

SECON-X

SECON-Server User



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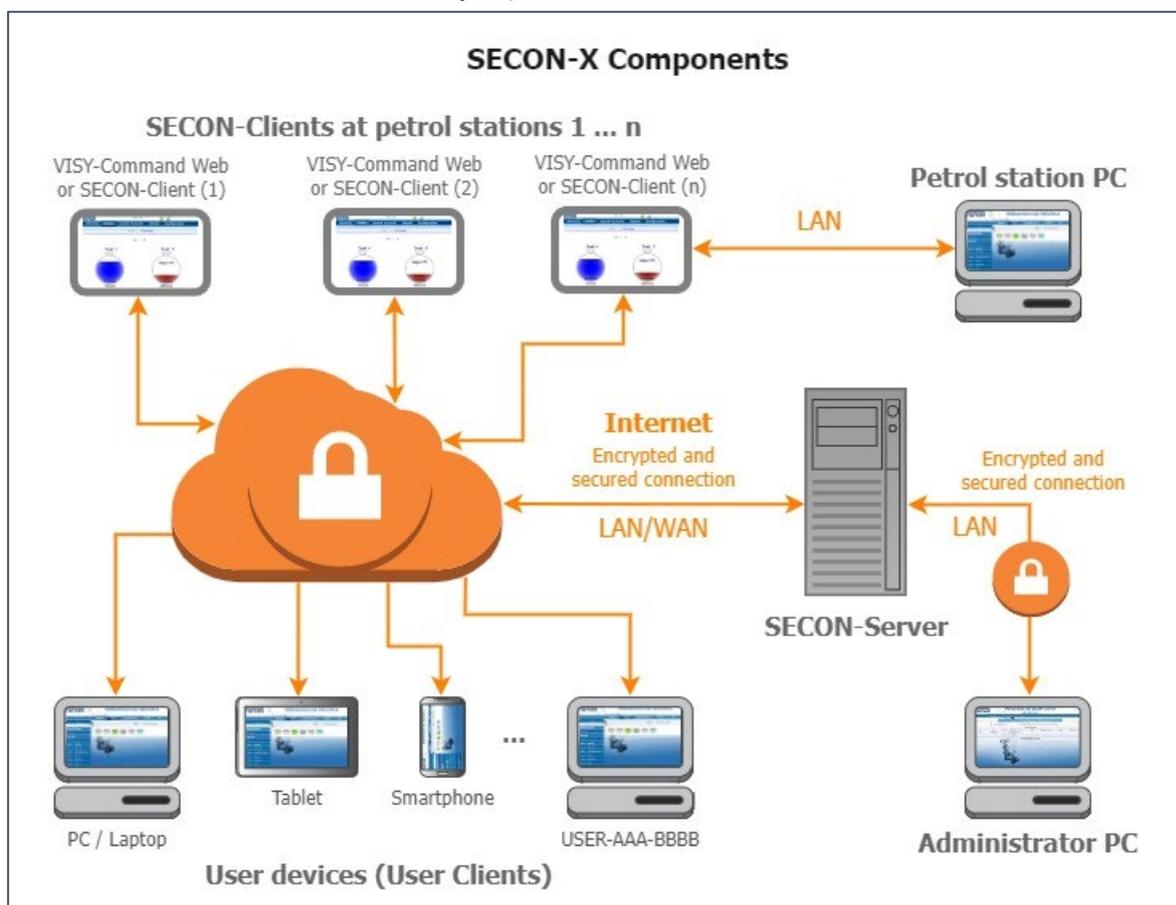
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1 Overview

SECON-X is a universal hardware-software network system for recording, evaluating and displaying gas station data. The system performs the following tasks: Worldwide data access with web interface, local and remote display, remote evaluation, data backup (local and remote), remote diagnosis, and universal data format (XML).

At each single petrol station the data is recorded, displayed and made available locally with one **VISY-Command Web** or by a combination of **VISY-Command/VAPORIX-Control** and **SECON-Client**. A **petrol station PC** connected to the LAN serves as a local application and the **SECON-Server** is used for the worldwide transmission of the data. The data is transmitted to the end devices (user clients) by a protected HTTPS connection.



-  *The term "SECON-Client" is used synonymously for the SECON-Client devices with VISY-Command/VAPORIX-Control and for the VISY-Command Web.*
-  *A network connection is required for the SECON-X components.*
-  *The access to the SECON-Server should preferably be done with the Internet browsers Mozilla Firefox, Google Chrome, or Apple Safari.*
-  *For the web access to the SECON Server or SECON Client, its IP address and the access data (user name and password) are required.*

1.1 SECON-X documentation

This manual describes the website of the SECON server "Welcome to SECON-Server" with the user access.



Other manuals of the SECON-X system are:

SECON-Client (hardware device)	Art. no. 350076
SECON-Client Administrator (local and remote access)	Art. no. 350340
SECON-Client User (remote access)	Art. no. 350175
SECON-Client User (local access)	Art. no. 350263
SECON-Server Installation	Art. no. 350112
SECON-Server Administrator	Art. no. 350088
SECON-X Autocalibration	Art. no. 350342
SECON-X Reconciliation	Art. no. 350344
VAPORIX Flow/Control	Art. no. 207083
VISY-Command	Art. no. 207184
VPS pressure sensors	Art. no. 350204

1.2 Safety Instructions

The SECON-X system is intended for the display, evaluation and storage of petrol station data. Observe and follow all product safety notes and operating instructions. The manufacturer accepts no liability for any form of damage resulting from improper use.

The SECON-X system has been developed, manufactured and tested in accordance with the latest good engineering practices and recognised technical safety regulations. Nevertheless, the system may be a source of danger. The following safety precautions must be observed to reduce the risk of injury, electric shocks, fire or damage to the equipment:

- Do not change or modify the system or add any equipment without the prior consent of the manufacturer.
- Only use original parts. These comply with the technical requirements specified by the manufacturer.
- The installation, operation and maintenance of the devices may only be carried out by qualified personnel.
- Operators, installers and service technicians must comply with all applicable safety regulations. This also applies to any local safety and accident prevention regulations which are not stated in this manual.



Not observing these safety instructions result in the risk of accident or damages to the system.

2 SECON-Server (User)

On the SECON-Server User website with the title "Welcome to SECON-Server" the data of all filling stations connected to the SECON-Server is shown (level measurement, environmental sensors, VAPOR recovery, alarms and software version).

Depending on the registered **services** (SECON-VAP, SECON-VAP+, SECON-LEV, SECON-LEV+), the related functions are activated, see technical documentation:



SECON-Client Administrator, chapter "Services", art. no. 350340

2.1 Notes



Additional information is sometimes displayed when the mouse moves over individual devices or functions (mouseover).



The measured values are automatically updated approx. every 10 minutes displayed in the "Last update" column. The <Refresh> button can be used to manually refresh the data that is returned by the server after a short processing time.

2.2 Login

Access to the website is password-protected for each individual user.



Please ask the administrator of the SECON-Server for your login data.

- » Enter the following IP address in the address line of the Internet browser:
`https://SECON-Server-IP` where "SECON-Server-IP" must be replaced with the IP address of the SECON-Server.
- » Enter the following login data and confirm with <Save>:
User name: is generated for each user during the SECON-Server installation or assigned by the administrator
Password: is generated for each user during the SECON-Server installation or assigned by the administrator
- » It opens the "Welcome to SECON-Server" web page displaying the logged-in user (USER-...) and the IP address of the SECON-Server (IP:...).

2.3 Menu "View"

2.3.1 Table

The list of the connected devices with information about the petrol station, status and connection (online/offline) is displayed here:

No.	IDs	Address	Status	Online
2	ECON-063-0001 -	Petrol Station, Street No. 1, 22525, Hamburg, Germany	OK	yes
3	ECON-063-0002 -	This SECON (Petrol Station) was not online yet.	-	-

The display can be filtered according to the criteria alarms, IDs, address, and online/offline.

No.	IDs	Address	Status
1	ECON-063-0003 1	Petrol Station, Street No. 1, 22525, Hamburg, Germany	OK
2	ECON-063-0001 -	This SECON (Petrol Station) was not online yet.	-
3	ECON-063-0002 -	This SECON (Petrol Station) was not online yet.	-
4	ECON-063-0004 -	This SECON (Petrol Station) was not online yet.	-
5	ECON-063-0005 -	This SECON (Petrol Station) was not online yet.	-

2.3.2 OSMMap

View of the geographic location of the SECON devices: The display can be filtered by the type of devices (all devices, tanks, VAPORIX, oil separators, environmental sensors):



The needle color indicates the device status: green = OK, yellow = warning, red = alarm. With a click (left mouse button) on a needle, the associated station is displayed in the compact representation with the current measured values and alarms.

2.3.3 Station

The monitored objects of the petrol station selected in the "Station:" field are displayed here. The display of these objects can be filtered by data, alarms, station, city, ID or online/offline:



Clicking on a specific object opens the respective detailed view, see the chapter "Data" in the menus **ATG**, **Environmental Sensors**, or **VAPOR**.

When moving the mouse over an object (tank, environmental sensor, fuelling point) the details are displayed as a floating window, here as an example the **mouseover display of Tank 1**:



2.4 Menu "ATG"



2.4.1 Product Qualities

The defined product qualities of the logged-in user are listed here, including those without measured values, their cumulative volumes and ullage.

ID	Name	Color	Data	Measurement values
1	Regular		Stations 0	Σ (Volume) 0.0 L
			Tanks 0	Σ (Ullage) 0.0 L
2	Super 95		Stations 1	Σ (Volume) 10872.1 L
			Tanks 1	Σ (Ullage) 11627.9 L
3	Diesel		Stations 1	Σ (Volume) 9655.9 L
			Tanks 1	Σ (Ullage) 12844.1 L
4	Di-Diesel		Stations 1	Σ (Volume) 9593.6 L

2.4.2 Tanks

The status of the petrol stations, all tanks and fill levels of the logged-in user are displayed here in brief:

No.	Status IDs Address	Tanks	Last Update
1	OK ECON-063-0003 / 1 Petrol Station, Street No. 1, 22525, Hamburg, Germany		2023-02-14 08:42:45 Refresh

Clicking on a specific tank opens the detailed view, see the following chapter "Data". When moving the mouse over a tank, the details are displayed as a floating window, here as an example the **mouseover display of Tank 1**

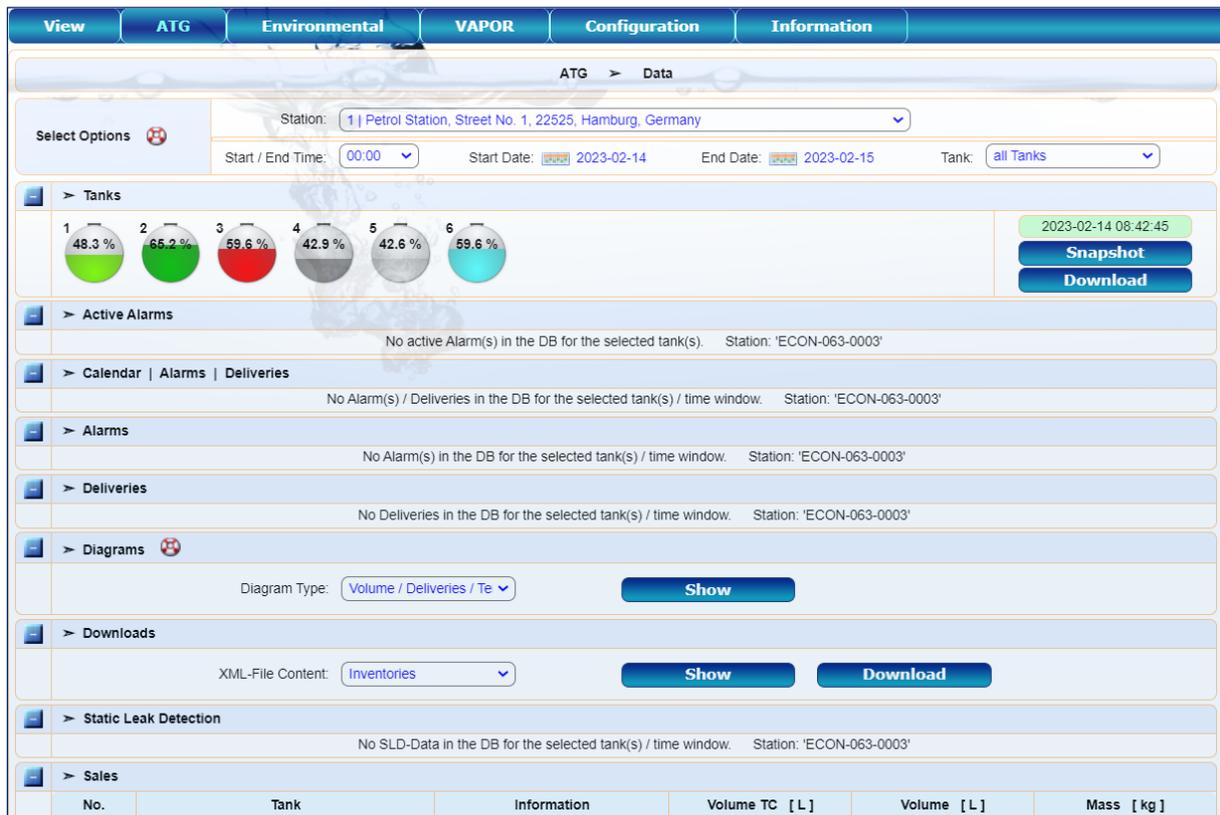
Tank 1 'Super 95'	
Volume	10872.1 L
Volume TC	10924.3 L
Ullage	11627.9 L
Level	1121.9 mm
Temperature	11.0 °C
Water level	55.5 mm
Density	-- g/L
Configuration	
Nominal vol.	25000.0 L
Capacity	22500.0 L
Safety vol.	2500.0 L
Comp. Temperature	15.0 °C

2.4.3 Data

Detailed view of the fuel data of a selected petrol station.

In the selection fields of "**Select Options**" the data of a specific petrol station, a period (start time/date, end time/date), and one or all tanks can be selected for display or download.

Details can be expanded or reduced using the plus-minus buttons in the left column:



The screenshot shows the 'Data' view for a selected petrol station. The interface includes a navigation bar with tabs for View, ATG, Environmental, VAPOR, Configuration, and Information. The main content area is titled 'ATG > Data' and contains several sections:

- Select Options:** Station: 1 | Petrol Station, Street No. 1, 22525, Hamburg, Germany; Start / End Time: 00:00; Start Date: 2023-02-14; End Date: 2023-02-15; Tank: all Tanks.
- Tanks:** Six tanks are displayed with their current fuel levels: Tank 1 (48.3%), Tank 2 (65.2%), Tank 3 (59.6%), Tank 4 (42.9%), Tank 5 (42.6%), and Tank 6 (59.6%). A 'Snapshot' and 'Download' button are available for the selected tanks.
- Active Alarms:** No active Alarm(s) in the DB for the selected tank(s). Station: 'ECON-063-0003'
- Calendar | Alarms | Deliveries:** No Alarm(s) / Deliveries in the DB for the selected tank(s) / time window. Station: 'ECON-063-0003'
- Alarms:** No Alarm(s) in the DB for the selected tank(s) / time window. Station: 'ECON-063-0003'
- Deliveries:** No Deliveries in the DB for the selected tank(s) / time window. Station: 'ECON-063-0003'
- Diagrams:** Diagram Type: Volume / Deliveries / Te. A 'Show' button is available.
- Downloads:** XML-File Content: Inventories. 'Show' and 'Download' buttons are available.
- Static Leak Detection:** No SLD-Data in the DB for the selected tank(s) / time window. Station: 'ECON-063-0003'
- Sales:** A table with columns: No., Tank, Information, Volume TC [L], Volume [L], and Mass [kg].

Tanks: Compact representation of the tanks with the level display in percent. When you select a specific tank, its detail view opens. With the "**Snapshot**" button, the current data of the selected tanks is displayed in a separate window. With the "**Download**" button, a report is generated for the selected tanks and period and will be downloaded in XML format.

Active Alarms: List of active alarms with a brief description and date

Calendar: List of alarms and deliveries with date and number of alarms

Alarms List of historical alarms with brief description, date and confirmation

Deliveries: List of deliveries with date and delivery details

Diagrams: Display of the deliveries or the tank table of a selected tank in graphic representation and tables of measured values

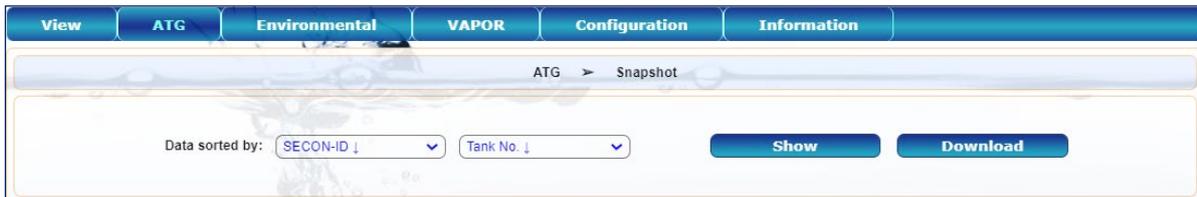
Downloads: Display of the tank data in a separate browser window, or as a download in XML format

Static Leak Detection: The Static Leakage Detection is used to check the tank levels for possible losses caused by leakage or theft while the station is closed (e.g. overnight)!

Sales: Info on the volume and mass sold of each tank

2.4.4 Snapshot

Like the "Data" menu, the "Snapshot" menu contains the current data of the logged-in user, which additionally can be filtered and sorted here according to various criteria. The sorted data is displayed in a separate window with the "Show" button or can be downloaded in XML format with "Download":



Tank	Product name	date-time	Volume [L]	Ullage [L]
ECON-063-0003 1 Petrol Station, Street No. 1, 22525, Hamburg, Germany				
1	Super 95	2023-01-27T10:01:19Z	10872.1	11627.9
2	Super E10	2023-01-27T10:01:19Z	14673.8	7826.2
3	Super Plus	2023-01-27T10:01:19Z	13413.8	9086.2
4	Diesel	2023-01-27T10:01:19Z	9655.9	12844.1
5	BioDiesel	2023-01-27T10:01:19Z	9593.6	12906.4
6	LPG	2023-01-27T10:01:19Z	576.6	3423.4

2.4.5 Sales

The "Sales" menu contains the sales data provided by the POS (tank, product quality, time, delivery quantity) of the registered user, which can be filtered and sorted here according to various criteria. The sorted data is displayed in a separate window with the "Show" button or can be downloaded in XML format with "Download":



2.5 Menu "Environmental"

All configured environmental sensors of the logged in user are displayed here.

The "Oil Separators" menu contains a summary of the oil separators data. The "Data" menu contains the details of all environmental sensors. After selecting a group (Oil Separators / Data), a new window opens with the data and status display.



2.5.1 Oil Separators

The status of the petrol stations and all oil separators of the logged-in user are displayed here in brief:



Clicking on a specific oil separator opens the detailed view, see the following chapter "Data".

When moving the mouse over an oil separator, the details are displayed as a floating window, here as an example the **mouseover display of oil separator 2**

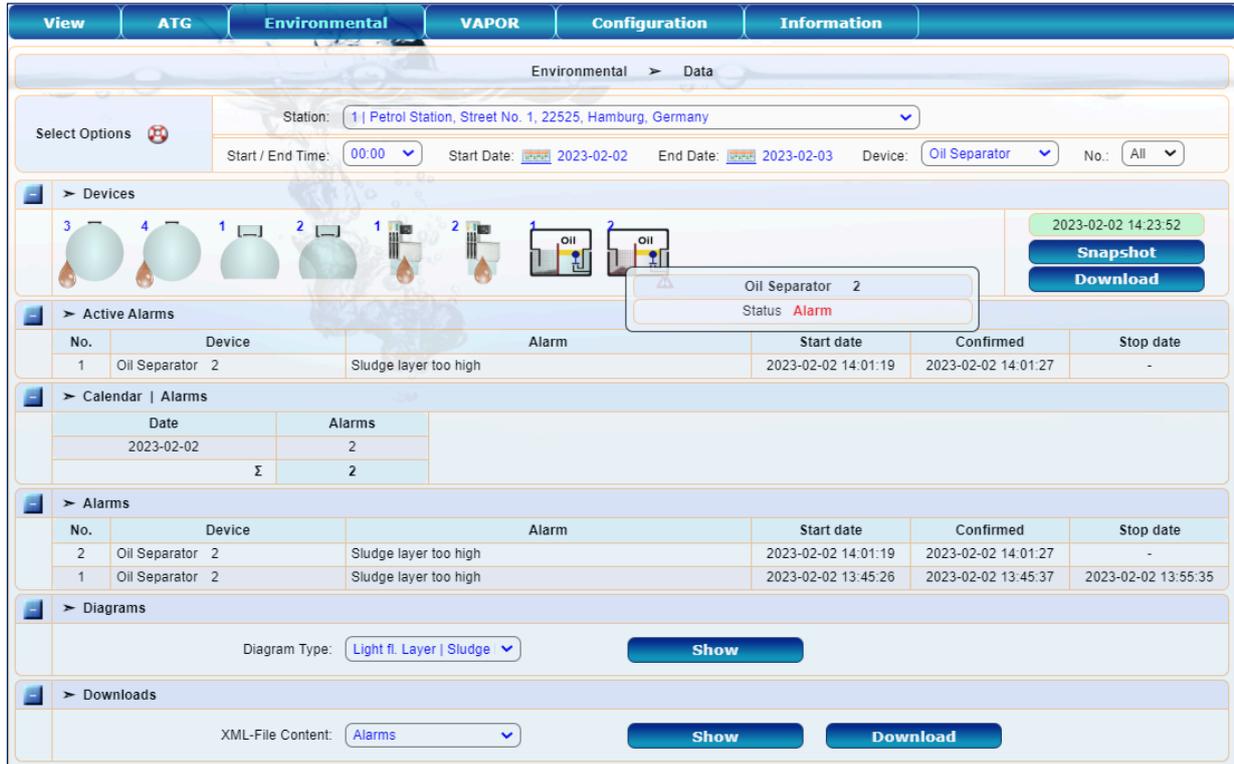


2.5.2 Data

Detailed view of the environmental sensor data from a selected petrol station.

In the selection fields of "**Select Options**" the data of a specific petrol station, a period (start time/date, end time/date), and one or all devices can be selected for display or download.

Details can be expanded or reduced using the plus-minus buttons in the left column:



The screenshot shows the "Environmental" data view for a petrol station. The station name is "1 | Petrol Station, Street No. 1, 22525, Hamburg, Germany". The selected device is "Oil Separator". The time period is from 00:00 on 2023-02-02 to 2023-02-03. The interface displays a list of devices, active alarms, a calendar of alarms, a list of all alarms, a diagram type selector, and download options for XML files.

No.	Device	Alarm	Start date	Confirmed	Stop date
1	Oil Separator 2	Sludge layer too high	2023-02-02 14:01:19	2023-02-02 14:01:27	-

Date	Alarms
2023-02-02	2
Σ	2

No.	Device	Alarm	Start date	Confirmed	Stop date
2	Oil Separator 2	Sludge layer too high	2023-02-02 14:01:19	2023-02-02 14:01:27	-
1	Oil Separator 2	Sludge layer too high	2023-02-02 13:45:26	2023-02-02 13:45:37	2023-02-02 13:55:35

Devices: Compact representation of the environmental sensors. A **warning triangle** signals an existing alarm. When you select a specific device, its detail view opens. With the "**Snapshot**" button, the current data of the selected devices are displayed in a separate window. With the "**Download**" button, a report is generated for the selected devices and period and will be downloaded in XML format.

Active Alarms: List of active alarms with a brief description and date

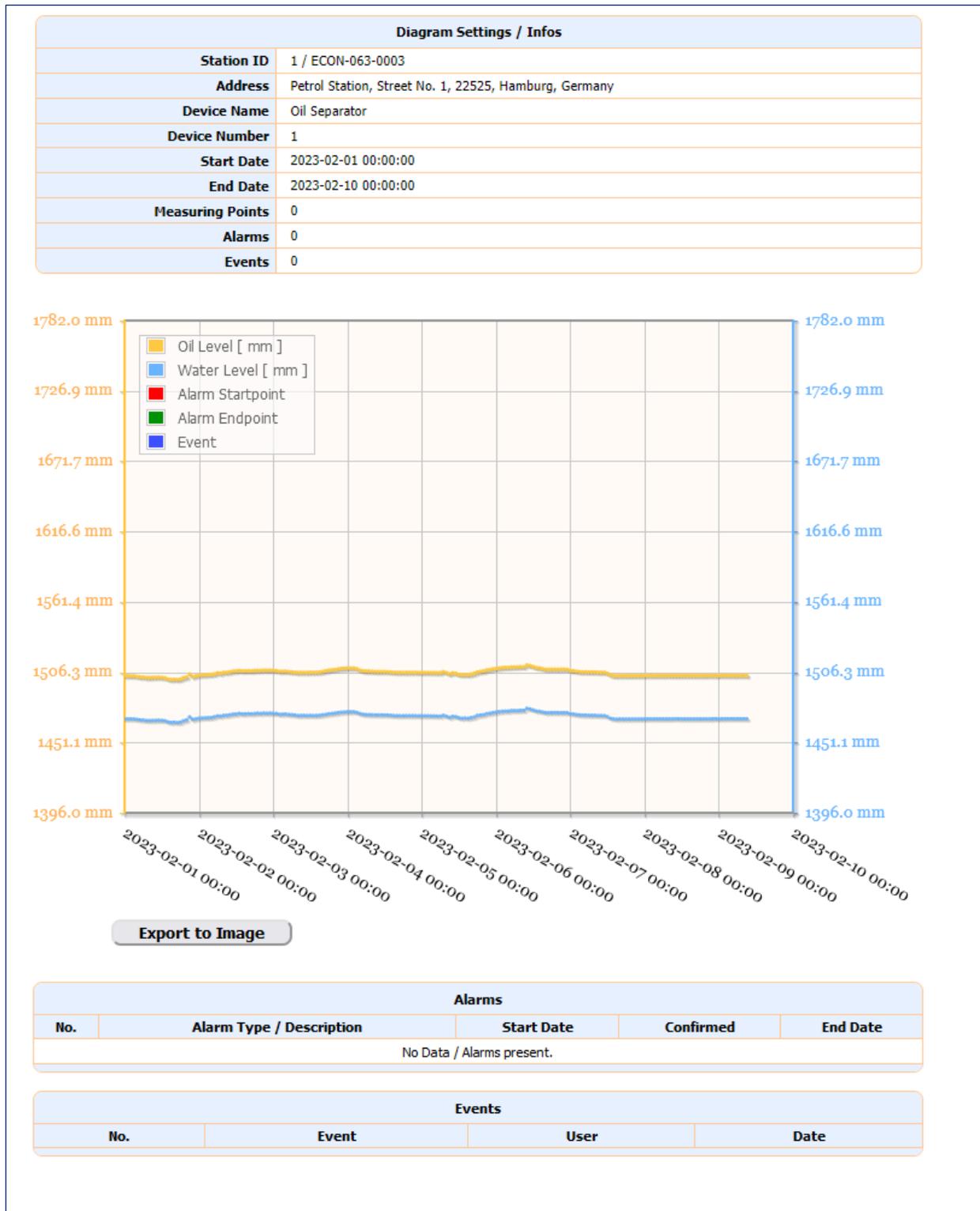
Calendar alarms: List of alarms with date and number of alarms

Alarms: List of historical alarms with brief description, date and confirmation

Diagrams: Graphical display of selectable oil separator data and tables of measured values, e.g. for light liquid layer, sludge, water and associated oil separator alarms

Downloads: Display of alarms, events and logbook entries in a separate browser window, or download in XML format

2.5.3 Oil Separator Diagram



2.6 Menu "VAPOR"



The screenshot shows the SECON-Server interface with the VAPOR menu selected. The header includes the FAFNIR logo, the text "Welcome to SECON-Server", and several flags. Below the header is a navigation bar with tabs: View, ATG, Environmental, VAPOR (selected), Configuration, and Information. Under the VAPOR tab, there are sub-tabs: Fuelling Points, Data, and Snapshot. A table below displays data for a fuelling point:

No.	IDs	Status	Online
1	ECON-063-0002 1	OK	connect

2.6.1 Fuelling Points

The fuelling points of all petrol stations are listed here with alarm indication:



The screenshot shows the Fuelling Points list in the SECON-Server interface. The navigation bar is the same as in the previous screenshot. The table below lists the fuelling points:

No.	Status IDs Address	Fuelling Points	Last Update
1	OK ECON-063-0003 / 1 Petrol Station, Street No. 1, 22525, Hamburg, Germany		2023-02-03 13:51:50 Refresh

Clicking on a specific fuelling point opens the detailed view, see the following chapter "Data".

When moving the mouse over a fuelling point, the details are displayed as a floating window, here as an example the mouseover display FP 1



The screenshot shows a floating window titled "Zapfpunkt 1" with the following details:

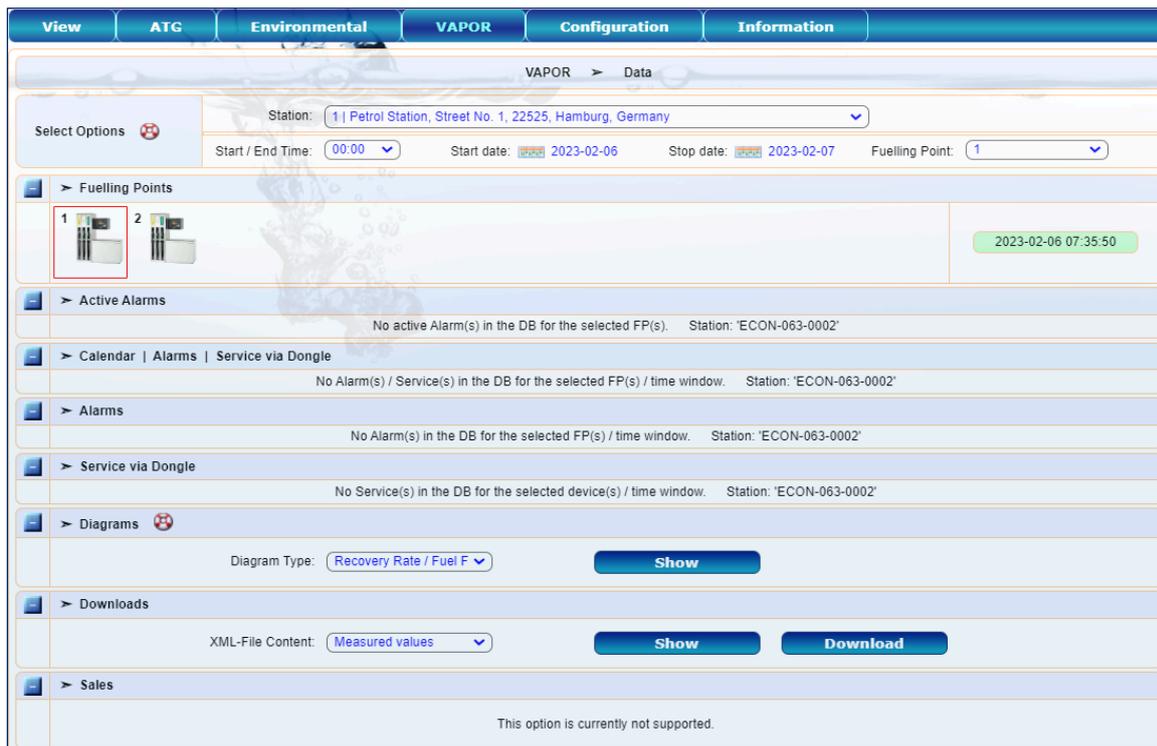
- Controller ID: 68755
- Seite: 1
- Letzte Aktualisierung: 2022-04-21 08:08:18

2.6.2 Data

Detailed view of the fuelling point data from a selected petrol station.

In the selection fields of "Select Options" the data of a specific petrol station, a period (start time/date, end time/date), and one or all fuelling points can be selected for display or download.

Details can be expanded or reduced using the plus-minus buttons in the left column:



The screenshot shows the VAPOR Data interface with the following sections:

- Select Options:** Station: 1 | Petrol Station, Street No. 1, 22525, Hamburg, Germany; Start / End Time: 00:00; Start date: 2023-02-06; Stop date: 2023-02-07; Fuelling Point: 1
- Fuelling Points:** Shows two fueling points (1 and 2) with a warning triangle next to point 1. A date stamp indicates 2023-02-06 07:35:50.
- Active Alarms:** No active Alarm(s) in the DB for the selected FP(s). Station: 'ECON-063-0002'
- Calendar | Alarms | Service via Dongle:** No Alarm(s) / Service(s) in the DB for the selected FP(s) / time window. Station: 'ECON-063-0002'
- Alarms:** No Alarm(s) in the DB for the selected FP(s) / time window. Station: 'ECON-063-0002'
- Service via Dongle:** No Service(s) in the DB for the selected device(s) / time window. Station: 'ECON-063-0002'
- Diagrams:** Diagram Type: Recovery Rate / Fuel F; Show button.
- Downloads:** XML-File Content: Measured values; Show and Download buttons.
- Sales:** This option is currently not supported.

Fuelling Points: Compact representation of the fuelling points. A warning triangle signals an existing alarm.

Active Alarms: List of active alarms with a brief description and date

Calendar: List of alarms with date and number of alarms

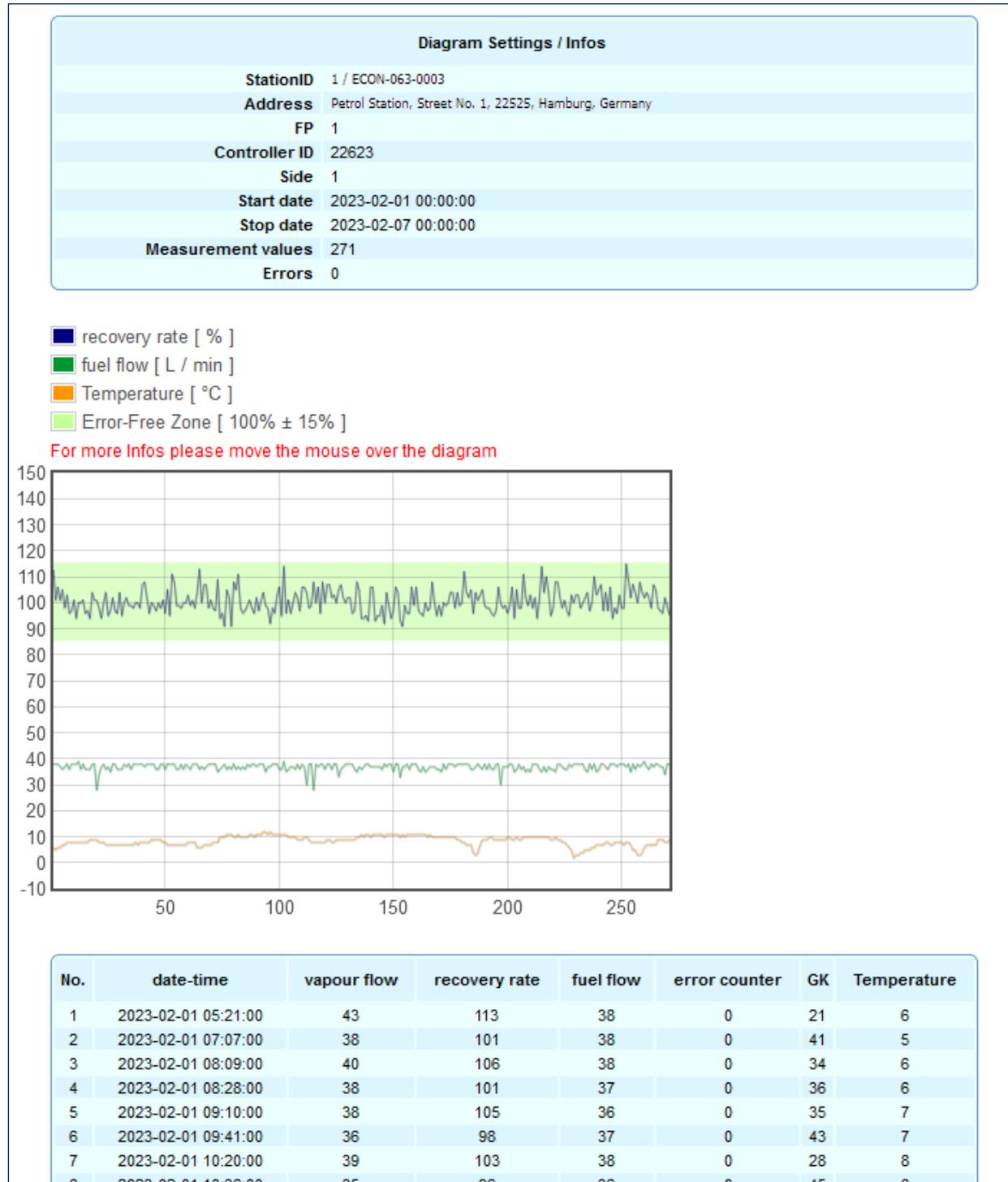
Alarms: List of historical alarms with brief description, date and confirmation

Diagrams: Display of the data of a selected fuelling point (recovery rate, fuel flow, temperature) in graphic representation and tables of measured values

Downloads: Display of the "Measured values, Services, Alarms, or all" in a separate browser window, or download in XML format

Sales: This option is currently not available

Diagram Fuelling Point 1



2.6.3 Snapshot

The snapshot contains the current vapour recovery data of the logged in user. It can be filtered and sorted according to various criteria. The data is displayed with the "Show" button or downloaded with "Download":



FP	Side	Controller ID	DateTime	LastRequest	Status	Information
ECON-063-0003 1 Petrol Station, Street No. 1, 22525, Hamburg, Germany						
1	1	22756	2023-02-06 08:21:42	2023-02-06 08:12:52	OK	-
2	2	22756	2023-02-06 08:21:42	2023-02-06 08:02:49	OK	-

2.7 Menu "Configuration"



The alarm notification via e-mail is configured in the "Configuration" menu.

The access to this menu is password-protected.

 *The alarm configuration is only possible after entering the data of the e-mail account.*

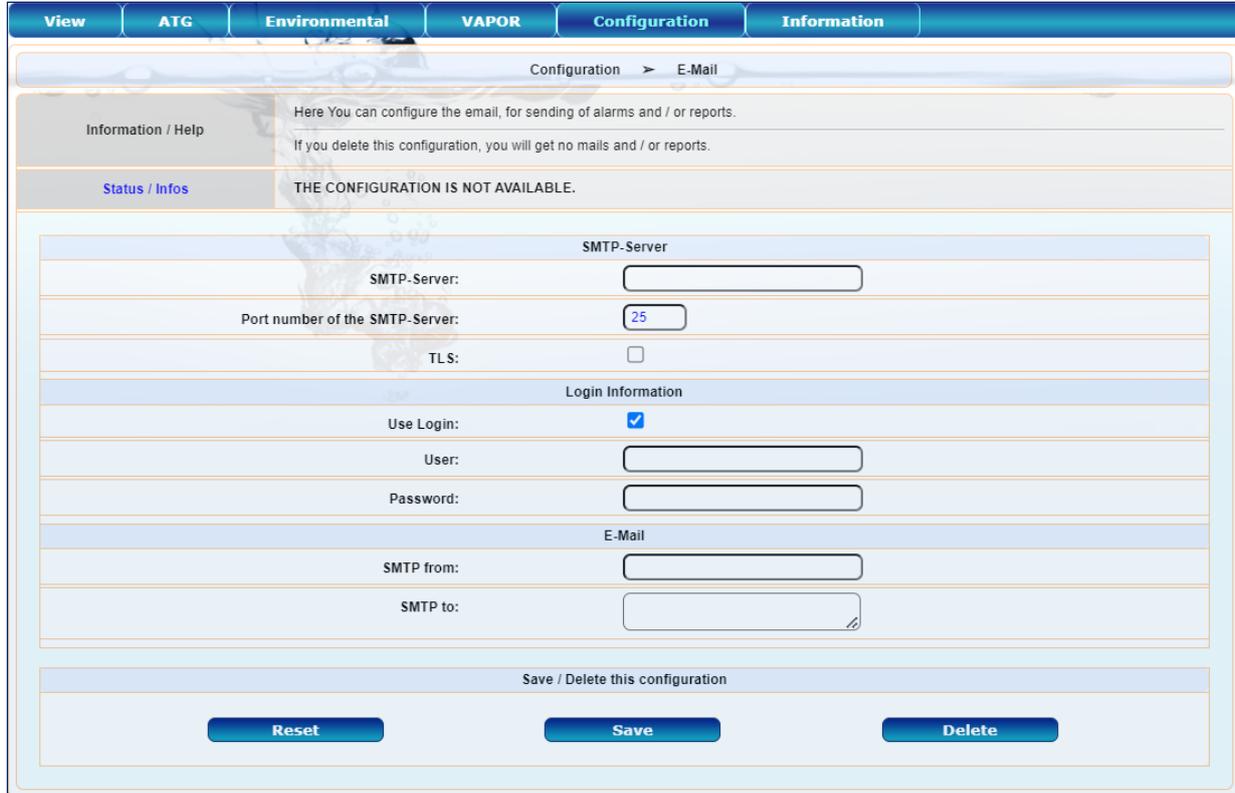
» Select the menu item E-Mail, enter the following login data and confirm with [Save]:

User: `fafnir`
 Password: `fafnir22765`



2.7.1 Configuration - E-Mail

For automatic sending of alarm e-mails, the connection data of the SMTP server and the e-mail account must be entered and saved here.



View	ATG	Environmental	VAPOR	Configuration	Information
Configuration > E-Mail					
Information / Help	Here You can configure the email, for sending of alarms and / or reports. If you delete this configuration, you will get no mails and / or reports.				
Status / Infos	THE CONFIGURATION IS NOT AVAILABLE.				
SMTP-Server					
SMTP-Server:		<input type="text"/>			
Port number of the SMTP-Server:		<input type="text" value="25"/>			
TLS:		<input type="checkbox"/>			
Login Information					
Use Login:		<input checked="" type="checkbox"/>			
User:		<input type="text"/>			
Password:		<input type="text"/>			
E-Mail					
SMTP from:		<input type="text"/>			
SMTP to:		<input type="text"/>			
Save / Delete this configuration					
<input type="button" value="Reset"/>		<input type="button" value="Save"/>		<input type="button" value="Delete"/>	

After the data has been saved, automatically a test e-mail is tried to be send to the entered recipient. If the transmission was successful, a corresponding message appears in the status field:



View	ATG	Environmental	VAPOR	Configuration	Information
Configuration > E-Mail					
Information / Help	Here You can configure the email, for sending of alarms and / or reports. If you delete this configuration, you will get no mails and / or reports.				
Status / Infos	A test email was sent successfully ! This configuration was saved successfully ! NOW IS THE CONFIGURATION COMPLETE.				



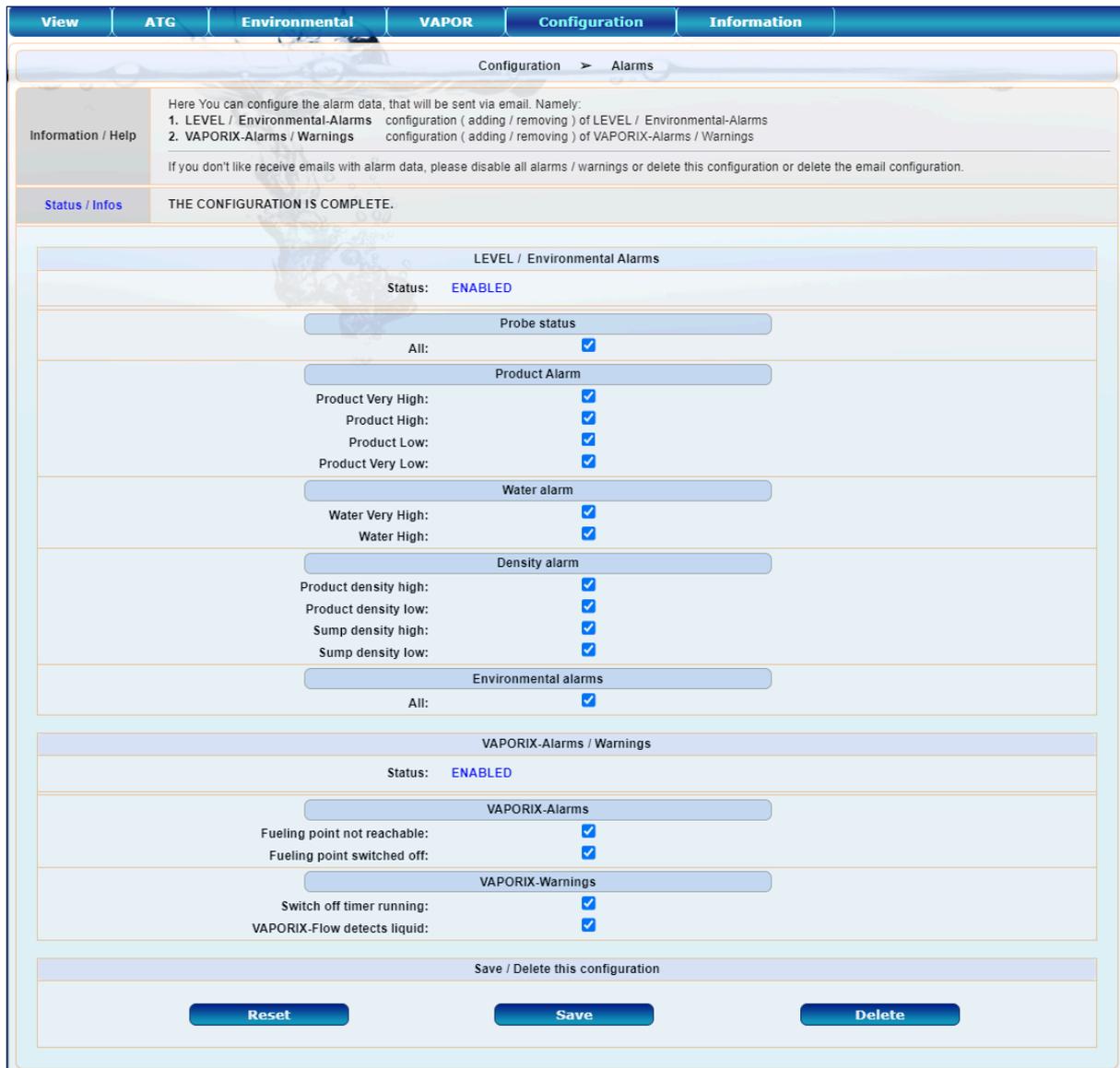
If the e-mail configuration is incorrect, no test e-mail can be sent and a corresponding error message appears in the status field:



Status / Errors	An error was detected while sending the e-mail: ([Errno -2] Name or service not known).
-----------------	---

2.7.2 Configuration - Alarms

After successful e-mail configuration, the desired alarms can be selected and saved in the "Alarms" submenu:



2.7.3 Alarm - E-Mail

If the selected alarms now occur, e-mails with information about the petrol station concerned and the alarm are sent to the configured recipient:

Warning / Alarm - Information generated by the SECON server	
Station IDs	1 ECON-xxx-xxxx
Address	Petrol Station, Street No. 1, 22525 , Hamburg, Germany
Warning(s) / Alarm(s)	2023-01-05 09:57:01 Alarm VISY-Stick 2 Sonda non risponde

2.8 Menu "Info"



Welcome to SECON-Server

USER:999-0007 IP: 172.28.101.143

View | ATG | Environmental | VAPOR | Configuration | Information

Information > Software Version

Software Version

Software License

Application	Software Version
Web-GUI	2.2.21.12
Translation	2.0.2

2.8.1 Software Version

View	ATG	Environmental	VAPOR	Configuration	Information
Information > Software Version					
Application		Software Version			
Web-GUI		2.2.21.12			
Translation		2.0.2			

2.8.2 Software Licence

The menu item "Software licence" is not supported yet.



View | ATG | Environmental | VAPOR | Configuration | Information

Information > Software License

Software License

Currently this option is not supported.

Blank Page

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