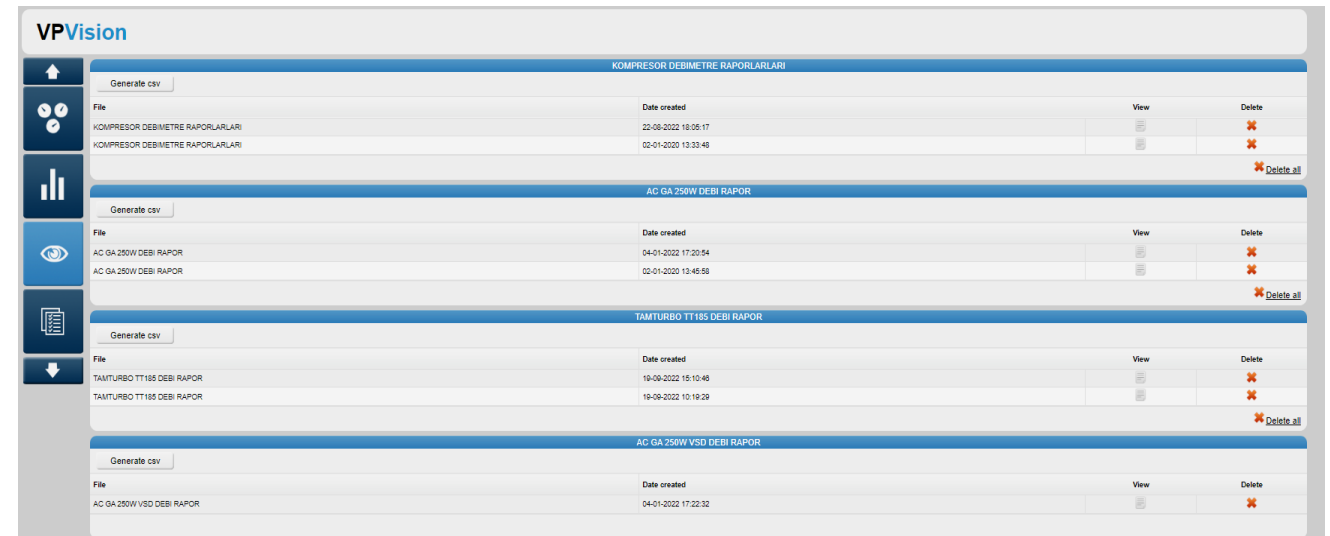
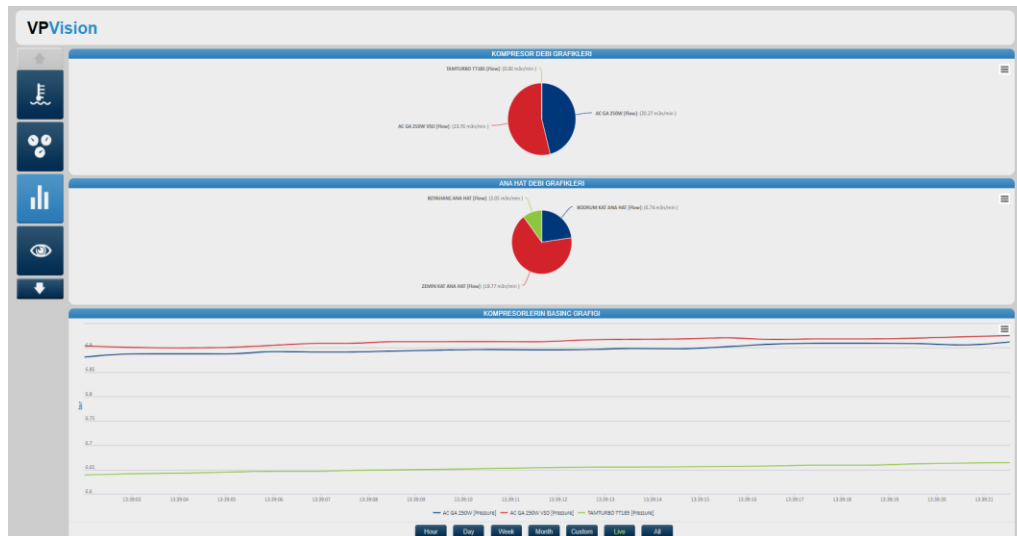
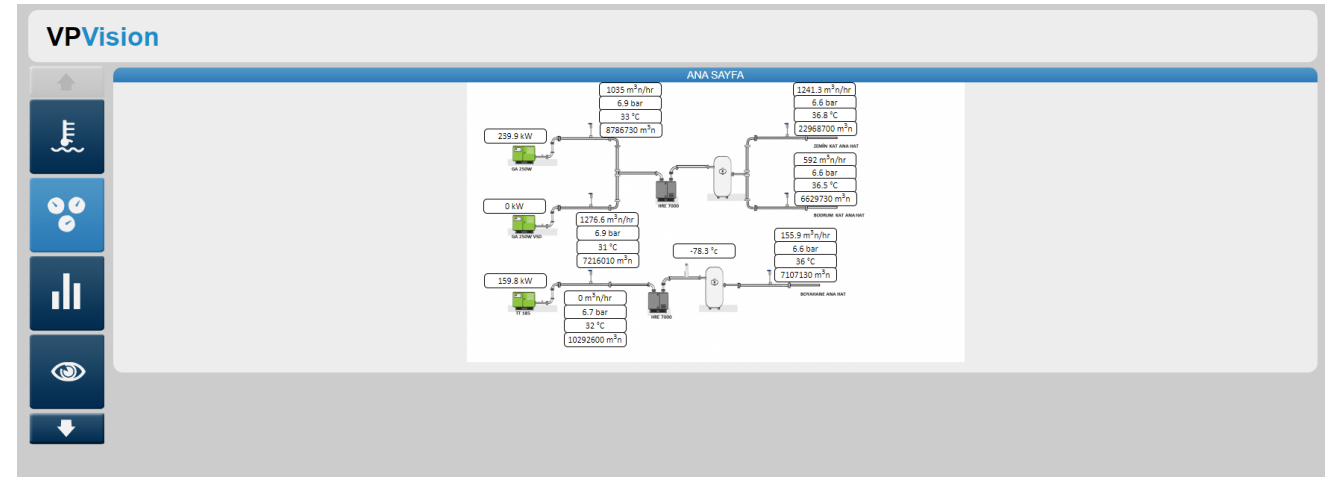
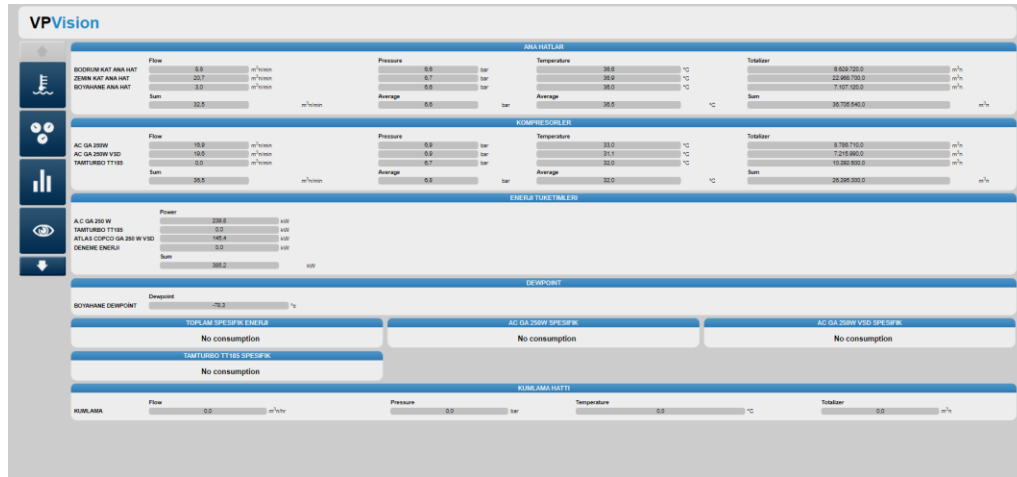


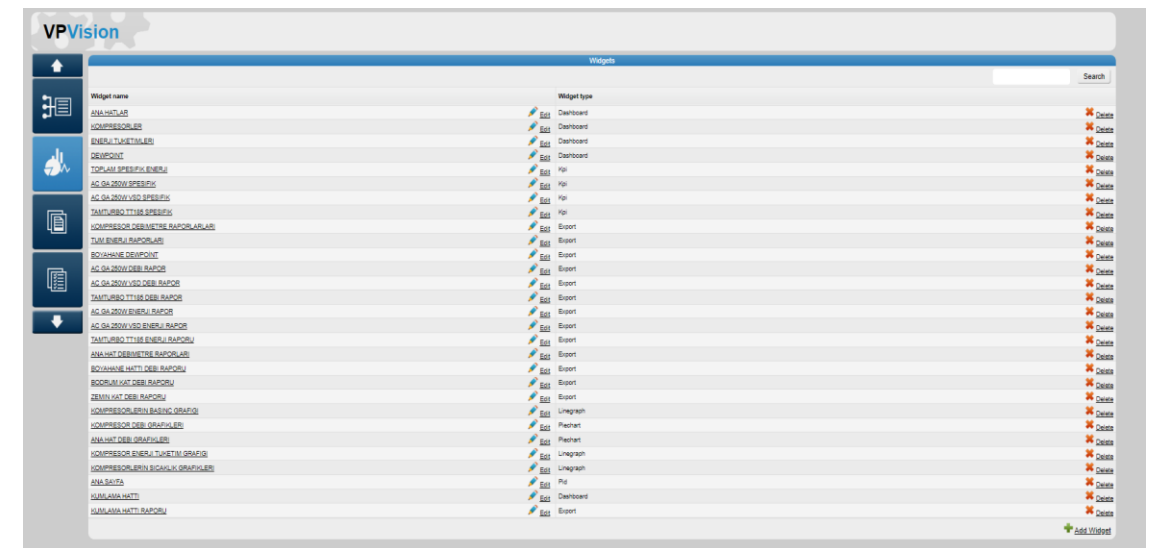
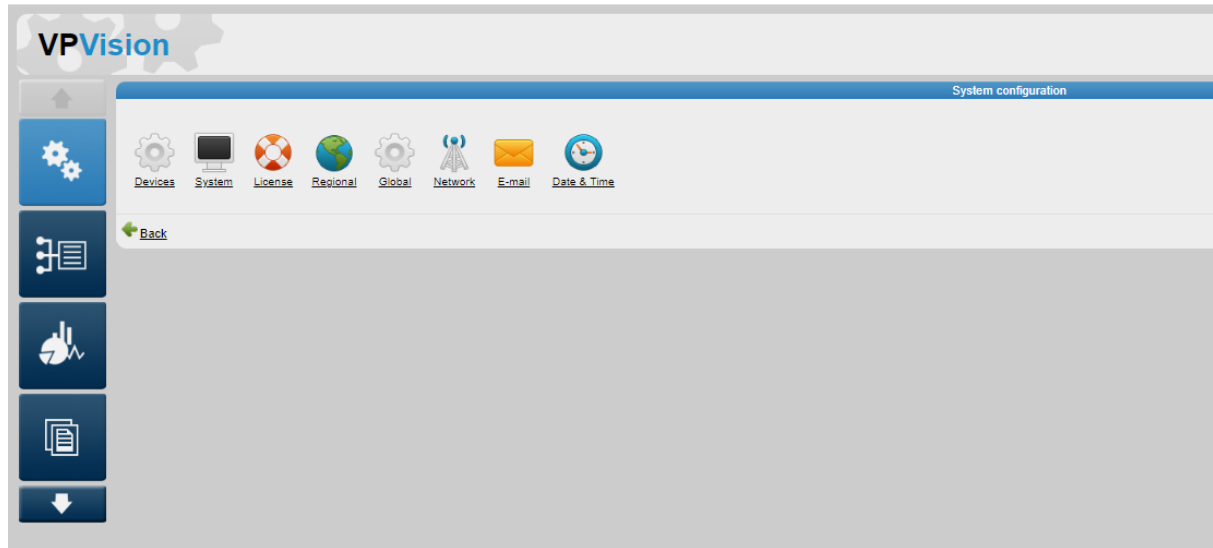
VPVision Improvements



VPVision 3.4



VPVision 3.4



Serial number 5400254

Software version 3.4.4

Free disk space 4.03 GB / 9.49 GB

Database size 9.04 GB

Custom ntp server Leave empty to use pool

Date utc 16-07-2024

Time utc 11:58:49

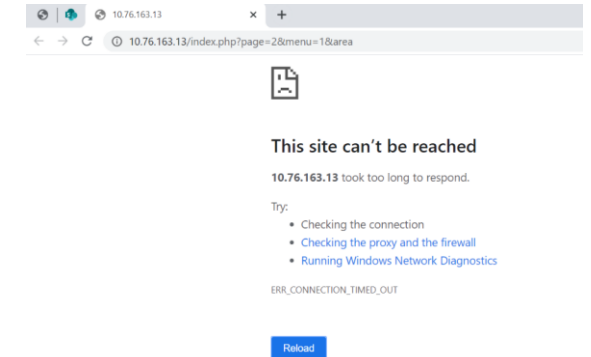
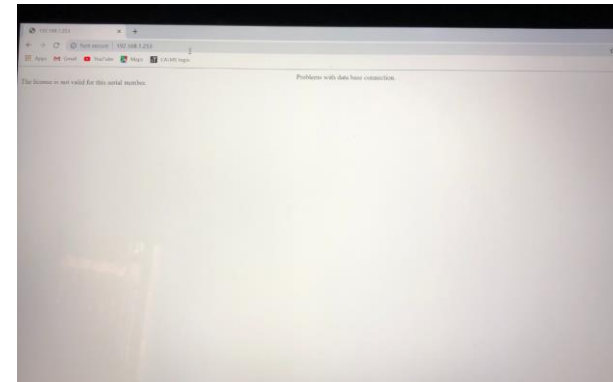
Back

Network configuration						
Network interface	Edit	Mode	IP address	Netmask	Gateway	Status
eth0		static	192.168.1.253	255.255.255.0	192.168.1.254	Disconnected
eth1		static	10.0.0.1	255.255.255.0	10.0.0.254	Connected
eth2		static	10.45.35.40	255.255.255.0	10.45.35.254	Connected
eth3		dhcp				Disconnected
Back Refresh						

Historical Issues

- CentOS 7 : End of Life
- Broken URLs
- Non-functional CSV export
- Network interface configuration issues
- License related issues
- Incorrect number formatting
- Unresponsive or frozen widgets
- Virtual input support for the widgets
- Report issues , Broken reports
- Data storage issues
- Non-functional alarm

- Incorrect totalizer values
- Time and Date issues
- Data acquisition issues



System Chart 1

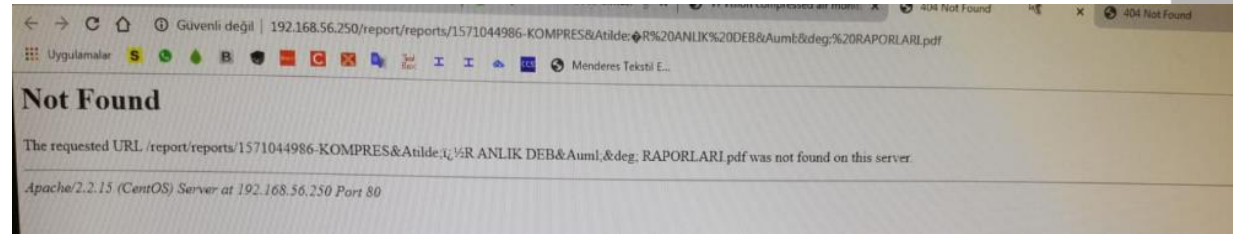


Dashboard

	Flow	Pressure	Temperature	Totalizer
Flow 1 Paint Shop	m³/h/min	bar	°C	m³/h
Flow 2 Body Shop	m³/h/min	bar	°C	m³/h
Flow 3 Skid Cleaning Room	m³/h/min	bar	°C	m³/h
Flow 4 UA Shop	m³/h/min	bar	°C	m³/h
Flow 5 Final Shop	m³/h/min	bar	°C	m³/h
Flow 6 KD Shop 1	m³/h/min	bar	°C	m³/h
Flow 7 KD Shop 2	m³/h/min	bar	°C	m³/h
Flow 8 KD Shop 3	m³/h/min	bar	°C	m³/h
Flow 9 Frame Shop	m³/h/min	bar	°C	m³/h
	Summarisation	Average	Average	Summarisation
	m³/h/min	bar	°C	m³/h

Voltage Meter

	Voltage	Voltage	Voltage
Power Meter 2	V	V	V
Power Meter 3	V	V	V
Power Meter 5	V	V	V
Power Meter 6	V	V	V
Power Meter 7	V	V	V
Power Meter 8	V	V	V
	Average	Average	Average
	V	V	V



500 | SERVER ERROR

VPVision

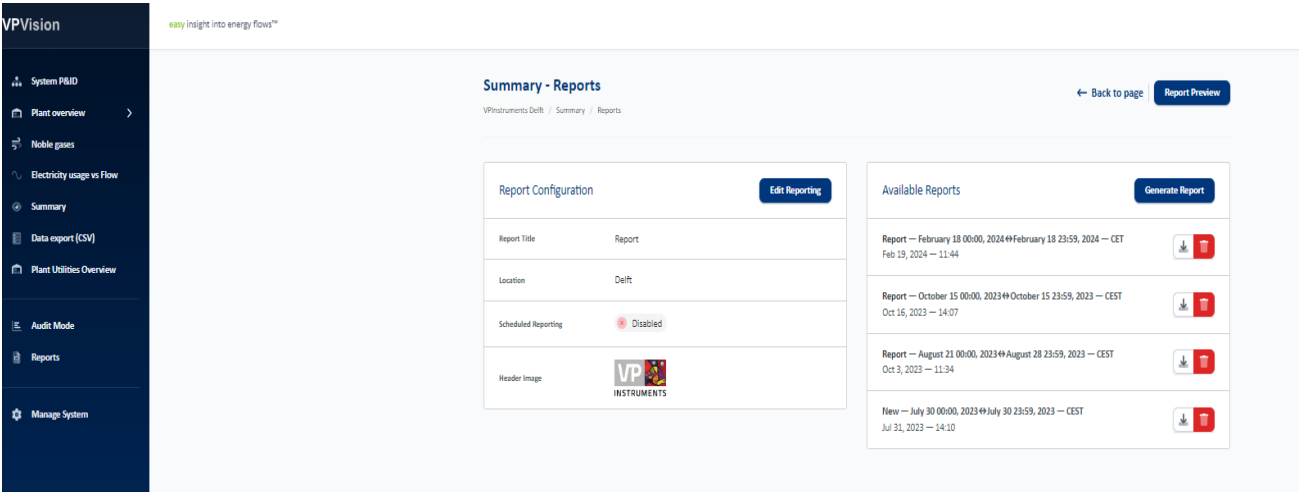
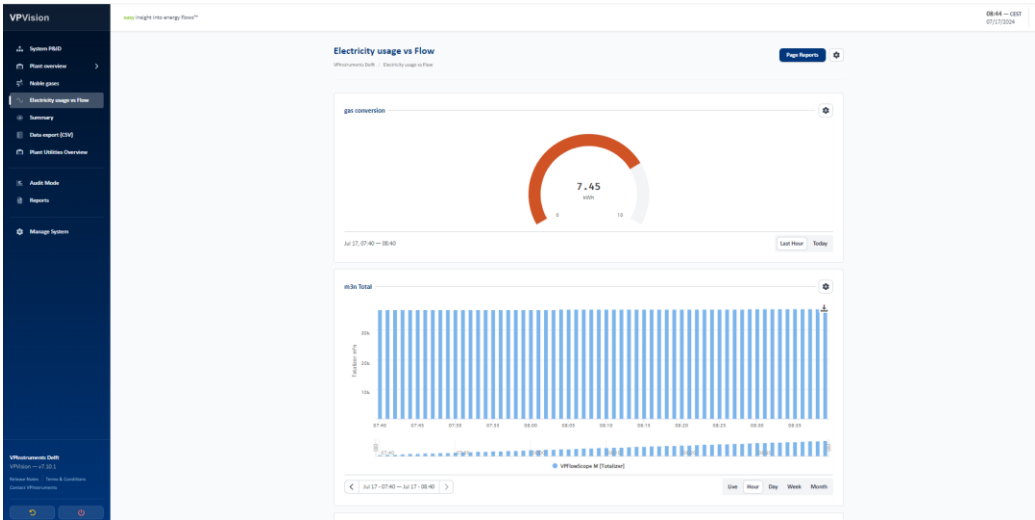
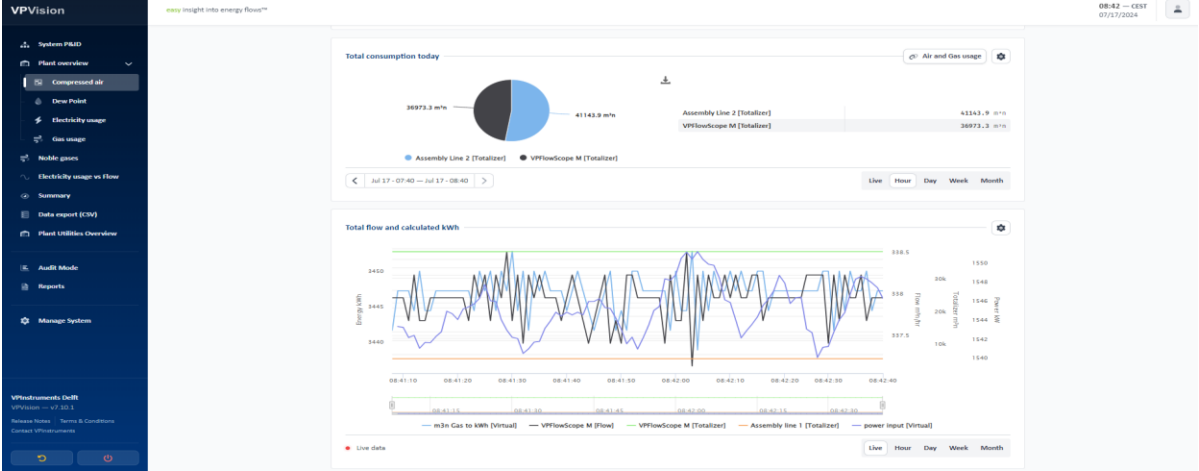
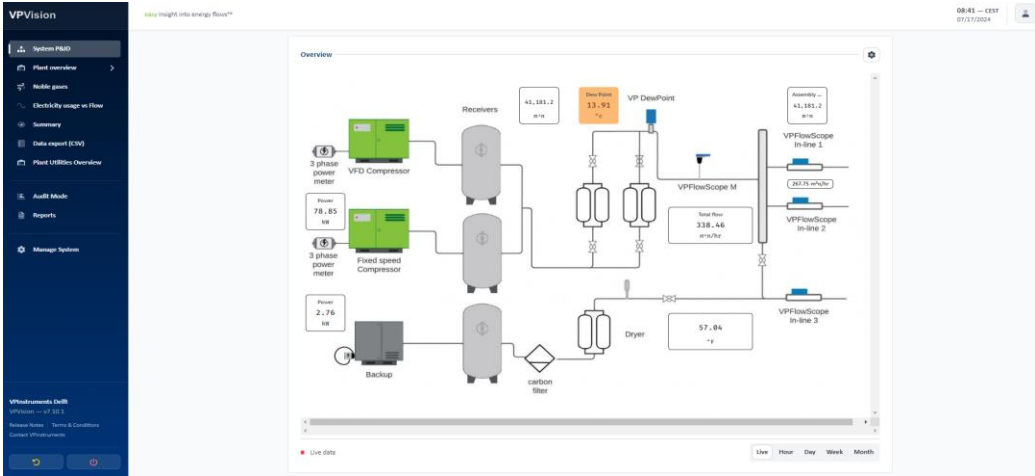
Network configuration

Network interface	Edit	Mode	IP address	Netmask	Gateway	Status
ethLAN1		static		0.0.0.0		Connected
ethLAN2		static		0.0.0.0		Connected
ethLAN3		static		0.0.0.0		Disconnected
ethLAN4		static		0.0.0.0		Disconnected

Back

Refresh

VPVision 7.10



Devices

Active Devices

24 / 25 total

Active Channels

39 / 200 available

Modbus RTU

3 Devices

Title	Modbus Address	Connection	Port	Type	Enabled
Assembly Line 2	9	COM	4	VPIFlowScope	Active
Serica - RS485 display	6	COM	4	Serica	Disabled
VPIFlowScope M	10	COM	4	VPIFlowScope M	Active

Modbus RTU over TCP

2 Devices

Title	Modbus Address	IP Address	Port	Type	Enabled
3phase power meter(main)	1	10.0.0.5	4660	3 Phase Power Meter	Active
Assembly line 1	9	10.0.0.3	26	VPIFlowScope	Active

Modbus TCP

1 Device

Title	IP Address	Port	Type	Enabled
Mona	10.0.0.2	502	Mouse analog inputs	Active

Virtual

13 Devices

Title	Type	Enabled
Air Filter Differential Pressure	Virtual input	Active

With the SQL Connection you can create read-only users to access the recorded data on your system.

Please note, that by adding a SQL user, the database will be accessible from external connectors. Make sure your VIPision system is properly configured in your network.

SQL Users

Add User

ip-admin

More

Connecting & Usage

Example query

Data Retention

Enable Data Retention

This enables the removal of recorded data based on the retention period.

Retention Period

12 months

Recording Period

July 2 02:00, 2023+August 1 01:59, 2024 — CEST

Cancel

Save

Data Removal

Data removal can be used when your system starts filling up or if you want to remove all recorded data without removing your system configuration.

Make sure you have created a backup of your data before using the data removal.
All recorded data will be removed, this can not be undone.

Remove Data

Interface	Mode	IPv4 address	IPv4 gateway	Connected	
 ens32 00:90:08:39:7E:7C	Static	192.168.1.253/24	—		
 ens33 — Locked 00:90:08:39:7E:7D	Static	10.0.0.1/24	10.0.0.254		
 ens34 00:90:08:3B:11:9E	—	—	—		
 ens35 00:90:08:3B:11:9F	—	—	—		

Add Page

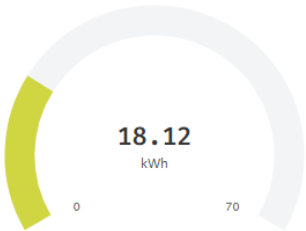
Search				
TITLE	ENABLED	SHOW IN MENU	REPORTABLE	CREATED AT
 System P&ID	Active			2021-03-11 14:06
 Plant overview	Active			2021-05-07 09:19
 Compressed air	Active			2021-02-25 09:59
 Dew Point	Active			2021-02-25 15:38
 Electricity usage	Active			2021-04-07 15:07
 Gas usage	Active			2021-03-19 09:34
 Noble gases	Active			2022-10-20 08:47
 Electricity usage vs Flow	Active			2023-05-12 12:34
 Summary	Active			2023-07-11 12:48



Total Electricity Consumption
KPI · 2023-09-20 15:09:05

Update Widget

Preview



Aug 14, 00:00 — 11:20

Last Hour Today



Alarms history
Alarm · 2021-03-19 10:45:06

Update Widget

Preview



Dewpoint alarm
High

Started: Aug 1, 2024 — 11:50
Ended: **Currently Active**



Dewpoint alarm
High

Started: Jul 17, 2024 — 14:11
Ended: Jul 17, 2024 — 14:12



Dewpoint alarm
High

Started: Jul 16, 2024 — 14:42
Ended: Jul 16, 2024 — 14:43



Dewpoint alarm
High

Started: Jul 16, 2024 — 11:47
Ended: Jul 16, 2024 — 14:15



Dewpoint alarm
High

Started: Jul 5, 2024 — 09:14
Ended: Jul 5, 2024 — 09:16



Pressure alarm
Low

Started: Apr 22, 2024 — 10:31
Ended: **Currently Active**



Showing 6 of 222 events, 2 active events

Clear Ended Events

Show All Events

<

Device Details

Update Device



VPFlowScope M
Nov 16, 2022 — 09:09



Enable Data Recording
Once enabled VPVision will start recording data for this device.

DAQ Insights

Pressure	bar	Totalizer	m³	Flow	m³/hr	Temperature	°C
4	0.02	15,115.96		334.06	24.28		
4							
4							

Live data

Live Hour Day Week Month

Serial Connection

Port RS232/RS485 — 4

Baud Rate 38400

Parity None

Stop Bits 1

Modbus Details

Protocol Modbus RTU

Address 10

Configured Channels

Add Channel

Channels represent the data being recorded and can be individually included in the data recording for the device.

Devices require at least one active channel before data recording can be enabled.

Name	Register	Function Code	Unit	Enabled
Flow	108	3 - Holding Regi...	Flow — m³/hr	
Pressure	154	3 - Holding Regi...	Pressure — bar	
Temperature	204	3 - Holding Regi...	Temperature — °C	
Totalizer	250	3 - Holding Regi...	Totalizer — m³	

Preview



Assembly Line 2 [Totalizer]
VPFlowScope M [Totalizer]

< Jul 14 - 11:20 — Aug 14 - 11:20 >

Live Hour Day Week Month



Report

Delft — February 18 00:00, 2024 ↻ February 18 23:59, 2024 — CET

Summary widget

	Min	Max	Average	Unit
Assembly line 1 [Flow]	68.99	68.99	68.99	m³n/hr
VPFlowScope M 9 [Flow]	460.03	461.97	460.79	m³n/hr
Assembly line 1 [Totalizer]	450,703.45	452,357.77	451,530.62	m³n
VPFlowScope M 9 [Totalizer]	94,137.92	105,130.05	99,633.11	m³n

Consumption widget

	Current Period	m³n/hr	Previous Period	m³n/hr	Delta	m³n/hr
Assembly line 1 [Flow]	68.99		68.99		0.00 %	0.00
VPFlowScope M 9 [Flow]	460.79		460.44		0.07 %	0.34

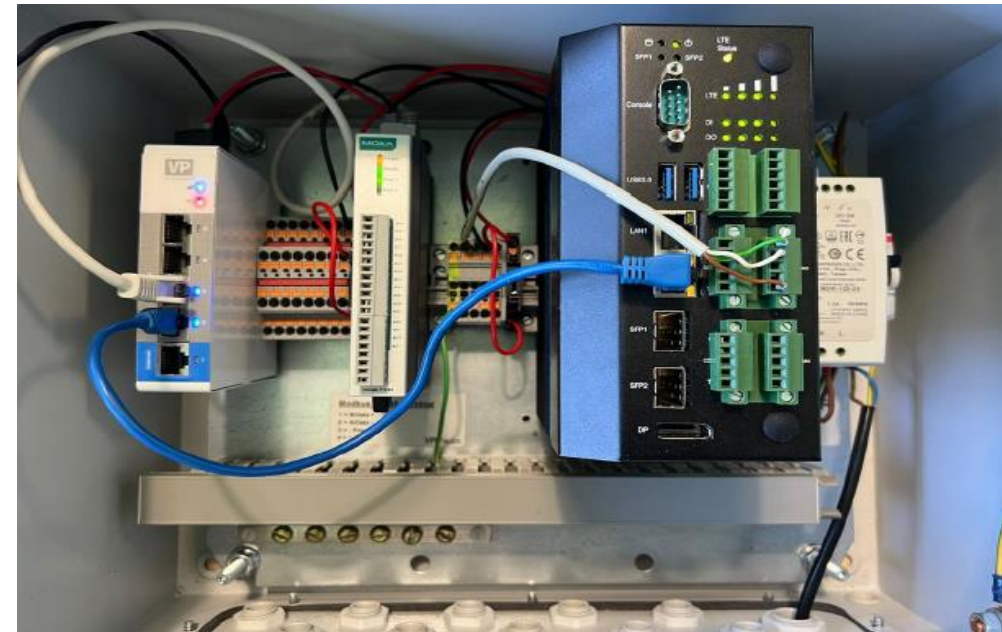
Energy Summary widget

Compressor Summary widget

Total Energy Consumption	2,576.46	Standby	0.00 kWh	0.00 Hours	0.00 %	€0.00
Total Costs	€438	Unloaded	0.00 kWh	0.00 Hours	0.00 %	€0.00
Total Usage	12,443.84	Loaded	0.00 kWh	0.00 Hours	0.00 %	€0.00
Cost / m³n	€0	Total Consumption	2,580.45 kWh			€438.68
Specific Power	12.42 kW/m³n	Total Starts				0
		Load/Unload Cycles				0

Updates and improvements

- New Computer
- Latest Stable Debian OS distribution and updated packages
- Enhanced responsiveness through software optimizations and hardware upgrades
- New dashboard interface
- Indicators for CPU temperature, CPU Load, RAM Utilization
- New reports based on pages
- New widgets
- Optimized CSV export functionality
- Audit mode
- Improved network configuration
- Upgraded data storage capabilities
- Reboot and shutdown options
- Resolved previous time-related issues
- No more Data acquisition issues
- Factory reset option
- P&ID with colors
- Accurate data averaging
- Support for various SI measurands and units





THANK YOU!

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