate. However, you can always modify the information if necessary. Some fields will require new information to differentiate the valves; these are indicated by a red box.

❖ **Homepage > Manage valve > Duplicate valve**

Click on « Manage valve »



Click on « Duplicate valve »



Select the valve to duplicate

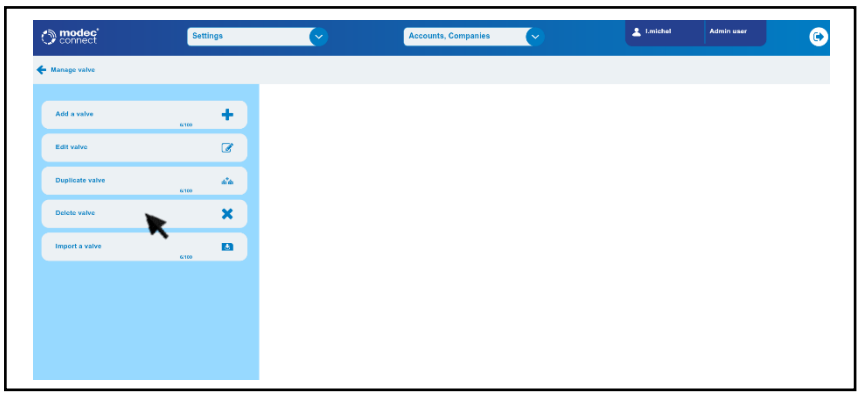
Enter the new valve reference
Edit information if necessary
Save

- Delete valve

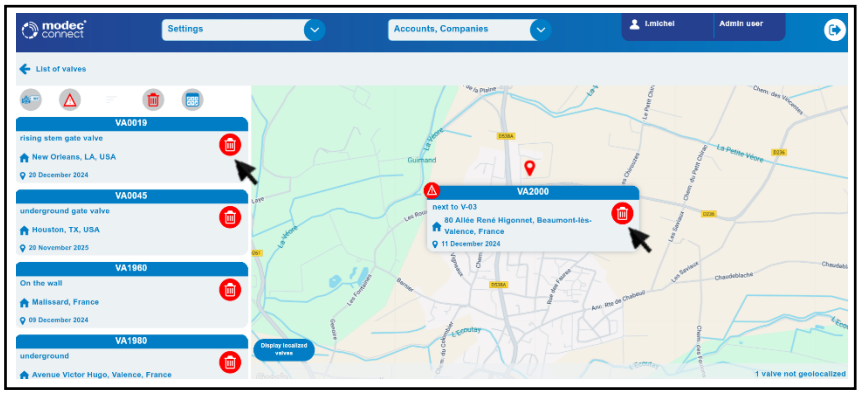
Access to this feature is restricted to certain users; please consult the table of user levels to check your rights (Appendix 3).

❖ **Homepage > Manage valve > Delete valve**

Click on “Manage valve”



Click on “Delete valve”



Click on the trash bin to delete a valve

Please note that the valve will not be deleted in the smartphone application, but marked as "**to be deleted**". You can only delete the valve via the **web application**.

You can remove the "**to be deleted**" alert (red garbage can at the top of the valve name) when you edit a valve, by unchecking the "**valve to be deleted**" box in the "info" tab.

12. Create scenarios and associate them to valves

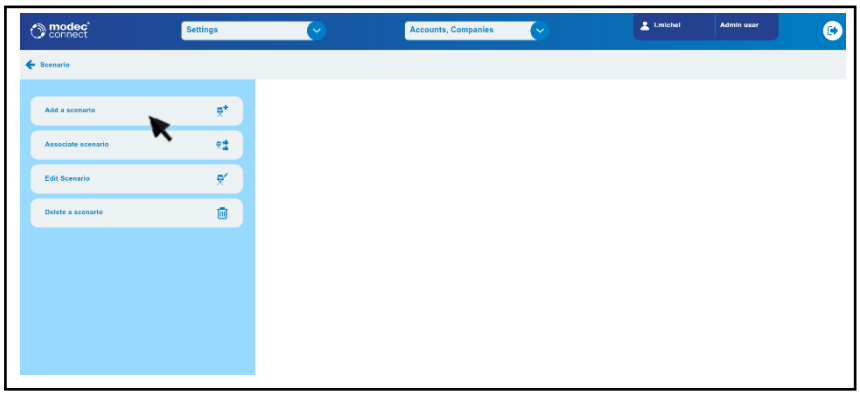
Access to this feature is restricted to certain users; please consult the table of user levels to check your rights (Appendix 3).

You can create scenarios with predefined steps for guided operations. You can organize up to 20 steps in the order of your choice to build your own scenario. With this function, you can generate a wide range of unique scenarios tailored to your specific needs. Please note that scenarios are mandatory for guided operations and curve comparison.

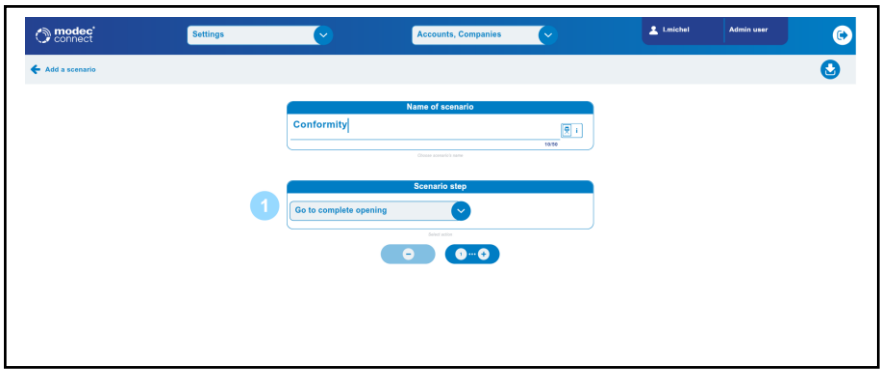
- Add a scenario

❖ **Homepage > Scenario > Add a scenario**

Click on « Scenario »

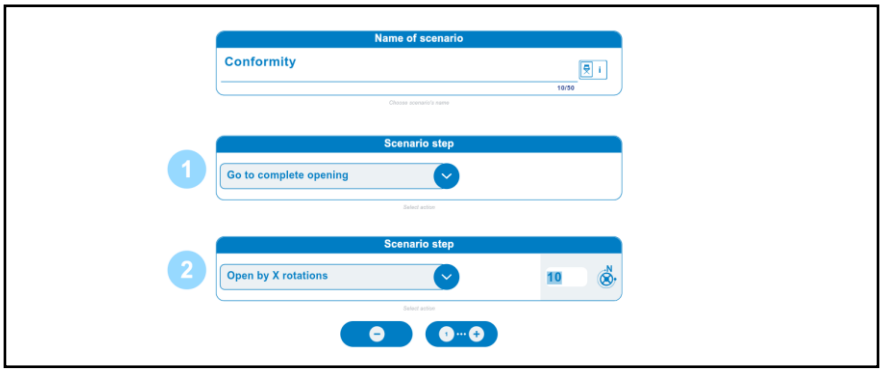


Click on « Add a scenario »

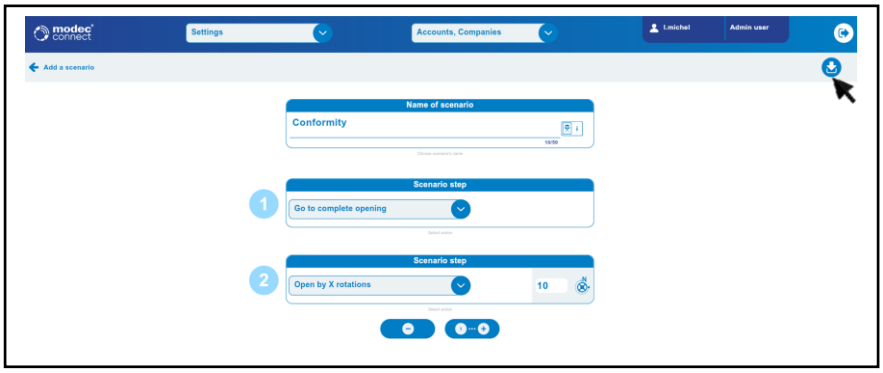


- Name your scenario
- Choose the first step from the 6 available by scrolling down

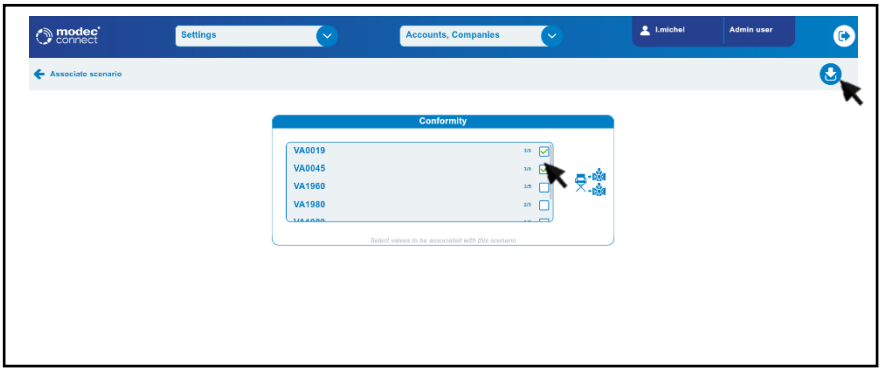
- Add steps by clicking on « + »
- Remove steps by clicking on « - »



- For the "Make x turns on opening" and "Make x turns on closing" steps, you need to enter the desired number of turns.



- Save



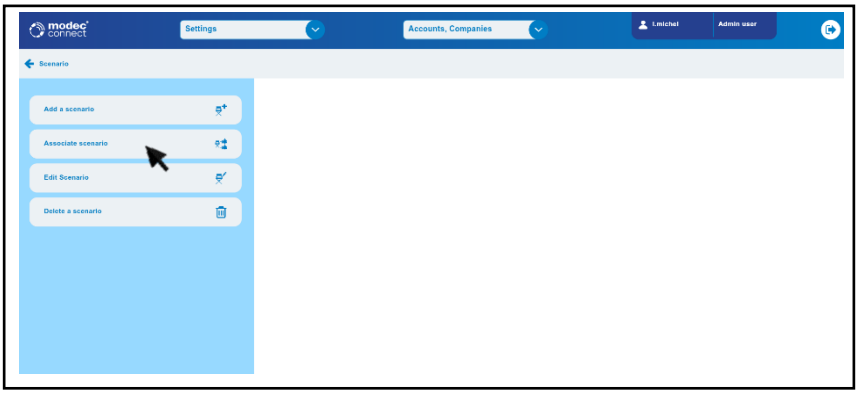
- You can associate your scenario to several valve by checking the boxes and save
- If you do not want to associate the scenario, go back to the menu
- Next to each valve, you have the number of scenario already associated

- Associate scenario

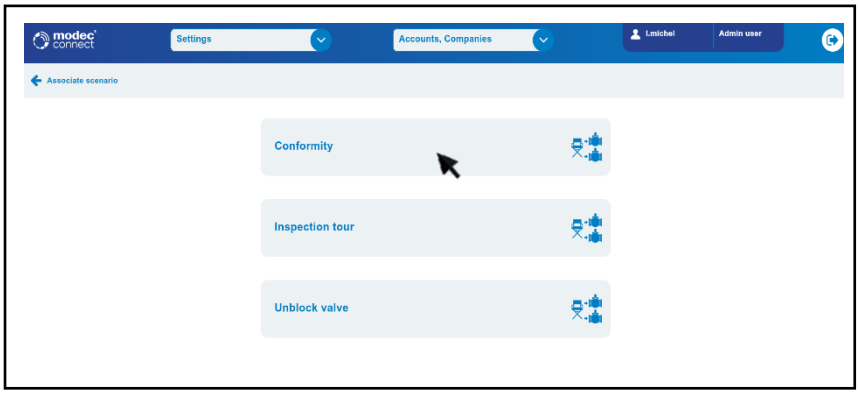
This feature is subject to variable quotas depending on your subscription; please check the subscription table for your eligibility (Appendix 2).

❖ **Homepage > Scenario > Associate a scenario**

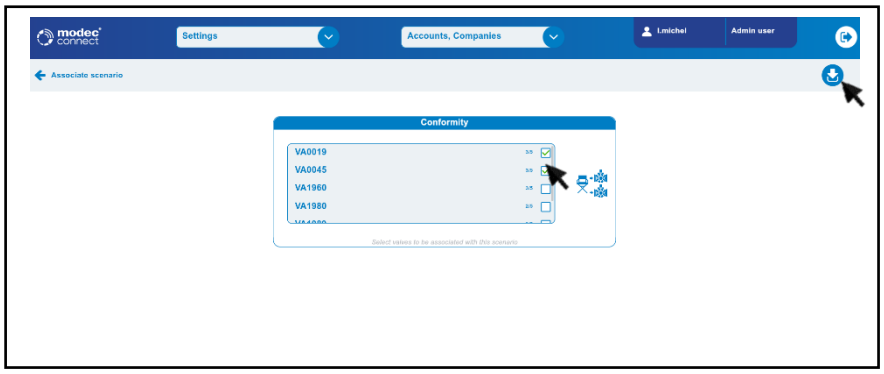
- Click on “Scenario”



- Click on “Associate scenario”



- Click on a scenario

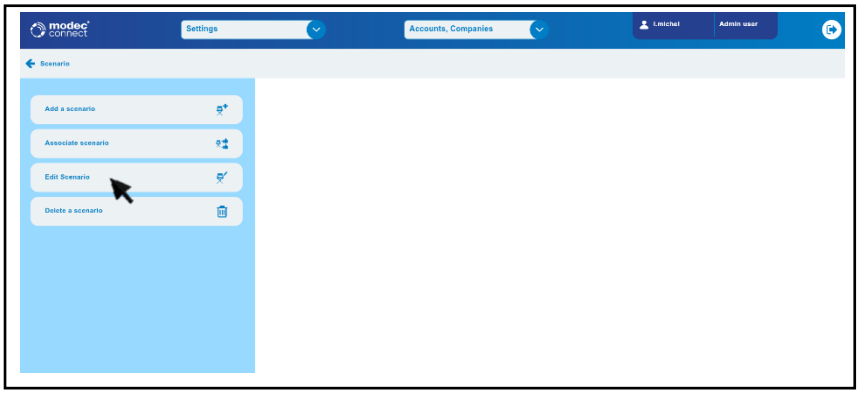


- Click on the valves you want to associate the scenario with
- Next to each valve, you have the number of scenario already associated compared to number left
- Save

- Edit Scenario

❖ **Homepage > Scenario > Edit scenario**

- Click on “Scenario”

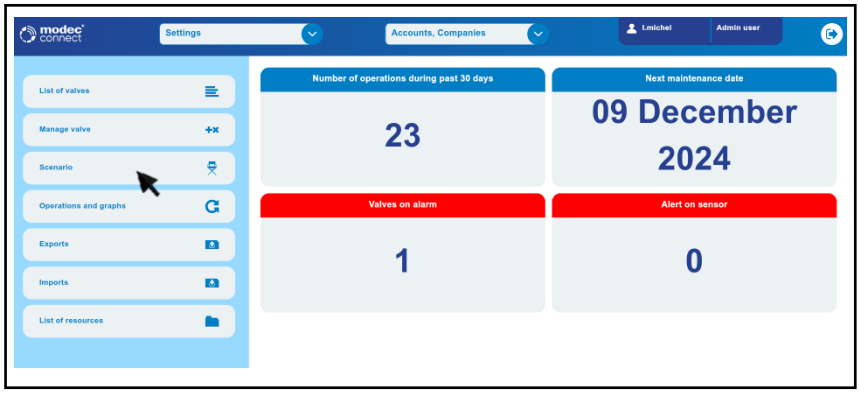


- Click on “Edit scenario”

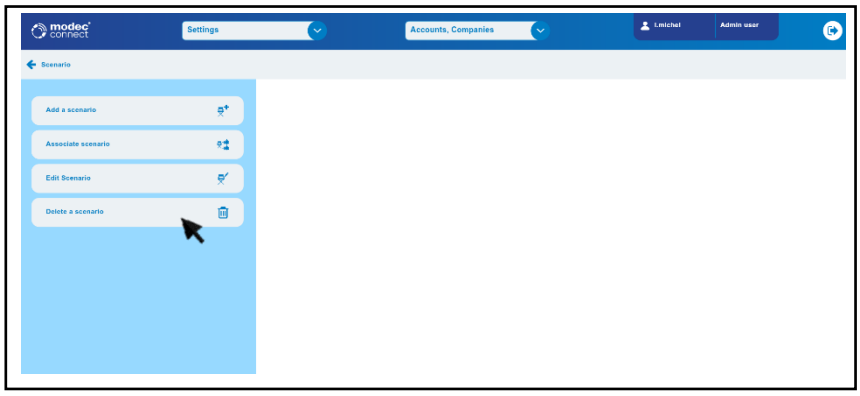
You can only edit a scenario if you did not perform any operation with it beforehand.

- Delete Scenario

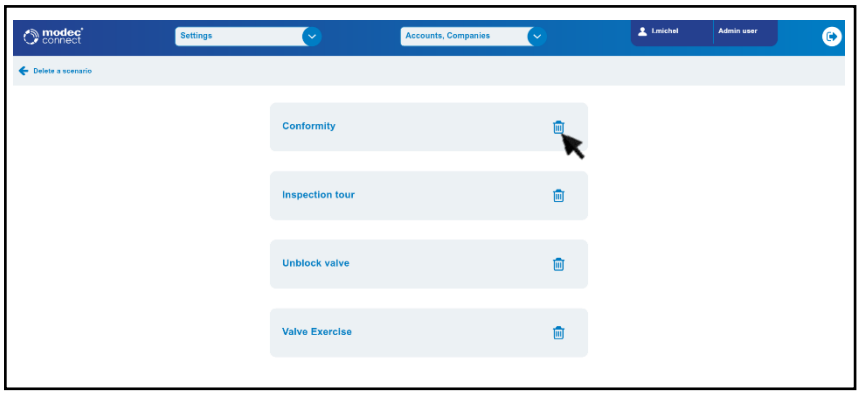
❖ **Homepage >Scenario > Delete scenario**



Click on «Scenario »



Click on « Delete Scenario »



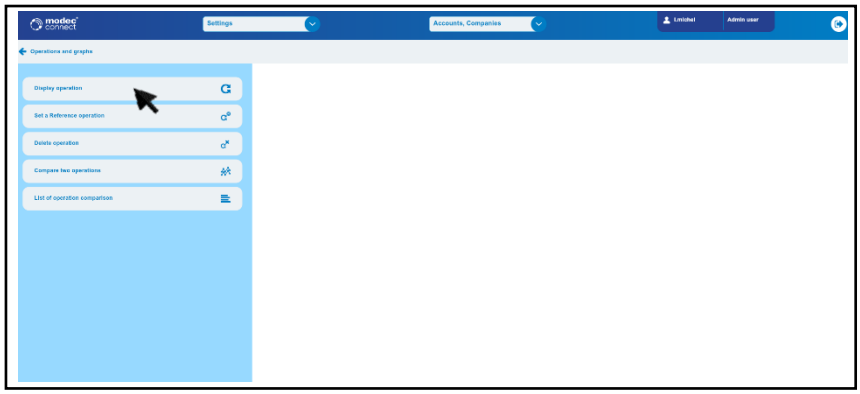
Click on trash bin next to the scenario you want to delete

13. Manage operations

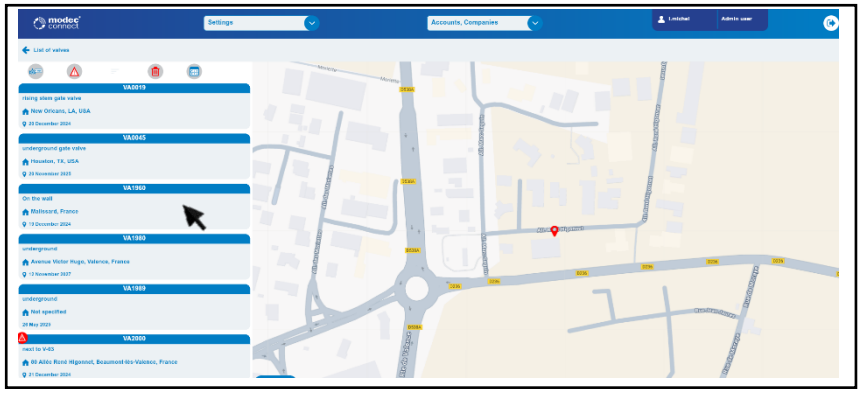
- Consult an operation

❖ **Homepage > Operation and graphs> Display operation**

Click on «Operations and graphs»



- Click on «Display operation»

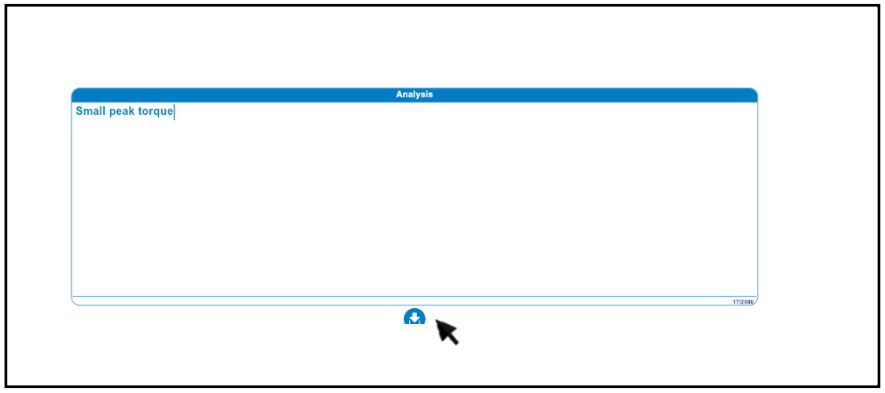


- Select the valve on which the operation was performed

- Select an operation to display
- The operation with an “R” have been marked as reference operation

- You can view a summary of the operation’s information with the curves.

On the graph, you can hide steps by clicking on the associated number



You can write an analysis and save it

If some operations are shaded, they are not available for display, depending on your subscription level. Only the most recent operations will be displayed. You can either choose to delete an operation to free storage space or change your subscription.

- Set a reference operation

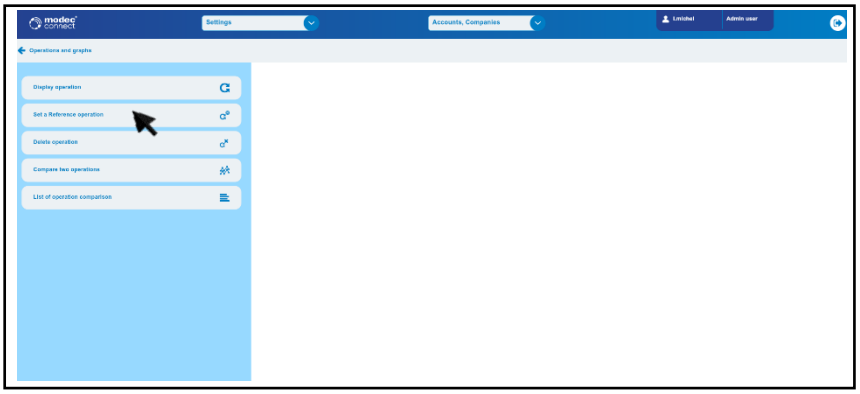
Access to this feature is restricted to certain users; please consult the table of user levels to check your rights (Appendix 3).

**** Guided operation only**

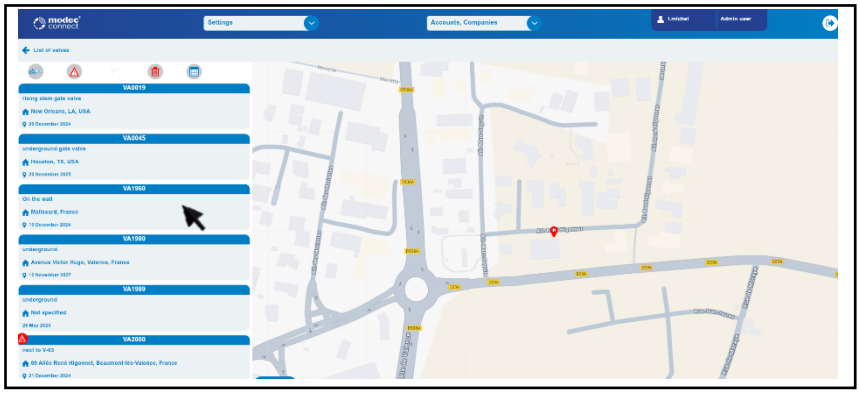
Defining an operation as a reference makes it the standard against which all other operations on a specific valve are measured. This means that when a new operation is evaluated, it is compared with the reference operation. However, it is still possible to compare curves even in the absence of a reference operation. The reference values will also be visible when an operation is displayed.

❖ **Home page > Operations and graphs > Set a reference operation**

Click on « Operations and graph»



Click on « Set a Reference operation»



Select a valve

Click on the R symbol to mark the operation as a reference

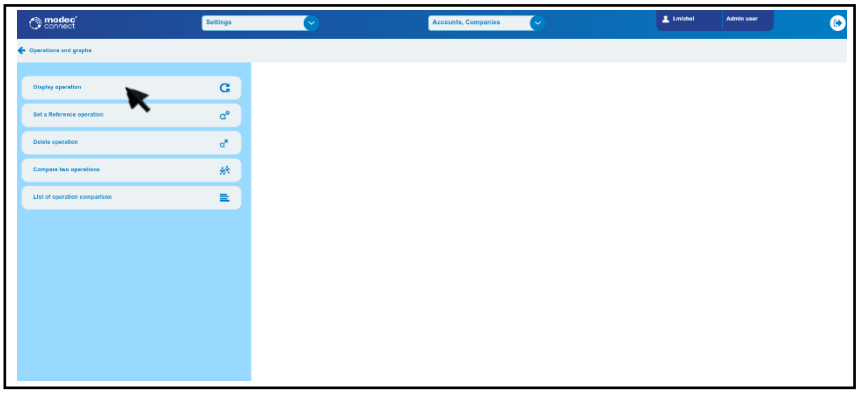
Please note that you can't remove the "reference" tag, but you can always mark other operations as references.

All operations carried out after the new reference point has been established will be evaluated against this updated reference point.

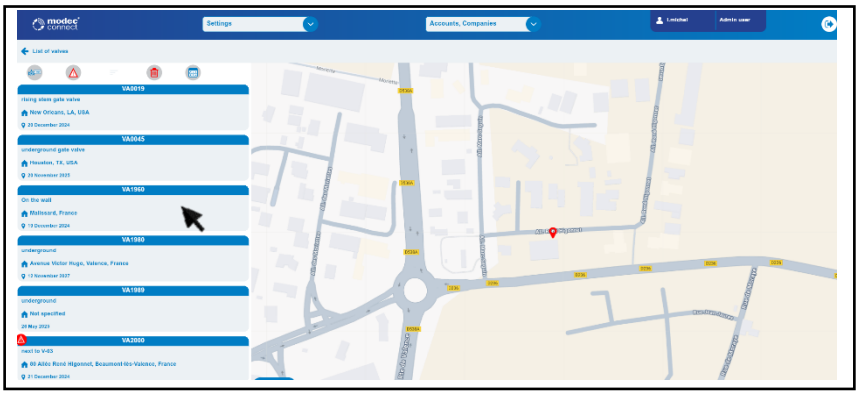
- Edit operation

❖ **Home page > Operations and graphs > display operation**

Click on "Operations and graphs"



Click on "Display operation"



Select a valve

Select the operation to edit

Click on the edit icon, at the top on the right

You can edit :

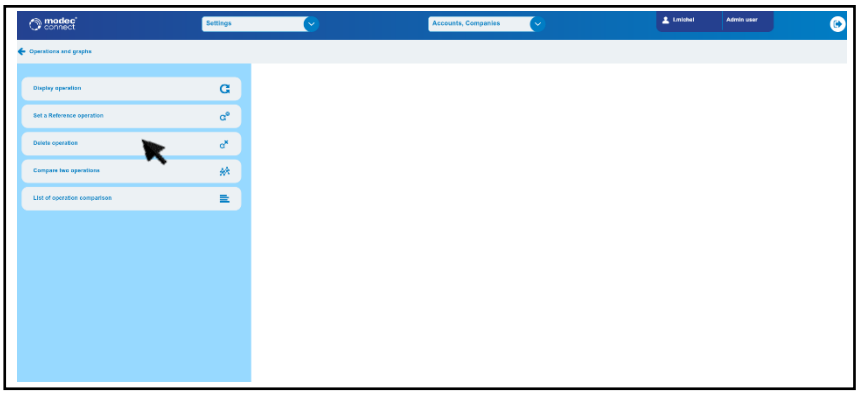
- Comment
- Pictures
- Requirement for maintenance

- Delete operation

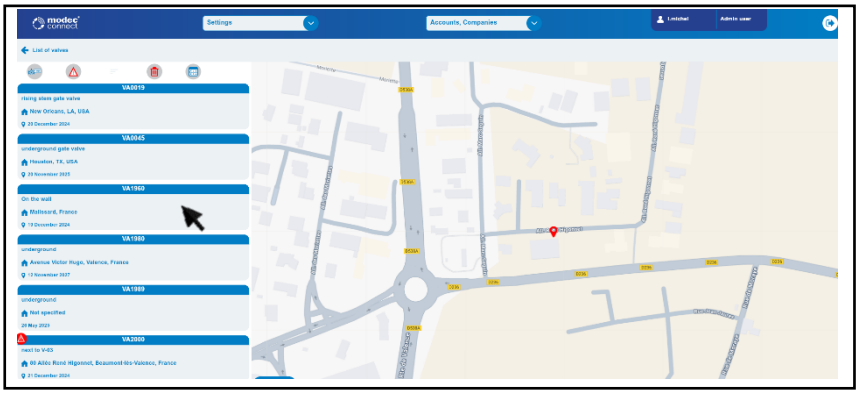
Access to this feature is restricted to certain users; please consult the table of user levels to check your rights (Appendix 3).

❖ **Homepage > Operations and graphs > Delete an operation**

Click on « Operations and graphs »



Click on « Delete operation »

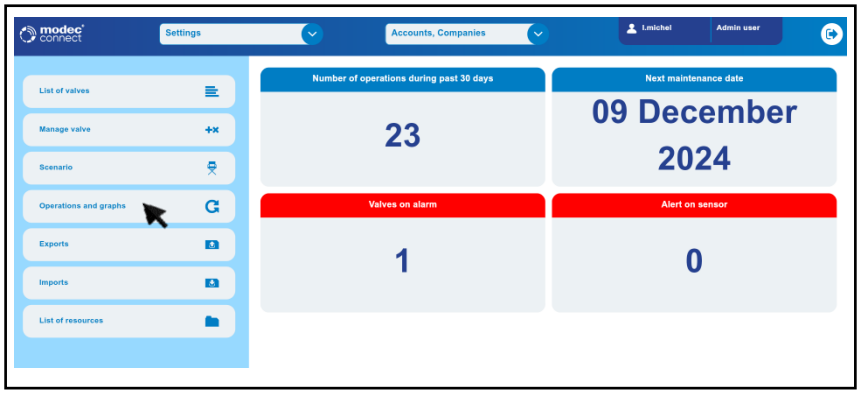


Select a valve

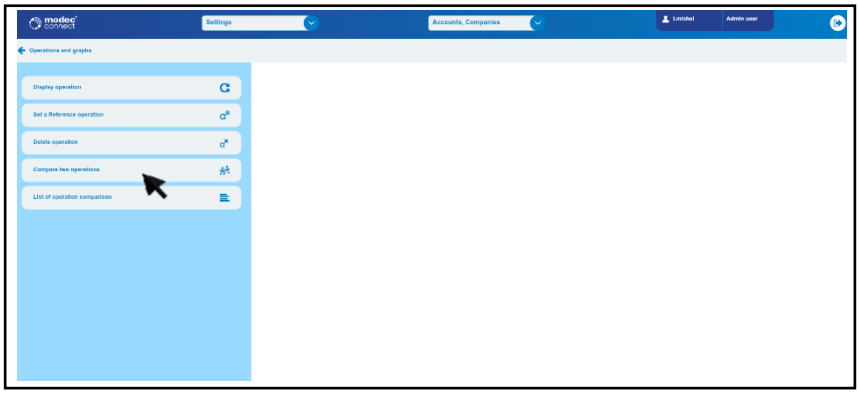
Click on the trash bin next to the operation you want to delete

- Compare two operations

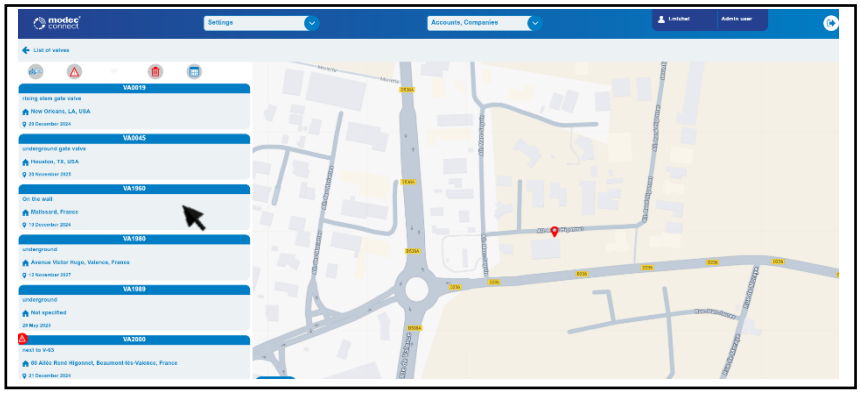
❖ **Homepage > Operations and graphs > Comparre two operations**



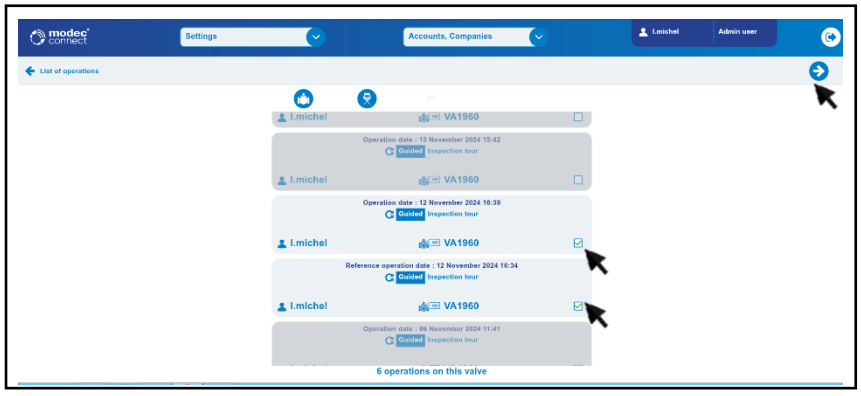
Click on « Operations and graphs »



Click on « Compare two operations »



Select a valve



Select the two operations to compare

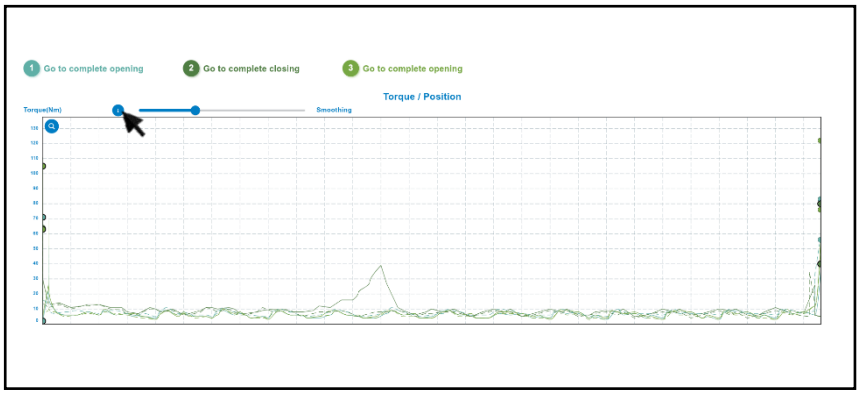
Confirm by clicking on the blue arrow, on the top at the right

Please note that you can compare only two operations, perfomed on the same valve, with the same scenario.

- Comparison features

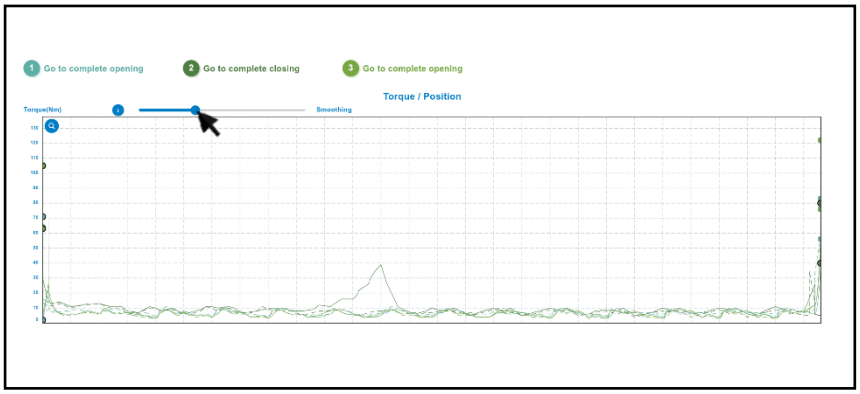
The comparison functionality features tools to help you optimally analyze the curves obtained. These tools can include options for smoothing curves, zooming in on specific sections, or comparing specific values point by point. Thanks to these features, you can easily visualize the differences and similarities between different curves, facilitating a more in-depth and accurate analysis of your data.

Legend

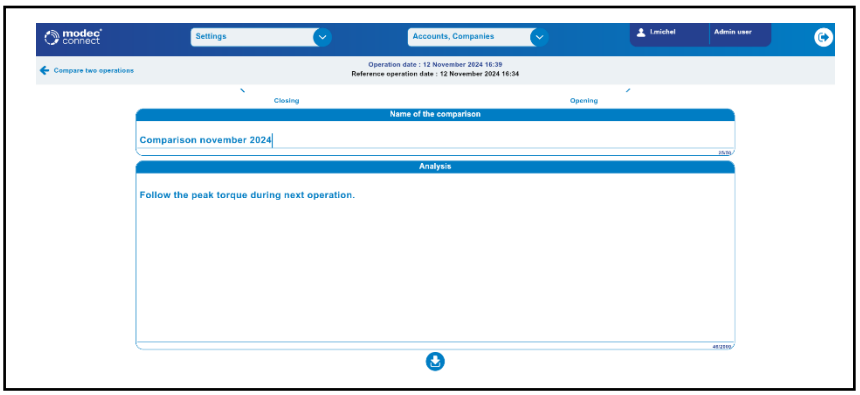


- To display the legend, click on the information button.
- You'll also find zoom details in this section.

Smoothing curves



- You can smooth curves by moving the gauge

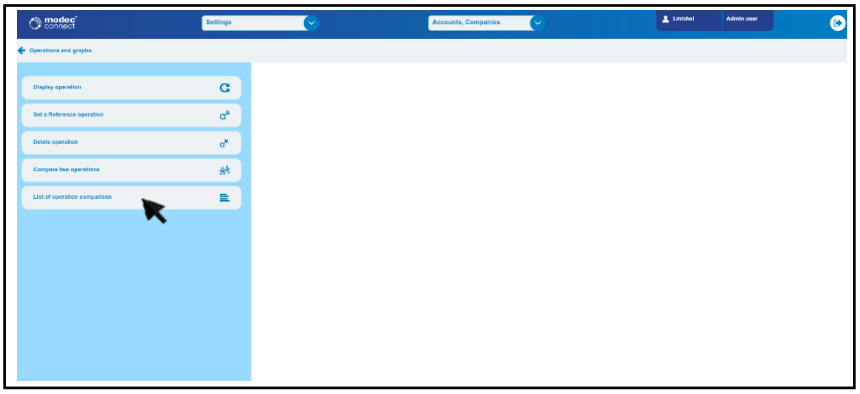


- You can write a comment in the “Analysis” section.
- You can name your comparison to be able to find it later in the list of operation comparison

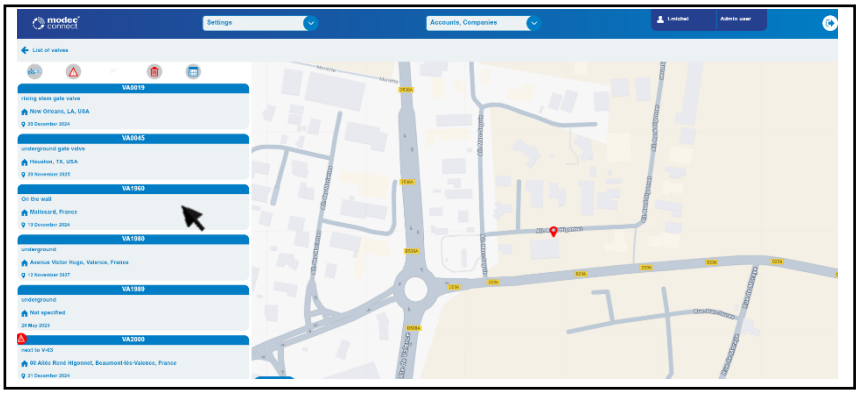
- List of operation comparison

❖ **Home page > Operations and graphs > List of operation comparison**

Click on “Operations and graphs ”



Click on “List of operation comparison”



Select a valve

Select a comparison in the list

You can edit the name of the comparison and your analysis

Please note that comparisons involving operations that are no longer accessible due to quota exceedance or deletion will no longer be visible to the user.

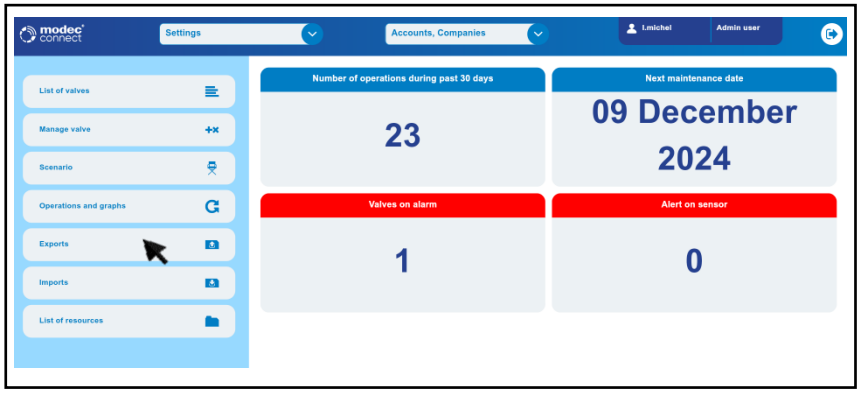
14. Data export

You can choose from a wide range of exports to suit every need

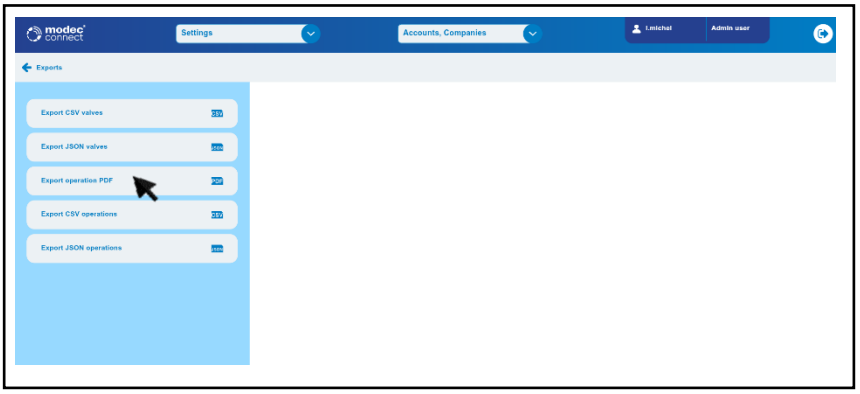
- PDF measurements report
- CSV measuremets report
- JSON measurements report
- CSV valve export
- JSON valve export

• PDF Export

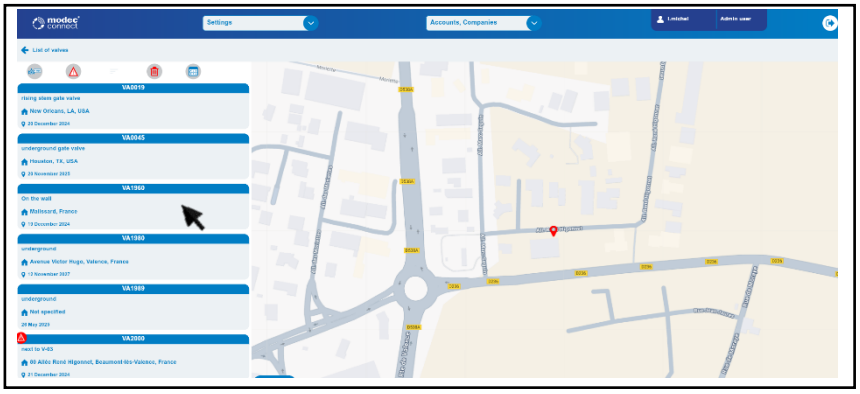
❖ **Homepage >Export > Export operation PDF**



Click on “ Exports”

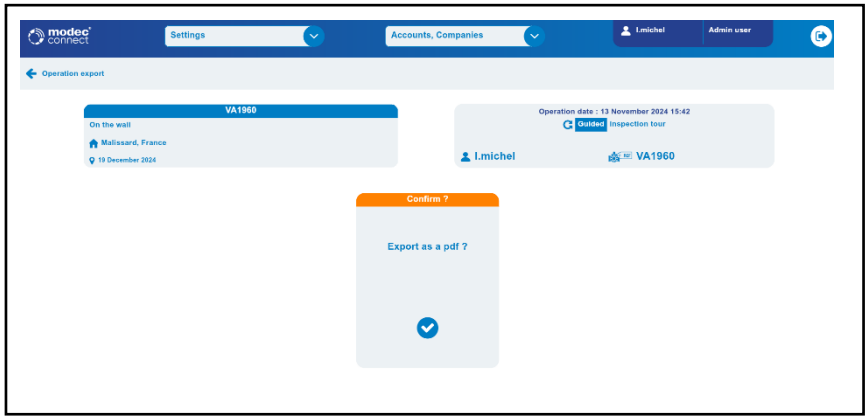


Click on “ Export operation PDF”



Select a valve

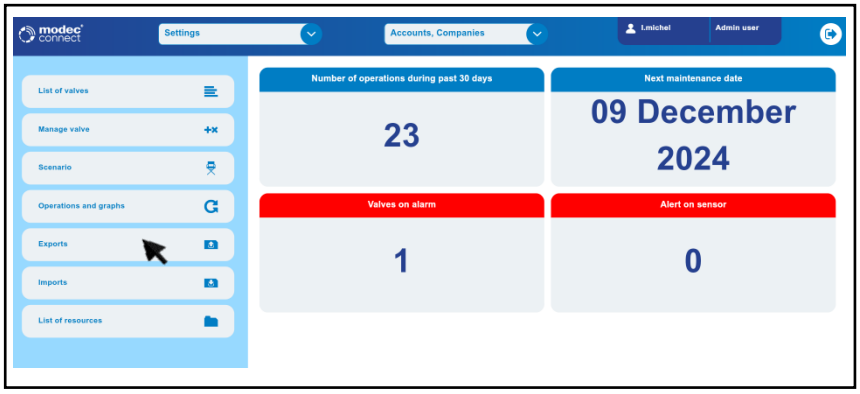
Select the operation to export



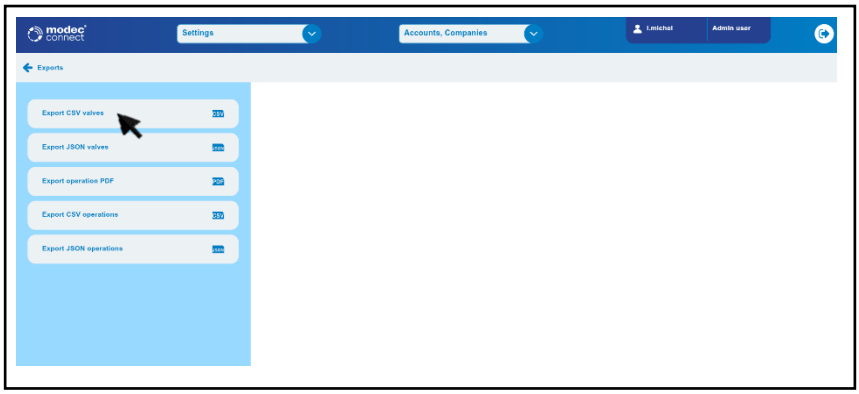
Confirm your choice

- CSV valve export

❖ **Home page > Exports >Export CSV valves**



Click on " Exports"

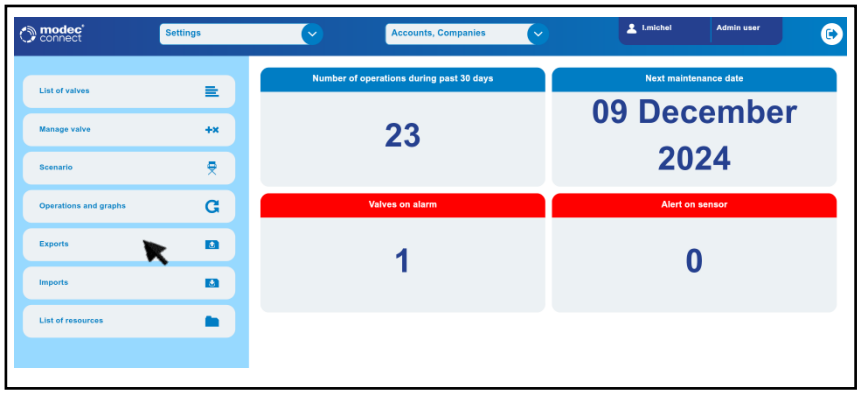


Click on " Export CSV valves"

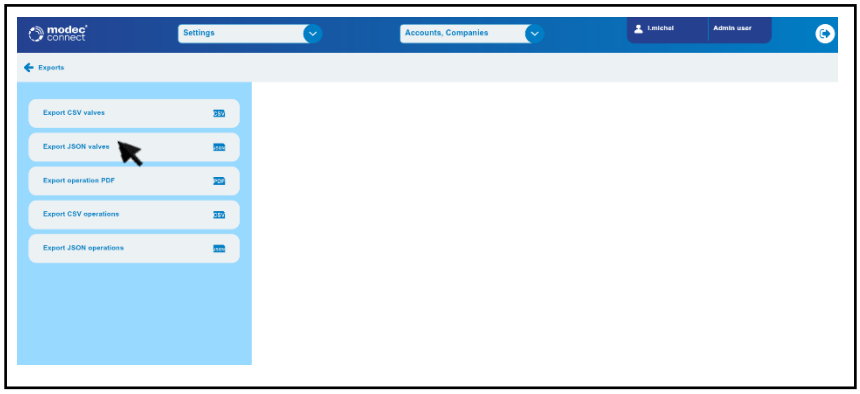
Please note that all the valves will be CSV exported. You can't choose one specific valve.

- JSON export valves

❖ **Home page > Exports >Export JSON valves**



Click on " Exports"

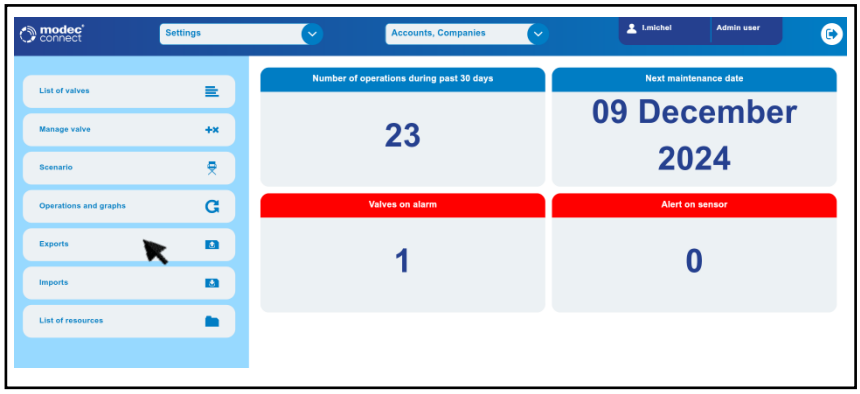


Click on “ Export JSON valves”

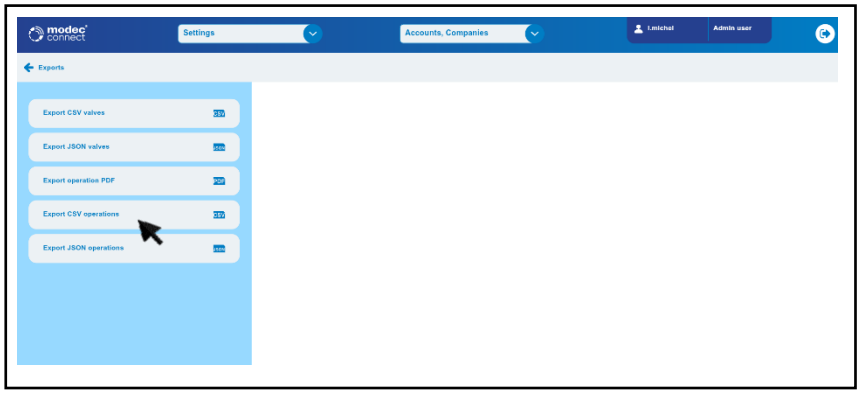
Please note that all the valves will be JSON exported. You can’t choose one specific valve.

- CSV operation export

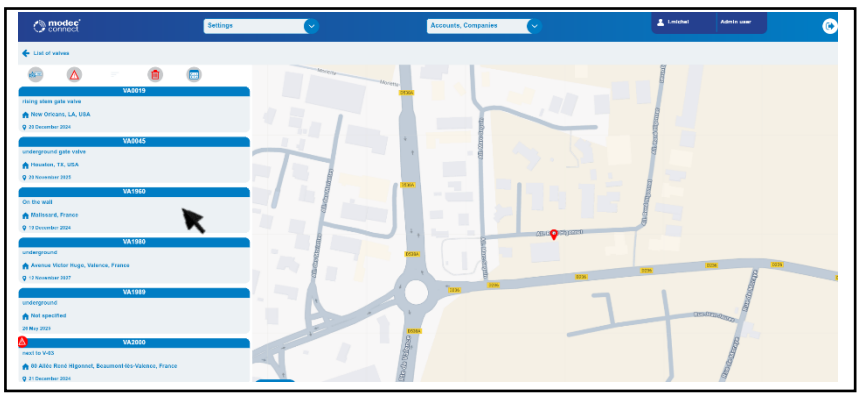
❖ **Home page > Exports > Export CSV operation**



Click on “ Exports”



Click on “ Export CSV operation”



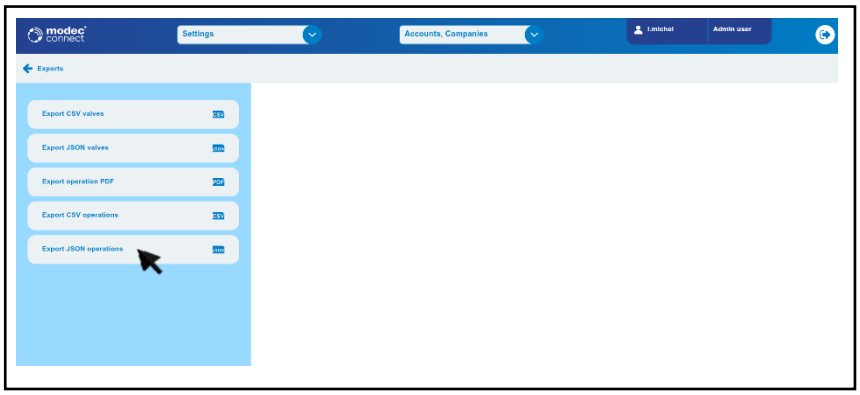
Select a valve

Please note that all the operations of the valve will be exported at once.

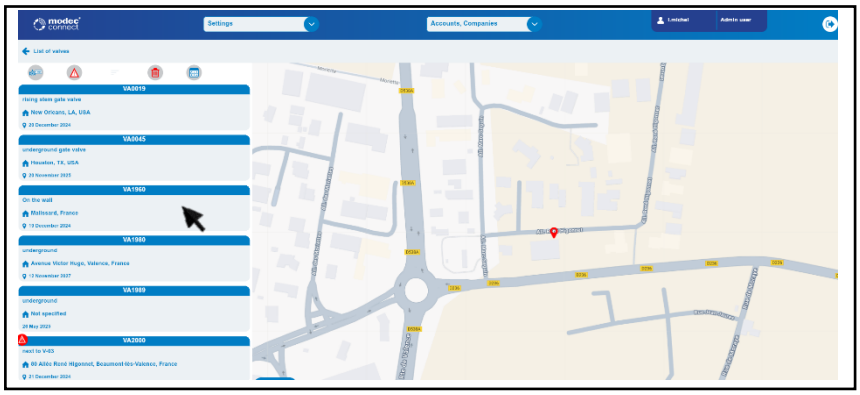
- JSON operation export

❖ **Home page > Exports >Export JSON operations**

Click on “ Exports”



Click on “ Export JSON operations”



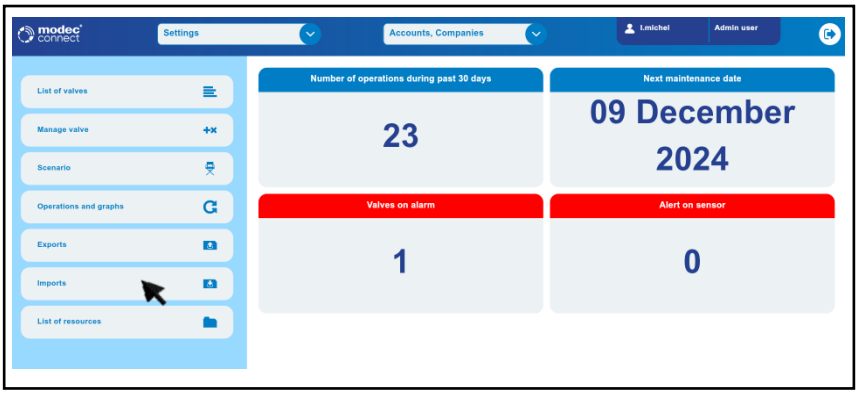
Select a valve

Please note that all the operations of the valve will be exported at once.

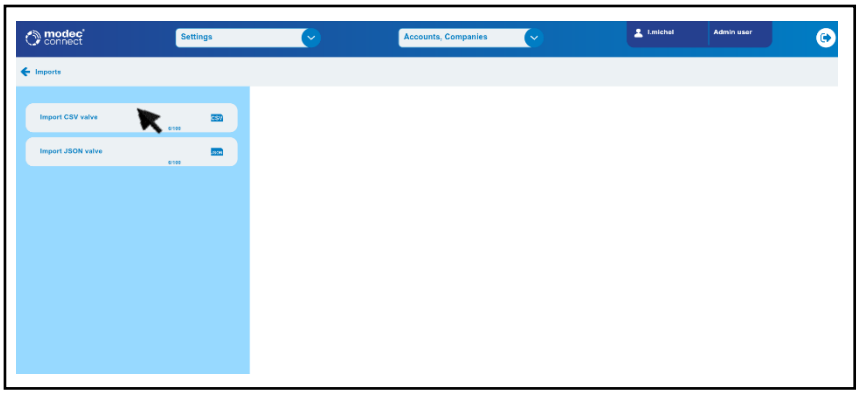
15. Valves Imports

- CSV valve import

❖ **Home page > Imports > Import CSV valve**



Click on " Imports"



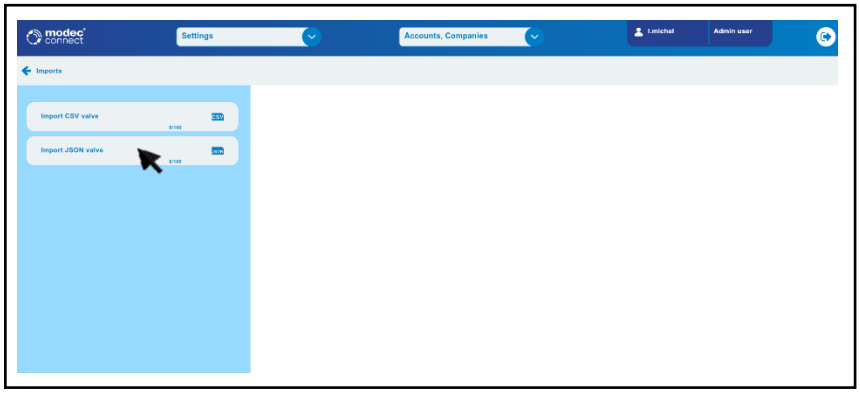
Click on " Import CSV valves"
You have the counter of the number of valves you created and the number left

To see the type of form required, check the example in List of Resources

- JSON valves imports

❖ **Homepage > Imports > Import JSON valves**

Click on “ Imports”



Click on “ Import JSON valves”

To see the type of form required, check the example in List of Resources

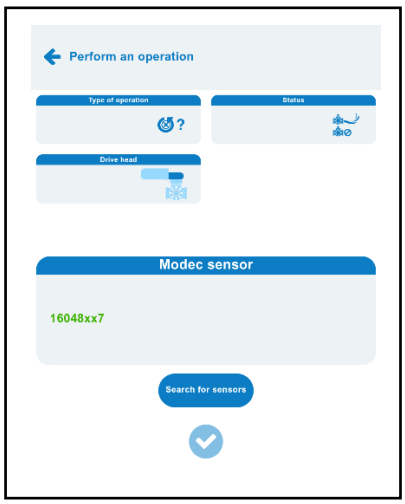
IV. Installing the sensor before an operation

16. Connect the sensor to your modec equipment

Connect the sensor to your actuator then install the torque reaction system and adaptor

Before any operation, consul the Smart sensor user manual :

17. Pairing the LTN67 sensor with the phone



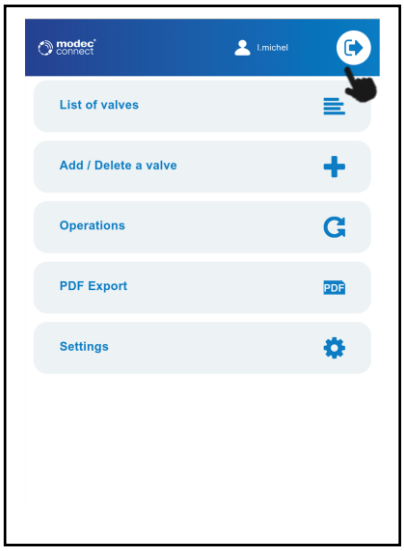
- Activate your phone's Bluetooth
- Press "Search for sensors
- When the sensor's serial number appears, you'll hear a beep.
- Pairing is complete

- I can't pair my sensor.

1. **The sensor is in standby mode**. In this case, try shaking it slightly or, if it is already connected to the actuator, making a few idle turns. It will switch on automatically. You will see a green light flashing on the side of the sensor.
2. **The distance between the LTN67 sensor and the phone is too great**. In this case, you need to move closer to the sensor so that the phone detects the sensor.
3. **Your phone's Bluetooth has been activated incorrectly**. In this case, try deactivating and reactivating Bluetooth, then closing and reopening the application.

V. Mobile app

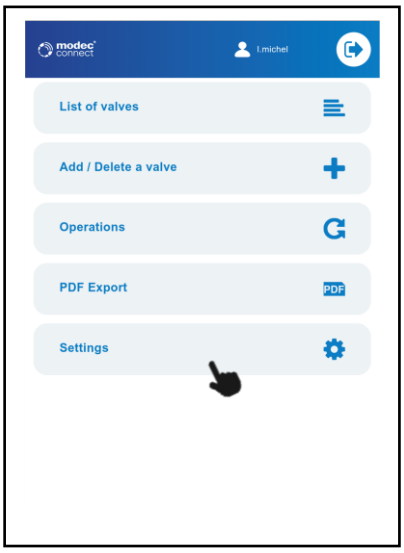
18. Basics



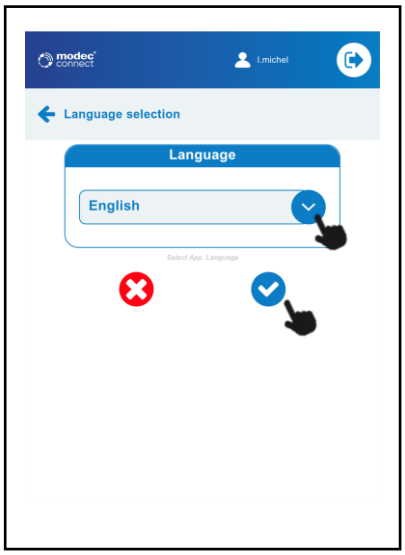
- Press the white arrow at top right to log out

- Press the blue arrow to go back

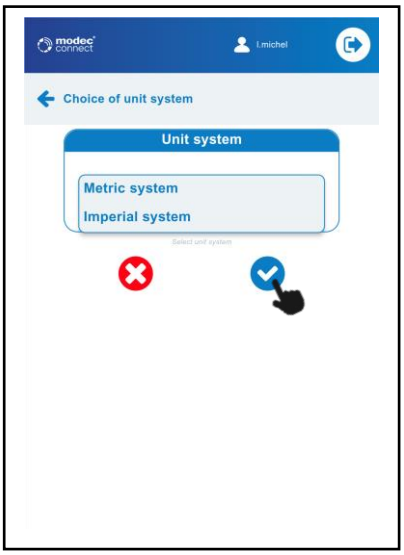
- Press the logo to return to the main menu



- Press the settings menu to select language or metric system



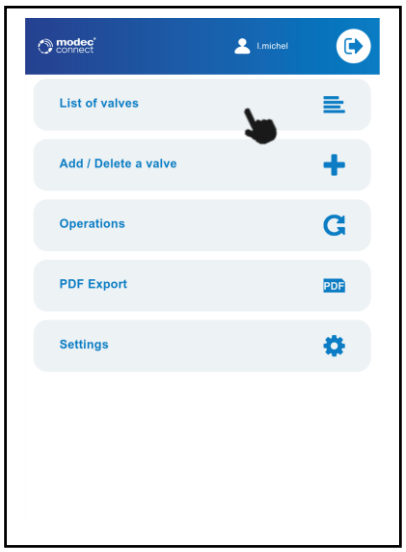
- Choose a language
- Confirm



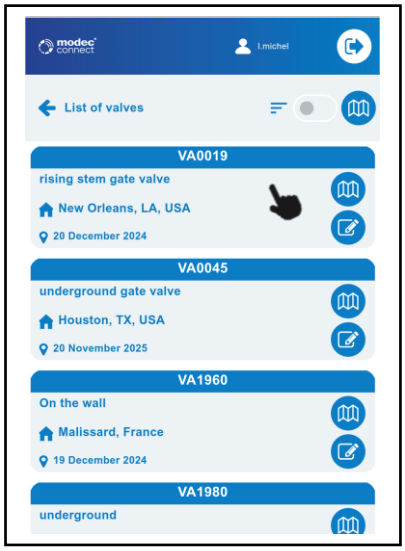
- Choose a unit system
- Confirm

19. Valves list

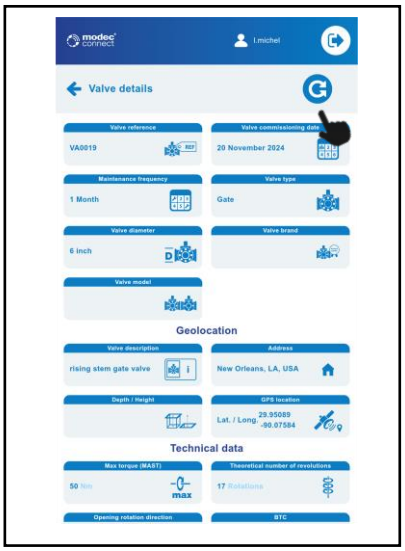
❖ **Homepage > Valves list**



Press valves list



Click on a valve to display its information



Scroll down to see all valve details

You can directly perform an operation by clicking on the circled arrow

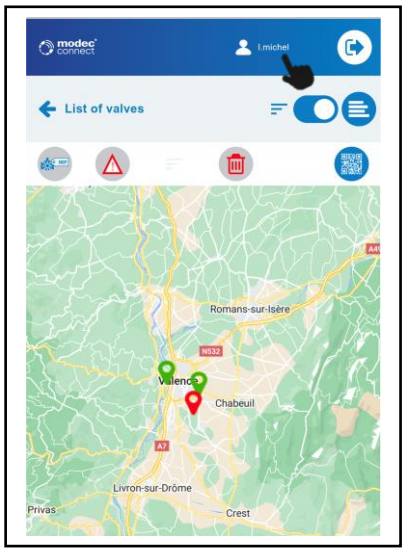
Drag the button on the left of the to display the filters

You can filter by :

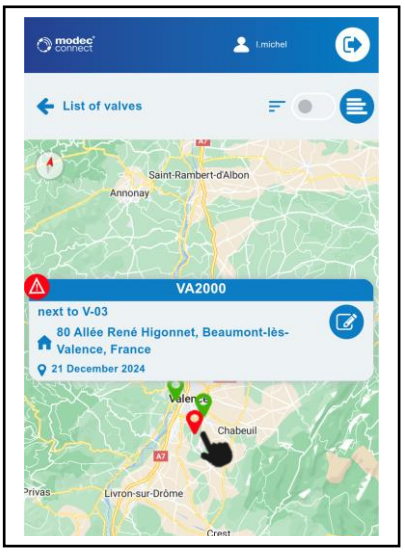
1. Reference
2. Valves on alarm
3. Valves to be deleted
4. Select the QR code

You can scan the valve's QR code (provided it has been associated) to view its information.

- Press the map icon to display the valves on the map
- You can also choose to display a specific valve on the map by clicking on the icon next to the valve name



- You can also display the filters



- Click on a pin to display the valve's name
- Click on the valve name to access its details.
- Red pins represent the valves on alarm

20. Manage valves

- Add valve

This feature is subject to variable quotas depending on your subscription; please check the subscription table to find out your eligibility (Appendix 2).

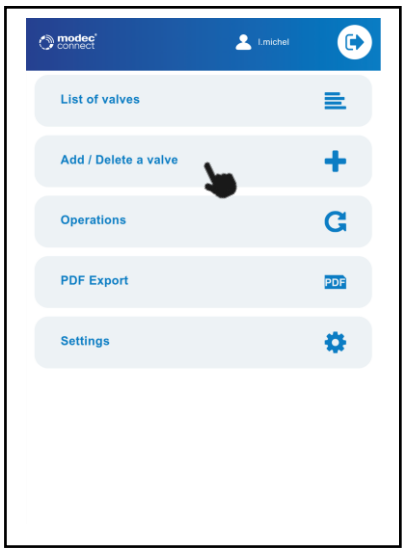
GPS localization and QR code function are subject to subscription restrictions. Please consult the subscription table to check your eligibility (Appendix 2).

On the mobile application, you have two ways of adding valves :

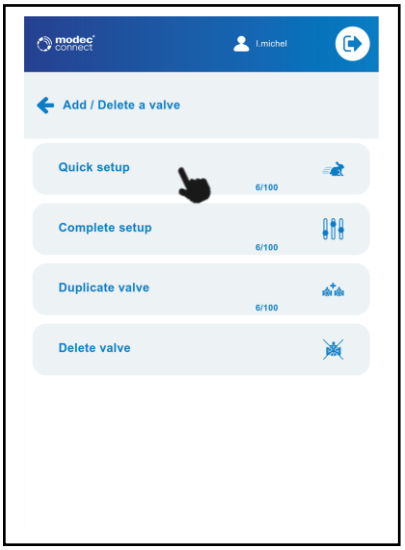
- **Quick set up** : This mode allows you to save time by filling in only the mandatory fields when creating a valve
- **Complete set up** : This mode lets you fill in all the information you can, just like on the mobile application.

Quick set up

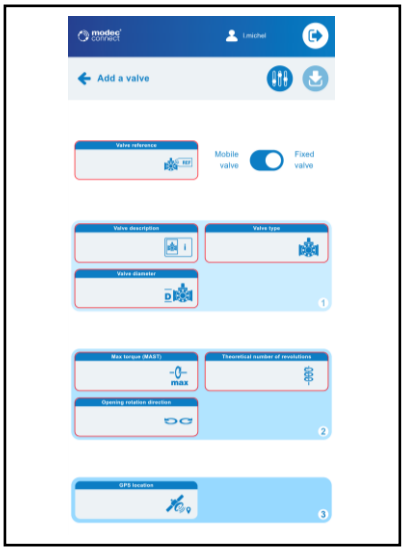
❖ **Homepage> Add/Delete valve > Quick set up**



Press Add/ Delete valve

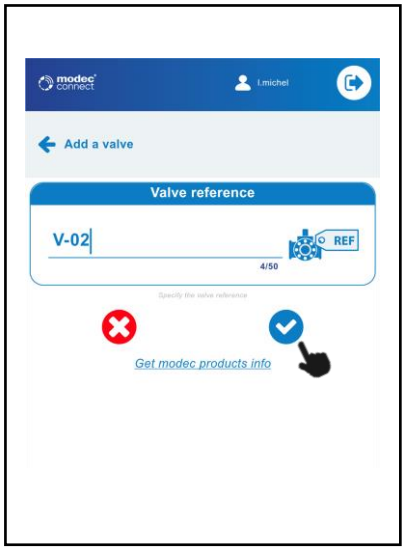


Press « Quick set up »

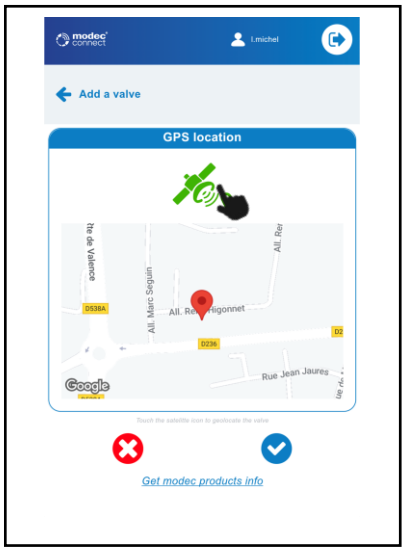


Fill in the fields

Red fileds are compulsory

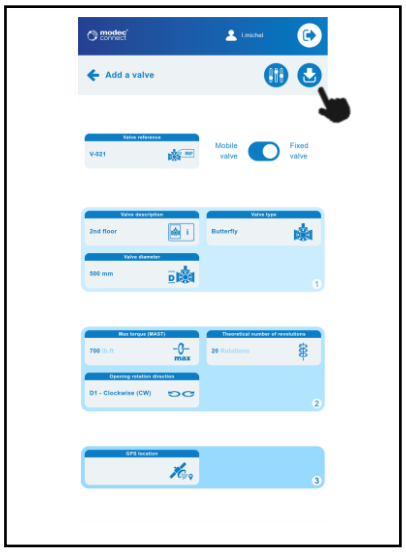


Confirm the information you have entered before moving on to the next field.

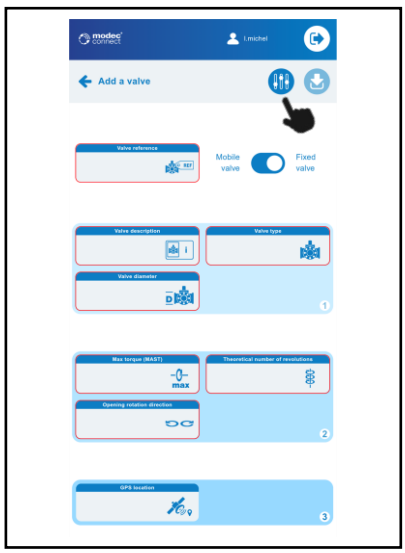


For the "GPS location" field :

1. Press the satellite
2. Once green, the position is saved
3. If you want, you can place the pin manually by pressing the position of the map you want 3s



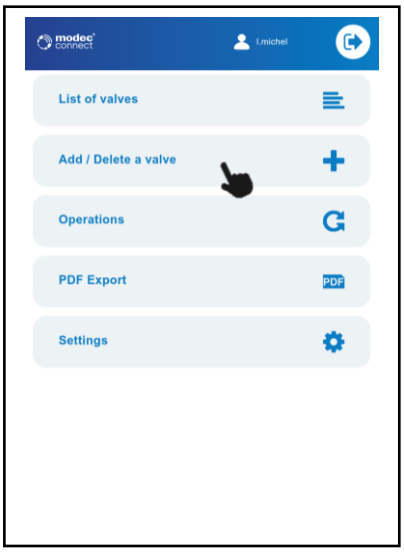
Save



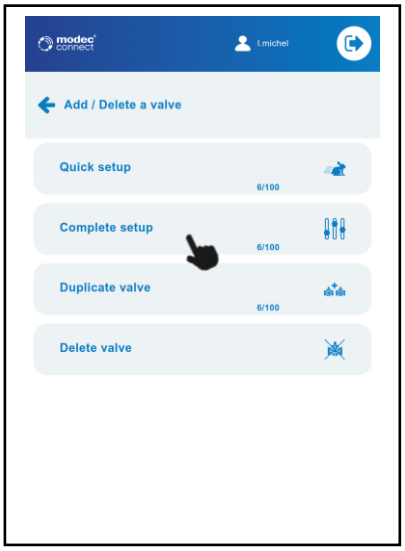
If you want to switch for complete setup, click the icon

Complete set up

❖ **Homepage > Add/ Delete valve > Complete setup**



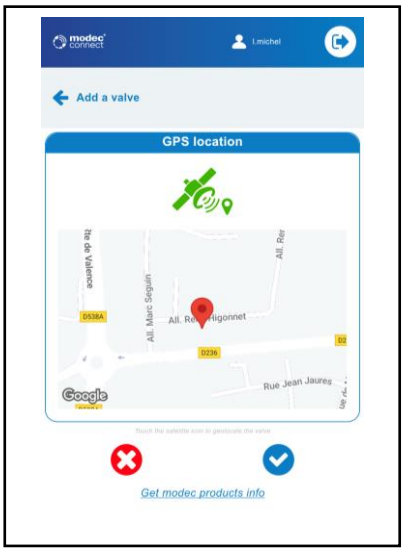
- Press « Add/ Delete valve »



- Select « Complete setup»

- Fields in red are mandatory to save the valve

- When all mandatory fields in a section have been completed, you can move on to the next section by clicking on its name.



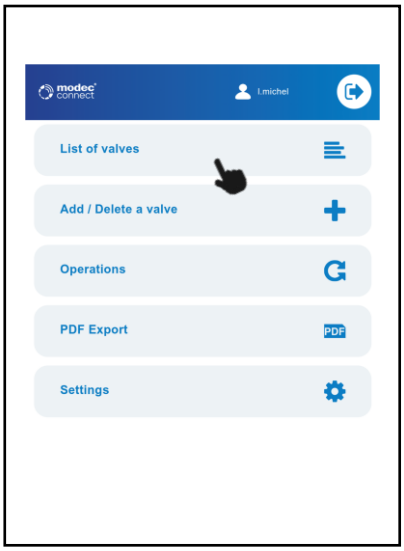
- Go to the "Location" section to geolocate your valve
- Click on the satellite
- When it turns green, the position is saved
- You can place the pin manually by pressing the position of the map you want 3s

- You can leave a comment
- You can take or add a photo
- You can associate a QR previously generated

Please note geolocation is only available if your mobile data is activated.

Please note that the application does not have a QR code-generating function, but you can use the QR code on the valve or generate one free of charge on a website.

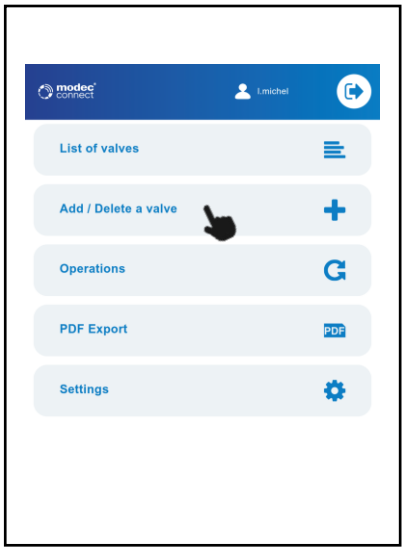
- Edit valve



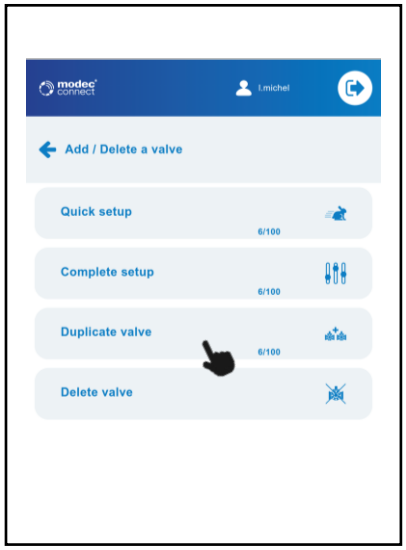
Click on the list of valves

Click on the edit icon next to the valve reference

- Duplicate valve

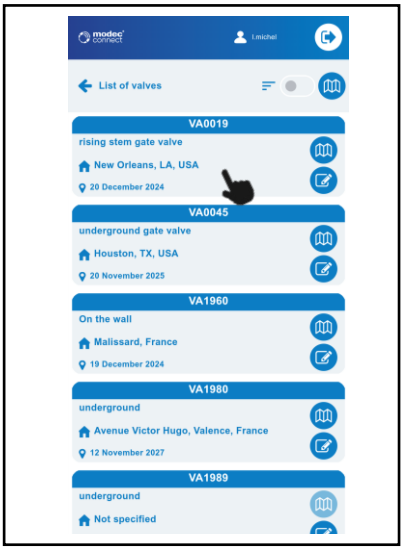


Click on “Add/Delete a valve”



Click on “Duplicate valve”

You have an indicator for the number of valve you already created and the maximum depending on your subscription



Select the valve to duplicate

Enter a new valve reference

Enter a new valve description

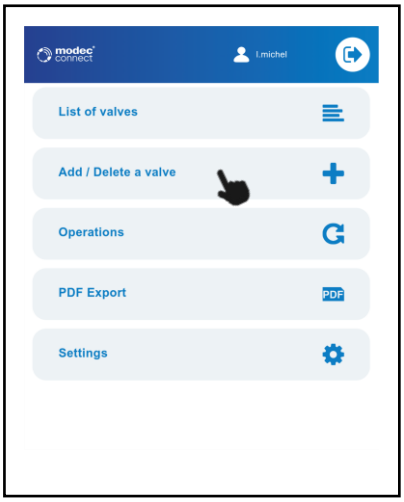
Edit information if you need

Save

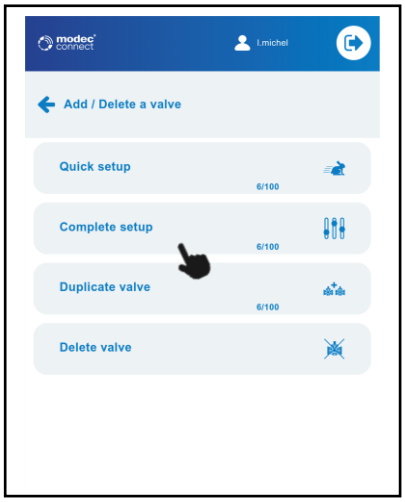
- Delete valve

On the mobile application, you can't delete a valve. You can flag it as "to be deleted", in which case it will be marked with a "to be deleted" icon in the list. If you wish to delete a valve, go to the web application

❖ **Homepage > Add/Delete valve > Delete valve**



Press « Add / Delete valve »



Press « Delete valve»

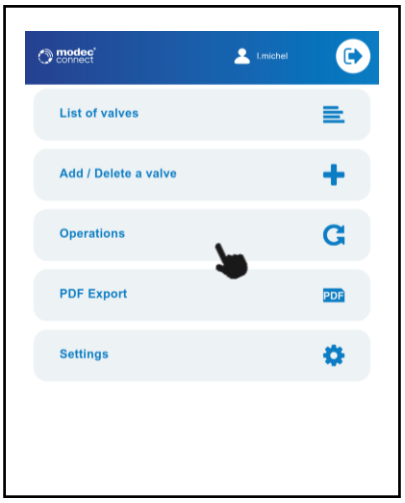
Click on the trash icon next to the valve you want to mark as "to be deleted"

21. Perform operations

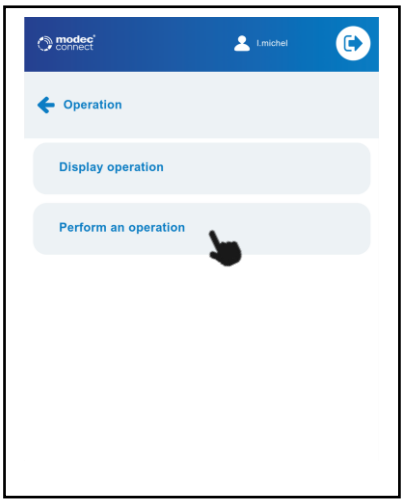
- Free operation

This is an operation that does not require a scenario to be performed.

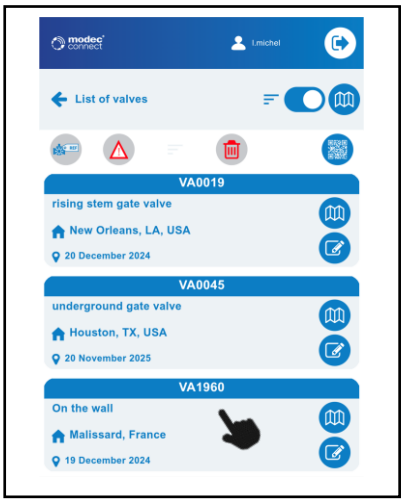
❖ **Homepage> Operations> Perform operation**



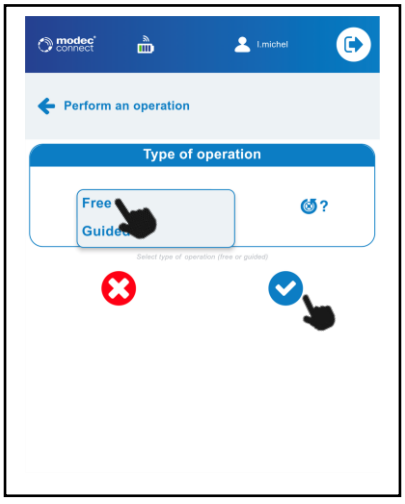
Press « Operation »



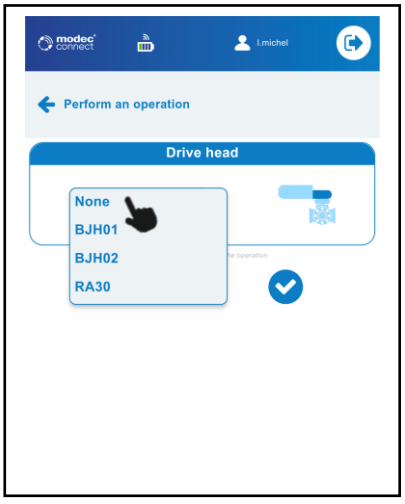
Press « perform operation »



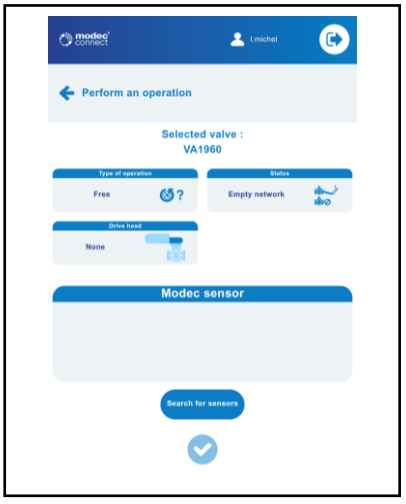
Select a valve on the list, on the map or via the QR code by clicking on the associated icon



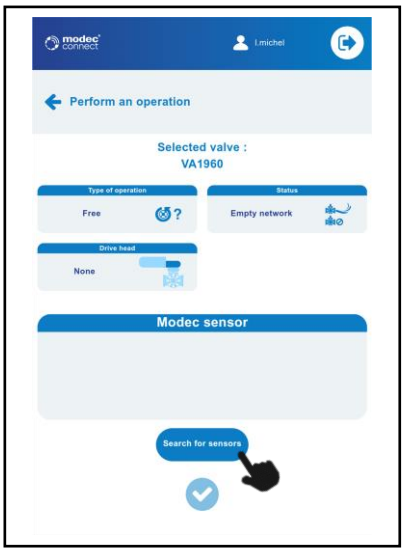
In « type of operation » select « free »
Confirm



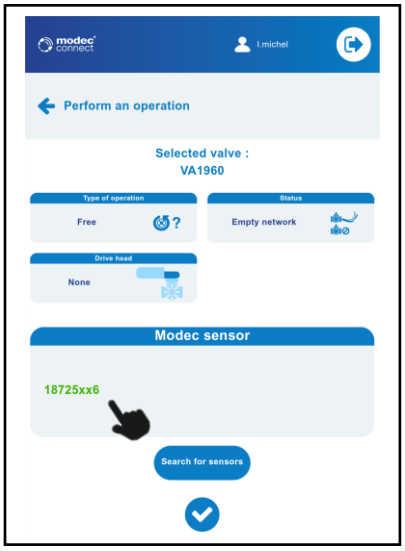
Select your drive head
Confirm



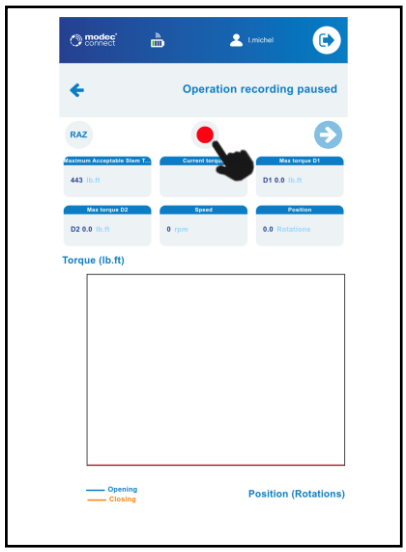
Select the valve's status
Confirm



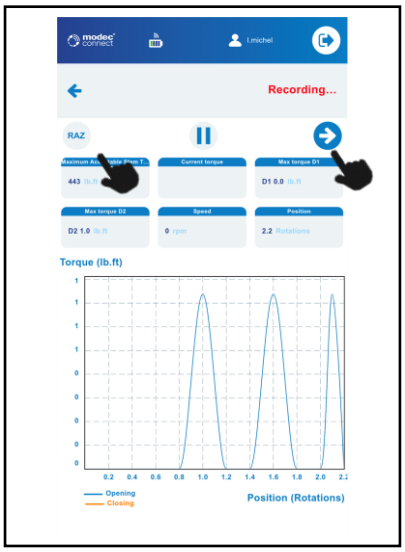
- Press " search for sensors"



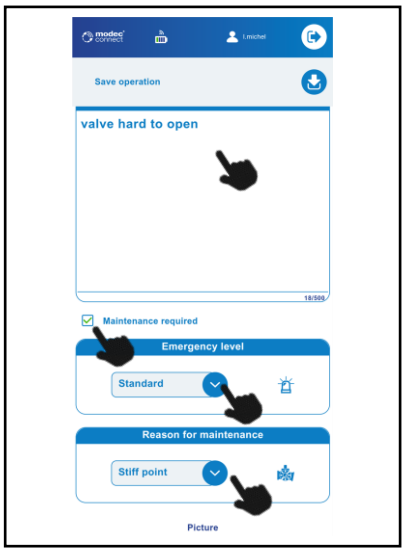
- Once the serial number appears in green it is connected
- If there are several sensors available, click on the right serial number.



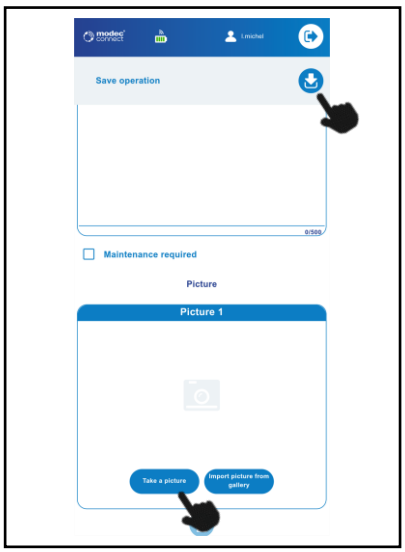
- Start recording by pressing the red button



- Finish you operation by pressing the blue arrow
- If you want to restart the operation, press RAZ



- You can leave a comment
- Indicate that maintenance is required, it will put an alarm on the valve
- If you tick "maintenance required" you must indicate the emergency level and the reason for maintenance



- You can take or import a picture by clicking on the photo icon
- You can comment the picture
- Save the operation

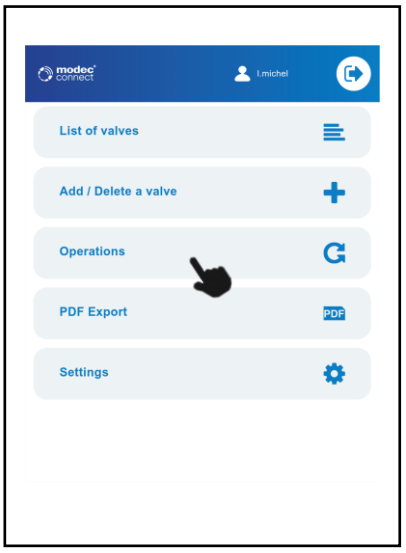
1. Please note that you must save the operation. You cannot go back unless you quit the application.
2. If you have checked "maintenance required", you can uncheck this alert by editing the valve information.

Please note the application takes into account the reduction ratio of the drive heads.

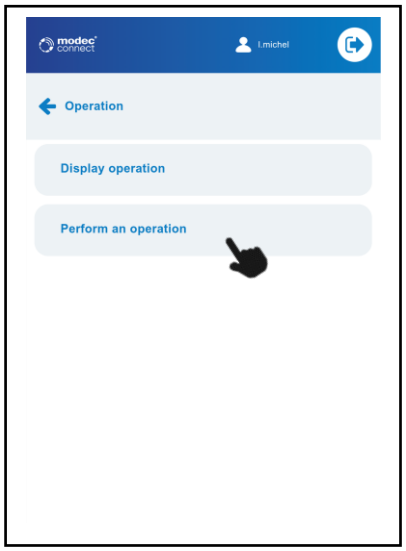
- Guided operation

Access to this feature is subject to subscription restrictions; please consult the subscription table to check your eligibility (Appendix 2).

❖ **Homepage> Operation > Perform an operation**

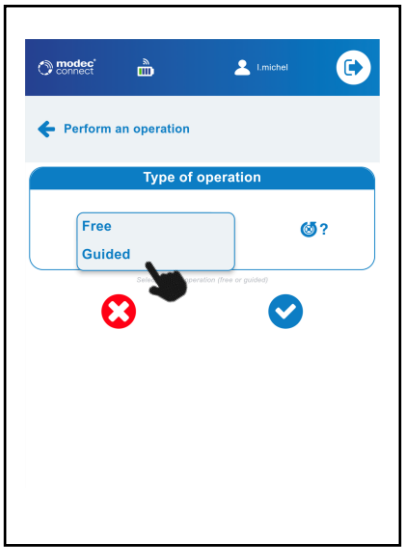


Press « Operations»

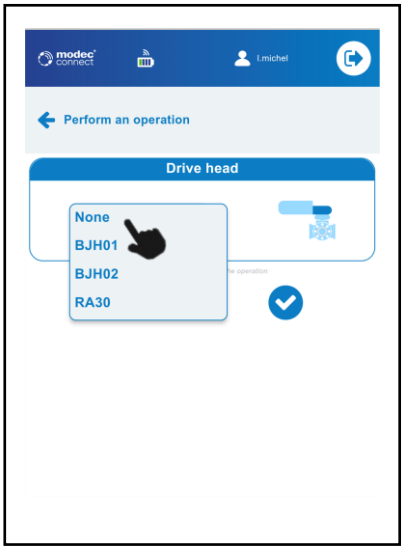


Press « Perform operation»

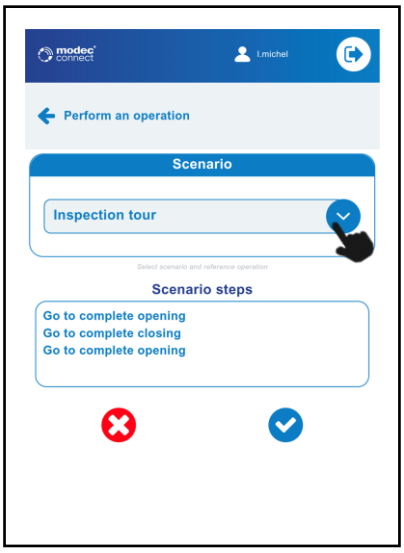
Select a valve on the list, on the map or via QR code by clicking on the associated icon



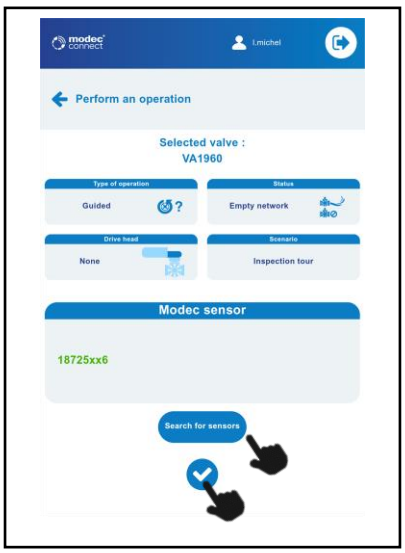
In « type of operation » select Guided



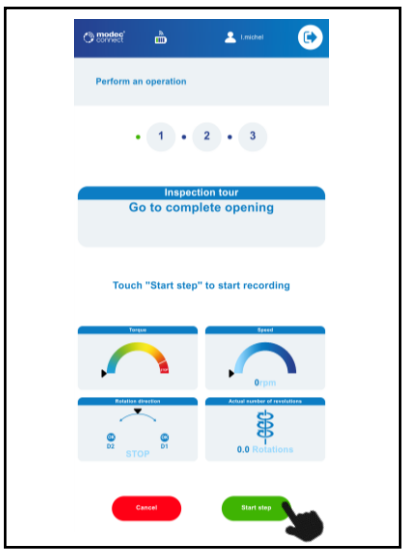
Select your drive head
Select valve's status



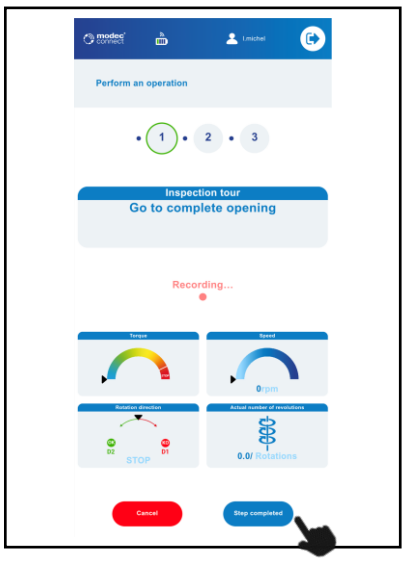
Select the scenario
Confirm



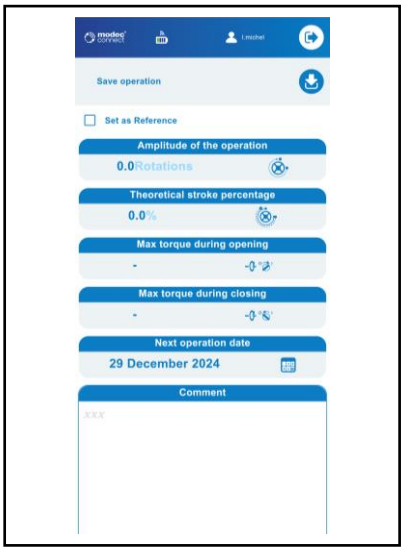
- Press « search for sensor »
- When the serial number appears in green, it is connected to the sensor
- If several serial numbers appears, choose the right one
- Confirm



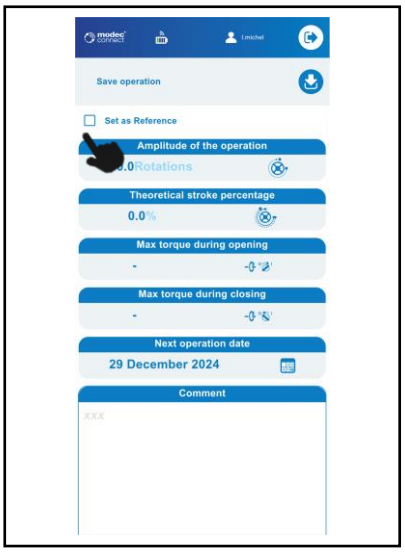
- Press “start step” to start recording



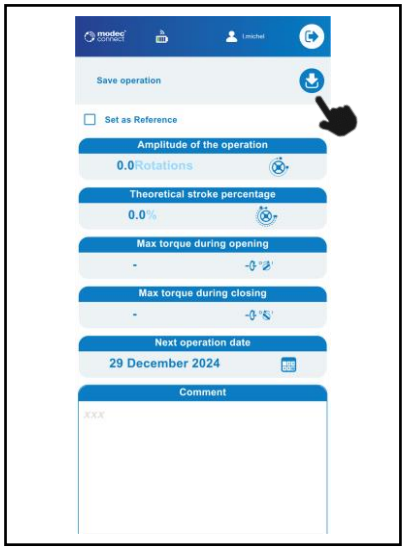
- Press “step completed” once you have finished the current step
- Press “ cancel” if you want to cancel the whole operation



- Once you completed all your steps, the operation will automatically end



- You can set this operation as a reference (optional)
- You will be able to do it later as well



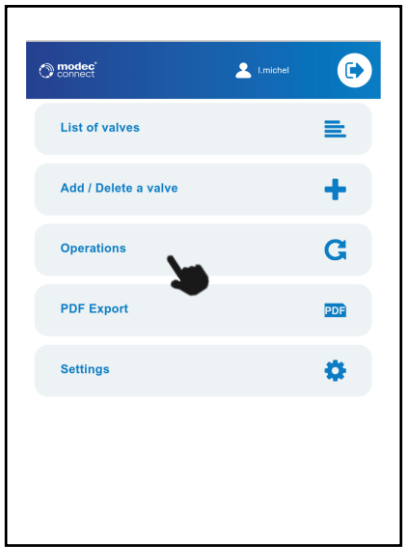
- You can :
  - Leave a comment
  - Take/import picture
  - Comment your picture
  - Check “maintenance require” to put the valve on alarm
- Save

- If no scenario is proposed, you must create one on the web application and associate it with the valve.
- Please note that you must save the operation. You can't go back unless you quit the application.
- If you have checked "maintenance required", you can uncheck this alert by editing the valve information.

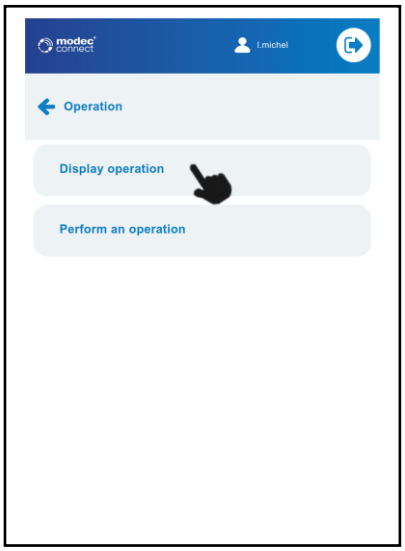
22. Manage operations

- Display operation

❖ **Homepage > Operation > Display operation**

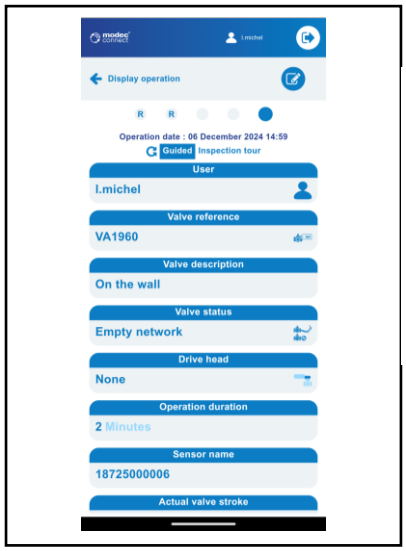


Press « Operation »



Press « Display operation»

Select a valve



- Scroll horizontally to move from one operation to another
- The R symbol means it is a reference operation
- Scroll down to see operation details

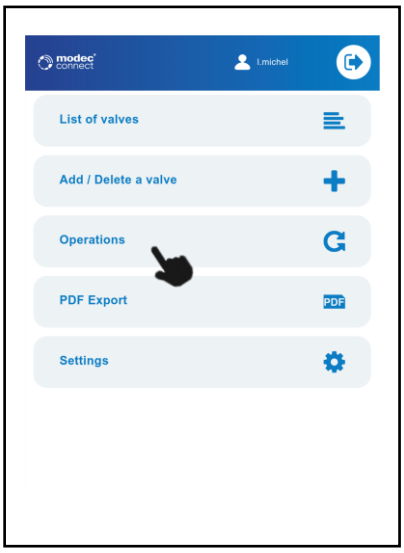
Mobile app remembers the 5 most recent operations

- Edit an operation

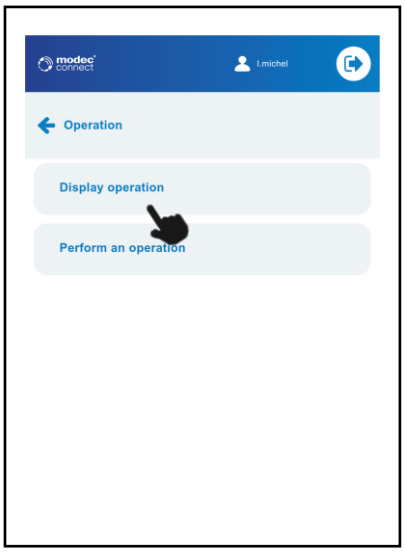
❖ **Homepage > Operation > Display operation**

After performing an operation, you can edit :

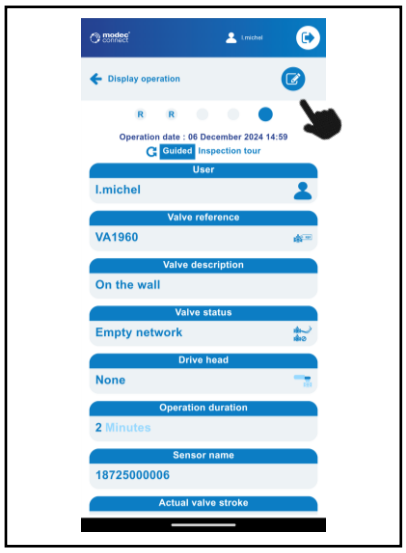
- Photos
- Comment
- Unckeck/ Check « maintenance required»



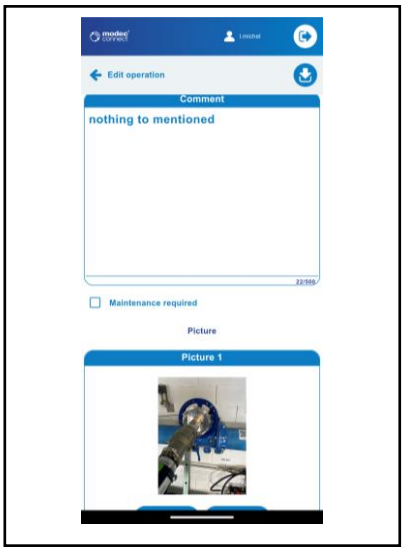
Press « Operation »



Press « Display operation »



Press the edit icon

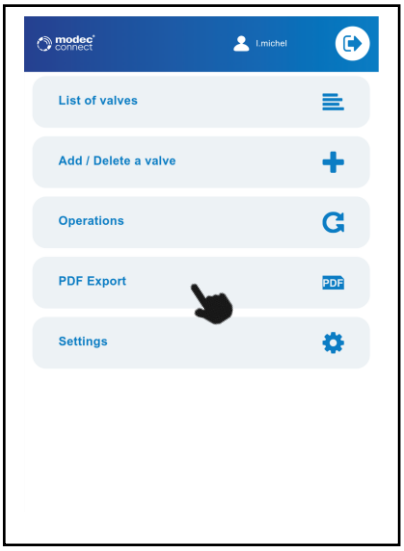


You can edit the comment, picture and check/uncheck maintenance required

23. Data exports

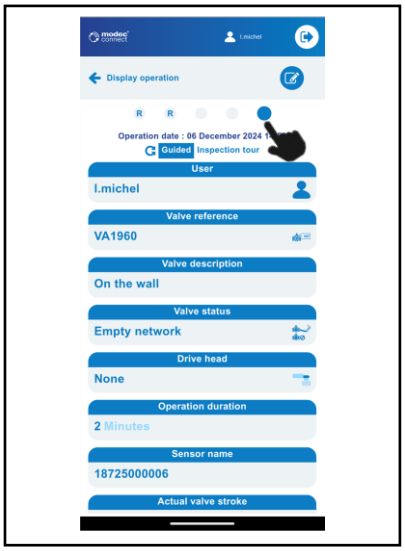
Once the operation has been completed and saved, you can export it as a PDF

- **Homepage> PDF export**

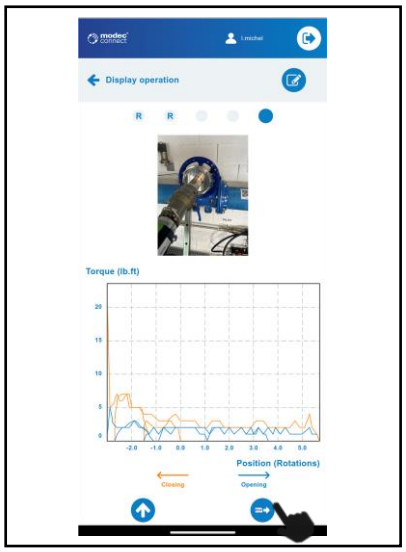


Press « PDF Export »

Select valve



Select an operation by scrolling horizontally



Scroll down and press the "PDF" button

You can then choose to send or download the PDF to your device

VI. RESOURCES

In the web app, you'll find a "Resources" menu containing various documents and videos to help you use the Modec connect system optimally, such as :

- User manuals
- Tutorial videos
- Valve import file template

You will also be able to find some of the resources on modec website : www.modec.fr

VII. FAQ

24. Where to find documentation?

On modec website : www.modec.fr and in the List of resources on the web app.

25. Contacts

For any concerns or questions, please contact us :

Mail : modec-connect@modec.fr

Phone : +33 (0)4 75 40 27 15

26. How accurate is geolocation?

Modec connect uses Google Maps geolocation.

The accuracy of geolocation in Google Maps may vary depending on various factors, including the availability of GPS signals, the quality of the Internet connection and the potential use of other location technologies such as Wi-Fi and cellular data. In general, Google Maps can provide accuracy ranging from a few meters to several tens of meters under ideal conditions. However, in dense urban environments or in areas where GPS signals are obstructed, accuracy may be reduced. It is important to note that accuracy may also vary depending on the type of device used to access Google Maps, and the location and privacy settings configured on that

device. If you want to adjust the location of a valve, use your finger to move the pin directly on your phone. You can also add comments about location in the valve description part.

27. How many operations can I save ?

The number of operations saved depends on your modec connect subscription. Please refer to the subscription table for details.

28. What happens if the phone/tablet battery runs out during an operation?

If your mobile device runs out of battery during an operation that has not yet been saved, your data can’t be saved.

29. What happens if I don't have a network??

You can operate without any network, all you need is a Bluetooth connection. However, other features will not be available until you have an Internet connection.

The web application requires an Internet connection.

30. How to generate a QR code for a valve?

To date, Modec connect does not have the functionality to generate QR codes. You can either use the QR code on the valve, or generate a free QR code via a website.

31. Can I connect to the web application using a mobile phone?

It is not recommended to connect to the web application via a telephone for display reasons.

32. I have forgotten my password

On the authentication page, click on "Forgotten password".

A request for a new password will be sent to your e-mail address.

33. Who can put a valve on alarm and how ?

Any type of user can put a valve on alarm :

- After an operation, every type of user can decide to check the box “ maintenance required” which will put the valve on alarm
- By editing an operation, every type of user can decide to check/uncheck the box “maintenance required”
- By editing valve’s information, only a superuser or an administrator can decide to check/unckeck the tag valve on alarm

34. I don't have access to all the features mentioned in this manual.

Access to certain features or quotas may vary depending on your subscription. Please refer to the table below for details.

Appendix 1: Details of mobile and web application features

	Web	Mobile
Manage user accounts	✗	✗
Dashboard access (sensors, maintenance date ...)	✗	✗
Display valves list/map	✓	✓
Add valve with complete set up	✓	✓
Add valve with quickset up	✗	✓
Geolocation	✗	✓
Associate and scan a QR code	✗	✓
Edit valve	✓	✓
Duplicate valve	✓	✓
Delete valve	✓	✗
Create and Manage scenario	✓	✗
Perform operations (collect data with the sensor)	✗	✓
Consult operation	✓	✓
Set a reference operation	✓	✓
Edit operation	✓	✓
Compare two operations	✓	✗
Access comparison history	✓	✗
PDF export	✓	✓
CSV & JSON export	✓	✗
Data import	✓	✗
Access to list of resources	✓	✗

Appendix 2: Table of features available by subscription

MOBILE APP	Free	Premium	Extension
Number of valves stored	1	100	+100
Number of measures/valves stored	1	5	-
Geolocation	✗	Yes	-
Valve tags	✗	Yes	-
Free operation	✓	✓	✓
Guided operation	✗	✓	-
PDF reports	✓	✓	-
Apps integration	✗	✓	-

WEB APP			
Number of valves stored	✗	100	+100
Number of measures stored	✗	10	+10
Number of scenarios/valves	✗	5	+10
PDF reports	✗	✓	-
Data Export CSV and JSON	✗	✓	-
Curve Comparison and history	✗	✓	-

ACCOUNTS			
Admin accounts	✗	1	-
Super user accounts	✗	1	+3
User accounts	1	5	+15

Appendix 3: Table of available functions by user level

USER RIGHTS WEB APP

	User	Super user	Admin
Create user account	✗	✗	✓
Edit user account (User -> Super user)	✗	✗	✓
Display valves list/map	✓	✓	✓
Consult valves info	✓	✓	✓
Add valve	✗	✓	✓
Edit valve	✗	✓	✓
Delete valve	✗	✓	✓
Add scenario	✗	✓	✓
Edit scenario	✗	✓	✓
Associate scenario	✗	✓	✓
Delete scenario	✗	✓	✓
Consult operation	✓	✓	✓
Set a reference operation	✗	✓	✓
Delete operation	✗	✓	✓
Compare two operations	✓	✓	✓
CSV & JSON export	✗	✓	✓
Dashboard access	✗	✗	✓
Edit operation	✓	✓	✓

USER RIGHTS PHONE APP

	User	Super user	Admin
Add a valve	✓	✓	✓
Duplicate valve	✓	✓	✓
Consult valve information	✓	✓	✓
Edit valve	✗	✓	✓
Mark a valve as “to be deleted”	✓	✓	✓
Perform operations	✓	✓	✓
Consult operations	✓	✓	✓
Add/edit valve picture	✗	✓	✓
PDF export	✓	✓	✓
Edit operation	✓	✓	✓