



New Features in ibaCMC v3.5.0

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1 Important Notes

1.1 Prerequisites for the update

To upgrade to ibaCMC v3.5.0, the following prerequisites must be met:

- The current installed version is ibaCMC **v3.4.2** or higher
- The migration process from ibaCMC v1 to v3 must be completed.
 - No remaining “not migrated” plants are in the system
 - All logs are migrated
 - All images from v1 are migrated to v3 (this step can be skipped if no images are available)



Note

Please note that updating to ibaCMC v3.5.0 is only possible if *all* plants have already been migrated to ibaCMC v3.x. If any plant is still managed by ibaCMC v1.8x version, the installer will prevent the update by giving an error message before starting with the installation process.

1.2 Breaking changes and post update to dos

1.2.1 Asset Report must be updated

Because of some database changes the report must be updated to work properly with ibaCMC v3.5.0

The instructions can be found in the documentation under *“Appendix / Setting up reports in ibaCMC / Carry out configurations in the web portal / Update a report”*

1.2.2 SQL Database changes

Database views:

Please consider that the “Instandhaltungsvview” and the “Anlagenbaumentrendview” were dropped and are no longer available.

Instead of the “Instandhaltungsvview” the “MonitorTrendView” can be used to get similar information.

The “Anlagenbaumentrendview” was renamed from German to English to “PlantTreeView” and contains additional information now.

For more detailed information please contact the iba support.

1.2.3 Data import process was changed

To improve the reliability of data handling in larger systems, the data import process has been restructured. The new process operates as follows:

ibaCMU-S devices:

- The device task is triggered by the task scheduler based on the interval settings in the CMU configuration
- XML and DAT files are downloaded from the devices via FTP Client
- The files are stored in a temporary folder , configured under *System settings > General*, within a subfolder named **CMU-{ID}**

IbaDAQ/ibaM-DAQ devices:

After a successful measurement:

- Trend data is sent to ibaCMC in JSON format via MQTT.
- DAT files are uploaded to ibaCMC via HTTP.
- Both DAT and JSON trend files are stored in the system's temporary folder under the corresponding **CMU-{ID}** subfolder.
- The device task is triggered by the task scheduler according to the CMU configuration and processes the data received via MQTT and HTTP.

Unified processing for all devices

After file transfer:

- Files are processed sequentially and moved to the **archive** folder of the plant assigned to the device.
 - If an error occurs during import, the file is moved to the plant's **error folder**.

During XML/KPI import:

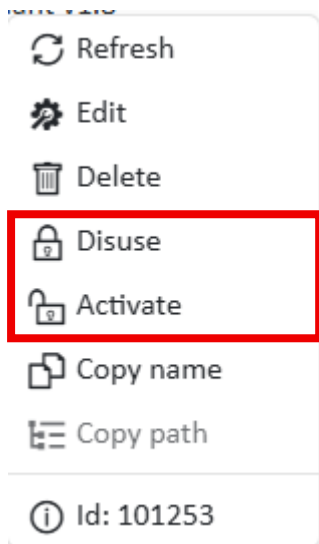
- Trend data is written to the database
- New data is evaluated, and trend status is updated if defined thresholds are exceeded.
- Notification emails are sent if there is a change in trend status (based on the user settings)

1.2.4 Dropped ibaCMC V1 parallel operation support



With ibaCMC v3.5.0 the parallel operation mode with ibaCMC v1 is no longer supported.

Below you will find the major changes related to this change:

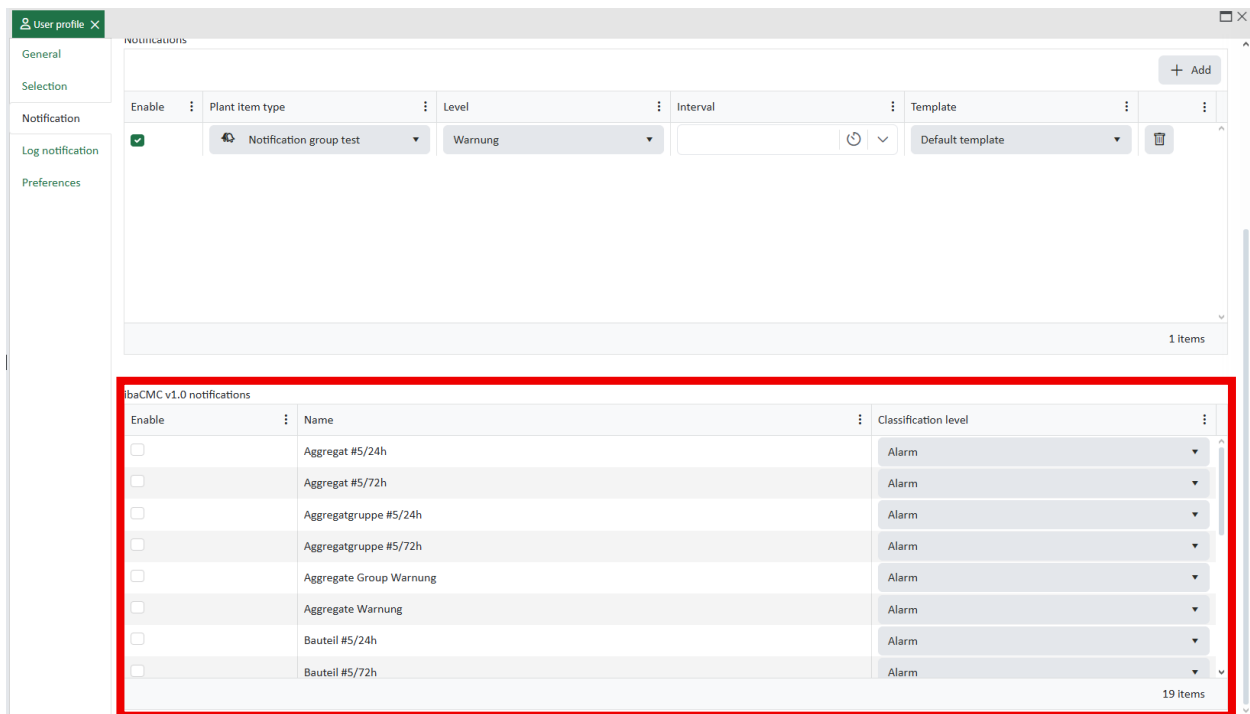
- The **Disused/Activate** action was **removed** from the plant tree context menu. This feature is no longer available. To disable trend status calculation the bell can be deactivated in the threshold configuration.



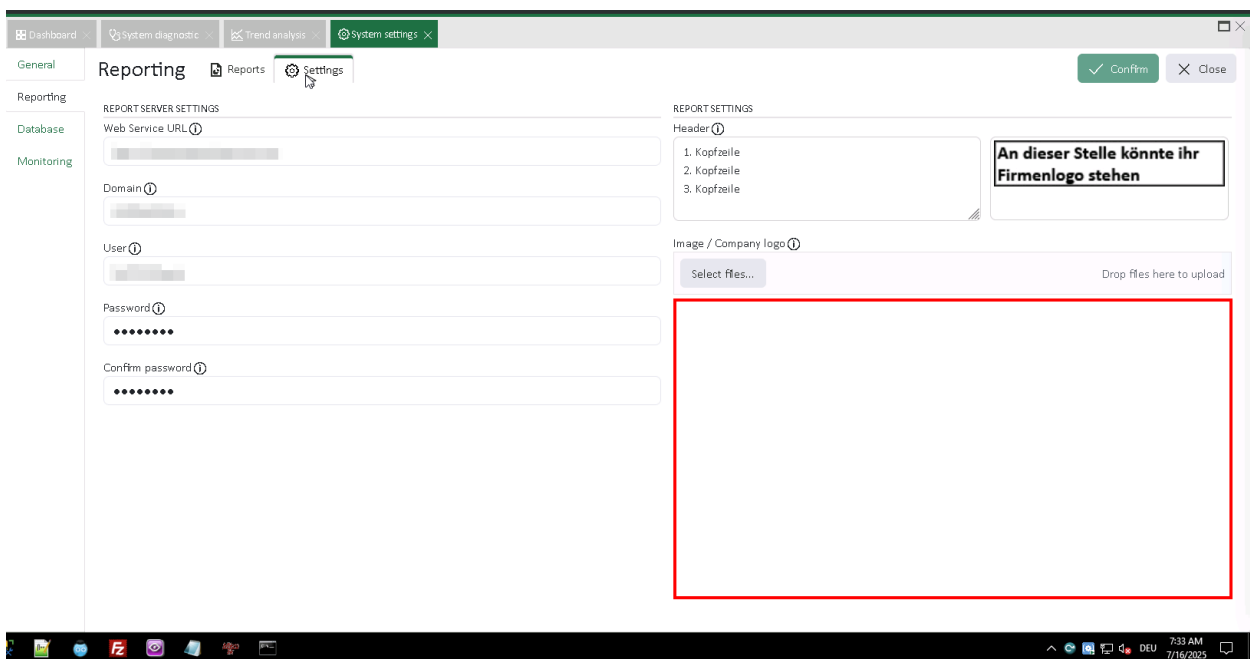
Limits: +↔

Warning	Alarm	Critical	Hysteresis	
↑ 0.014	0.02	0.05	3	 

- ibaCMC V1 notification configuration was **removed** from the user profile. ibaCMC v3.x notification system can be used instead.



- Removed not used report settings



- Several database tables have been removed.
- The local bridge component has been deprecated and removed.
- MQTT client settings have been removed from appsettings.json.

1.2.5 Uninstall ibaCMC v1.8.x

To clean up the system ibaCMC v1 should be uninstalled if it is not used anymore.

For more information request the uninstall guide from the iba support.

2 New Features

2.1 Add support for ibaM-DAQ and ibaM-4AI-IEPE modules

Now also ibaM-DAQ and ibaM-4AI-IEPE modules can be configured from ibaCMC and used as Condition Monitoring devices.

Key features of the new module:

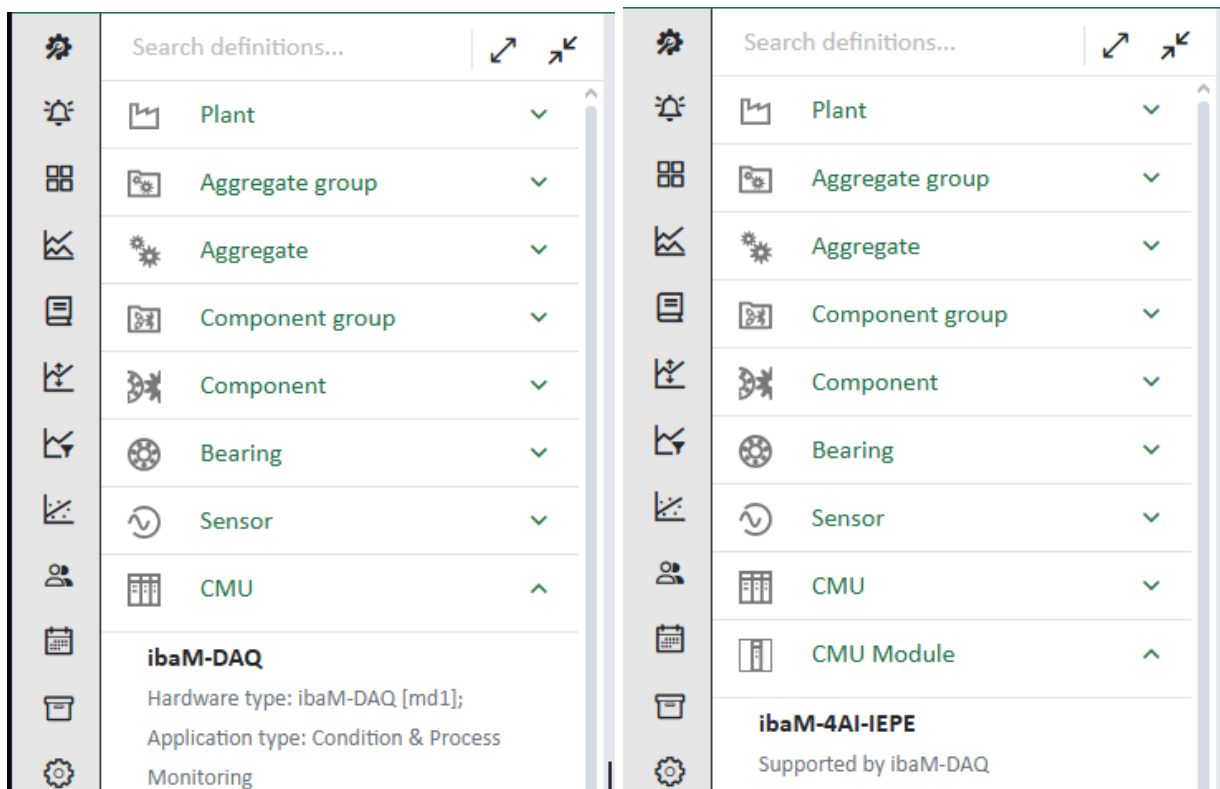
- Sample rates up to 100 kHz possible
- Maximum 15 ibaM-4AI-IEPE or 60 sensors can be connected to one ibaM-DAQ
- Inputs of ibaM-4AI-IEPE module can be also used as speed signal input with an approximation sensor
- Different Input modes are possible (IEPE 0,1 Hz, IEPE 1 Hz, 24V AC, 24V DC)
- Debounce time can be set for digital input (default 5000 us)
- Antialiasing filter type can be configured per module (default Butterworth 2nd order)



Note

Using sample rates of **100 kHz** with **32** or more IEPE sensors may cause performance issues on the ibaM-DAQ side in ibaPDA. **This configuration is not recommended!**

For standard Condition Monitoring applications, sample rates of 20 kHz—up to a maximum of 50 kHz—are typically sufficient.

Asset library:CMU configuration:

Asset configuration X

ibaCMC Test plant > ibaM-DAQ X

Delete Confirm

General

Active ☒

Sample rate

Snapshots

CM-Device GUID ⓘ
ab2e5a9f-0c4e-4567-9968-928b8620bd8d ⓘ

Network

Location

ID ⓘ 406 Order 4

Configuration

Info

Name
ibaM-DAQ

Logs

Clean up

Application type ⓘ Condition & Process Monitoring Hardware type ibaM-DAQ [md1] - (ibaM-DAQ with ibaCMS snapshot module) ▼

Serial number 000305 Software version 8.11.0

Log level
Info ▼

Interval
Every 1m ▼

Preview: * * * * *

Comment

Type: CMU
Connection status: [Connected]
Configuration status: [Pending]

Snapshots: Interval: 70 min
Time signal: fs: 20,000 Hz, T: 13.107 s
aFFT/vFFT: fmax: 7,813 Hz, df: 0.076 Hz

Image Traces

Image

ibaM-DAQ module configuration:

←

→

ibaCMC Test plant > ibaM-DAQ > ibaM-DAQ ✕

General	N	Acti...	Sensor / Trend	Signal type	Debounce time	
Channels	0	<input checked="" type="checkbox"/>	<div>Digital RPS Sensor</div>	Digital 0-24V	3000 mys	^

ibaM-4AI-IEPE module configuration:

←

→

ibaCMC Test plant > ibaM-DAQ > ibaM-4AI-IEPE ✕

Del

General

Channels

Active

☒

Antialiasing filter type

Elliptic/Cauer

Buffer type

High-Speed Buffer

ID

4122

Slot index

1

Name

ibaM-4AI-IEPE

←

→

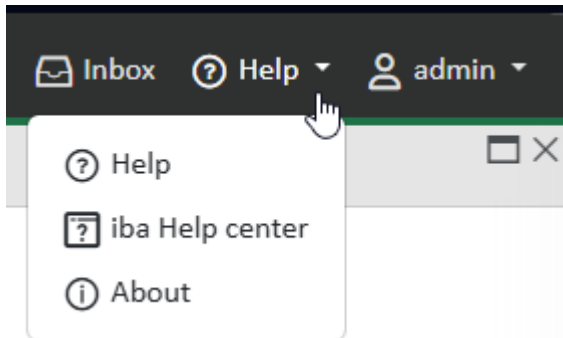
ibaCMC Test plant > ibaM-DAQ > ibaM-4AI-IEPE ✕

General	N..	Active	Sensor / Trend	Signal type	
Channels	0	<input checked="" type="checkbox"/>	<div>#1VIB_Motor1_DE</div>	Analog IEPE >1Hz	^
	1	<input checked="" type="checkbox"/>	<div>Digital RPS Motor speed 1</div>	Analog 24V DC	^
	2	<input checked="" type="checkbox"/>	<div>#3VIB_Motor2_DE</div>	Analog IEPE >1Hz	^
	3	<input checked="" type="checkbox"/>	<div>#4VIB_Motor2_NDE</div>	Analog IEPE >0.1Hz	^

2.2 Link to iba Help Center available in help menu

A link to the **iba Help Center** (<https://docs.iba-aq.com>) is now available via the **Help** menu in the header. This link opens the Help Center, where documentation for all iba products is accessible.

If there is no internet connection, a dialog with a QR code will be displayed. The QR code can be scanned using a smartphone with internet access to access the Help Center.



2.3 Debounce time configuration for digital inputs

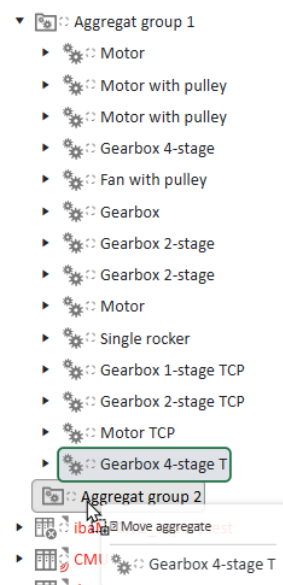
Debounce time for digital input channels on **ibaDAQ** and **ibaM-DAQ** devices can now be configured directly via **ibaCMC**.

By default, the debounce time is set to **5000 µs** per digital input channel.

ibaCMC Test plant > ibaDAQ Office Linz > ibaDAQ X							
General	No.	Active	Sensor / Trend	Signal type	Debounce time		
Channels	0	<input checked="" type="checkbox"/>	Speed signal Office ventilator	Digital 0-24V	5000 mys		
	1	<input type="checkbox"/>	Drop any of following items here: Sensor	Digital 0-24V	5000 mys		

2.4 Move aggregates between aggregates groups

Now it is possible to move aggregates between aggregate groups within the same plant.



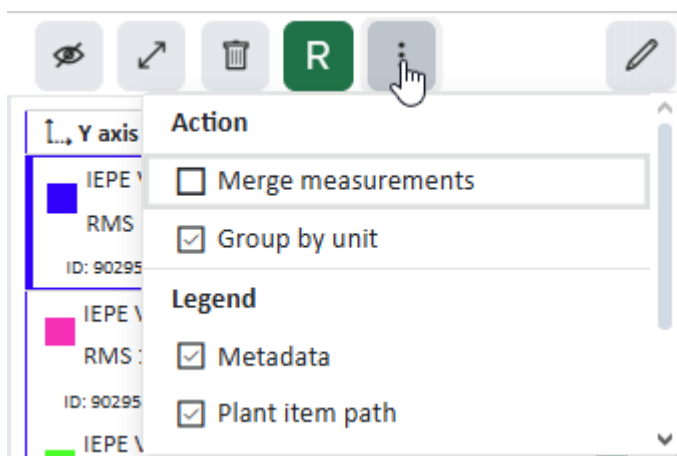
2.5 Group trends by unit in the trend analysis

In trend analysis, it is now possible to enable the **Group by Unit** feature, which groups all trends with the same unit onto a shared Y-axis.

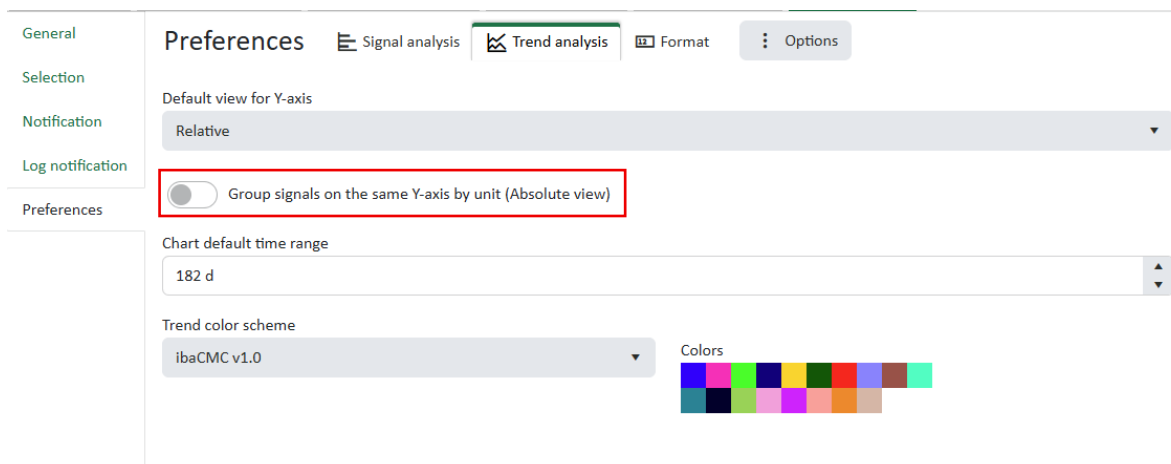
This option can be activated by selecting the corresponding checkbox in the legend—**only available in Absolute (Abs) mode**.

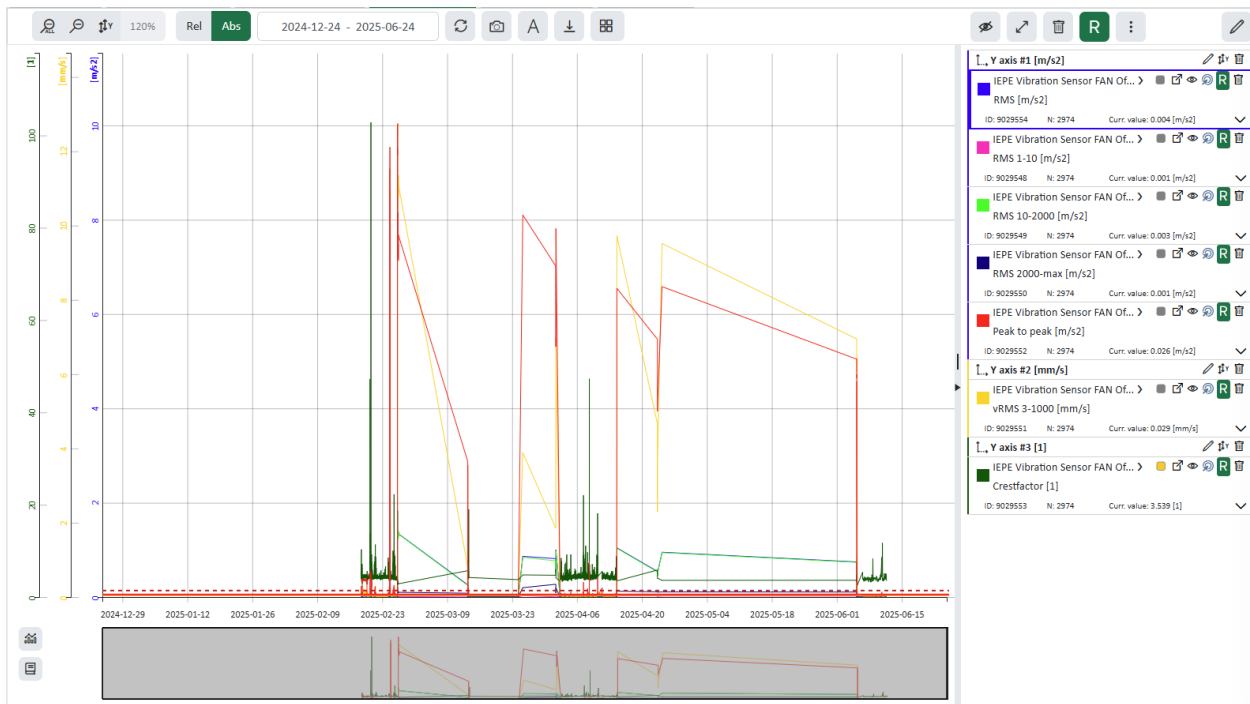
When enabled:

- Separate Y-axes are automatically created for each unique unit.
- Newly added trends are placed on an existing axis if the unit already exists; otherwise, a new axis is created.
- Manual movement of trends between axes is disabled while **Group by Unit** is active.



There is also a user setting to enable the group by unit flag per default when opening the trend analysis.



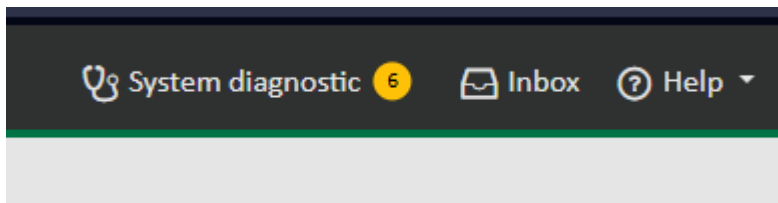
Example:

3 Improvements

3.1 Redesigned and reorganized system diagnostics overview

To provide a clearer overview of system status and all connected devices, the **System Diagnostics** section has been completely redesigned and reorganized.

There is now a single unified entry point where all system diagnostics information is displayed in a centralized view.



Changes:

The former **Syslog** menu has been renamed to **System Diagnostics**.

As part of this update, the **CM device list** and other **diagnostic** menu items from the sidebar have been consolidated into the new System Diagnostics section.

The **Syslog** and **Trace** views remain available within this centralized diagnostics interface.

Overview:

The overview shows a complete overview of the status of the whole system. It shows the device status, system status, and data acquisition status.

When clicking on one of the tiles the corresponding tab will be opened.



Note

Each user only sees diagnostics for active devices, sensors, and snapshots that belong to the plants selected in their user profile.

CM-Devices:

Clicking on the **Device Status** tile will open the **CM Devices** tab. Alternatively, you can access this tab directly via the **CM Devices** entry in the sidebar.

This view provides a more detailed overview of the status of each device.

The screenshot shows the 'System diagnostic' window with the 'CM-Devices' tab selected. The table displays the following data:

St...	Device	Serial number	IP address	Software versi...	Last calculation	Device s...	Configuration ...
Online	ibaCMC Test plant > ibaCMU-S Test Fue	000019	192.168.17.132	3.0.5	2025-06-25 17:26:11	Ok	Pending
Online	ibaCMC Test plant > ibaDAQ Office Linz	000130	10.40.55.130	8.11.0	2025-06-25 16:53:42	Ok	Pending
Undefined	ibaCMU-S ICP 1x (migration test)	000000	127.0.0.1	3.0.0.0		Undefined	Undefined
Undefined	Plant v1.8 > ibaDAQ	000000	127.0.0.1	0.0.0.0		Undefined	Undefined
Undefined	ibaM-DAQ_export test	000000	127.0.0.1	0.0.0.0		Undefined	Undefined

Clicking on a row in the **CM Devices** tab opens a detailed page for the selected device. This page provides more detailed information about the device status and displays the device logs.

In the **Info** tab, you will find device status information that is cyclically updated by the device. Rows highlighted in **red** indicate device errors that require attention.

Examples of critical device errors that result in a device status error in the overview include:

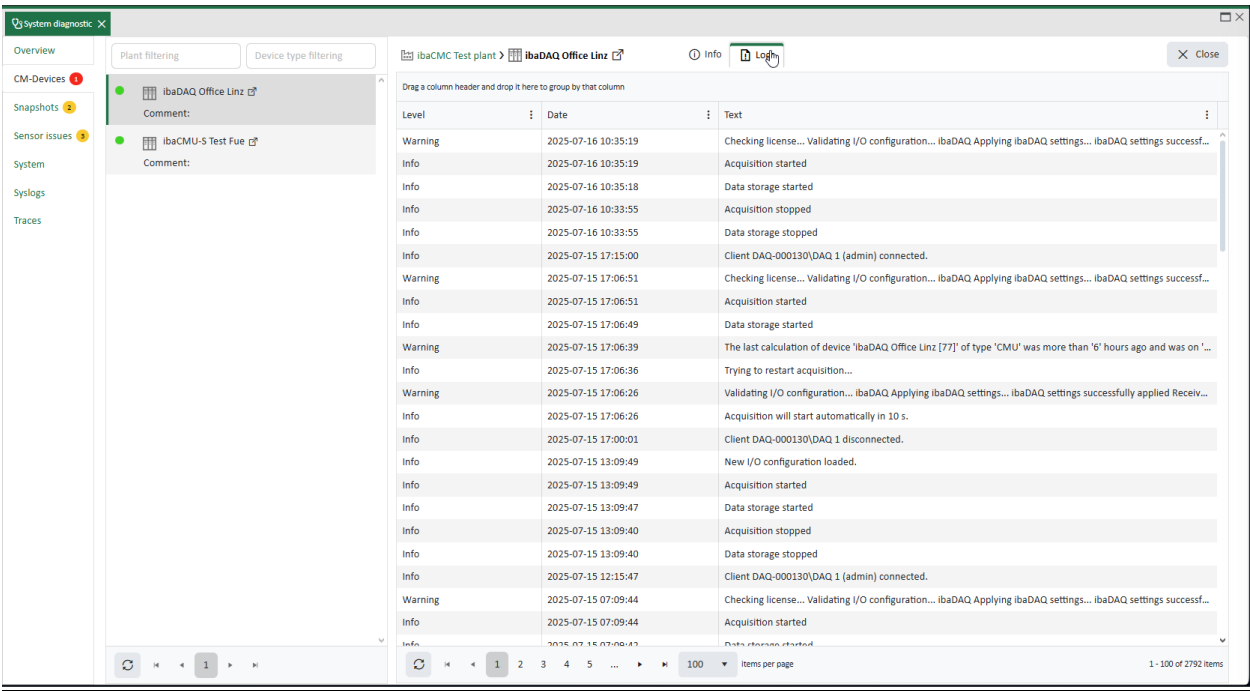
- TCP telegram not connected
- Data acquisition stopped
- License invalid

The screenshot shows the 'System diagnostic' window with the 'CM-Devices' tab selected. The 'Info' tab is active for the device 'ibaDAQ Office Linz'. The table displays the following data:

Key	Value
Full version	8.11.2-beta.2025-07-15.4267
Version	8.11.2
Device name	DAQ-000130
CMUId	77
Hardwaretype	id2
Sampling rate	20000
Interrupt buffer size	30 MB
Serialnumber	000130
Last configuration update	2025-07-15T13:09:35 +02:00
Module 0	ibaDAQ
Module 1	ibaMS8xIEPE
Configuration status	valid
Data acquisition status	stopped
License status	valid
License container number	3-6913683 (DAQ-000130)
EUP date	2026-04-14
Total CM-Sensor licenses	64
Used CM-Sensor licenses	2
Total ibaPDA channel licenses	-1
Used ibaPDA channel licenses	14
Receive telegram 2	not connected
Sensor check status	0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
Sensor defects	
Last calculation	2025-07-16T10:07:16 +02:00

In the log tab you see the recent logs sent by the device.

These logs can be filtered by level, date and text.

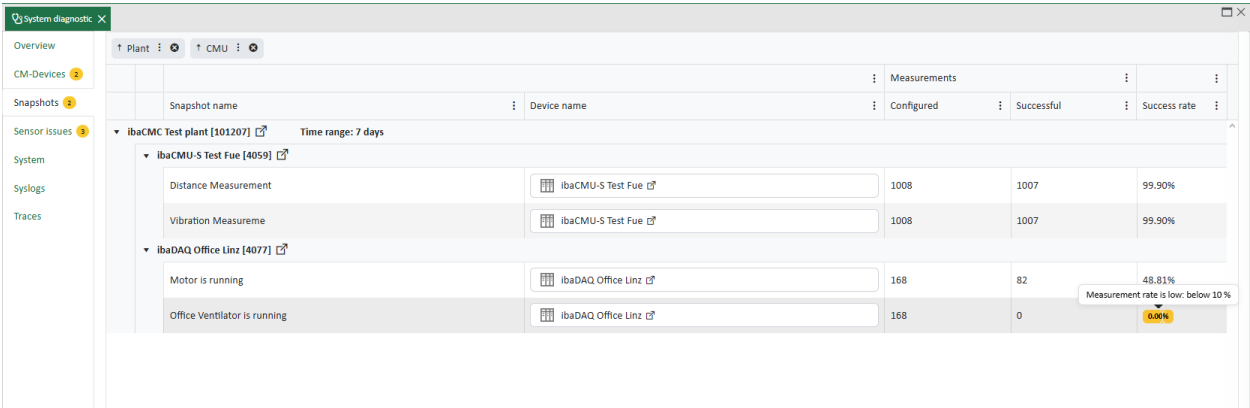


Snapshots:

The **Snapshot** tab provides an overview of snapshot statistics. If the **success rate** for a plant falls below the configured warning threshold, a **yellow badge** is displayed next to the affected success rates.

The success rate is calculated as:
(Number of successful measurements) / (Total possible measurements)

The time range used for this calculation can be configured individually for each plant.



Asset configuration

ibaCMC Test plant

General

Log

Settings

PATHS

Archive folder

D:\CMC-Dat\Archiv

Error folder

D:\CMC-Dat\Error

No. of files in error folder: 1

CMU DEVICE STATUS CHECK

Warning from

3 h

Error from

24 h

MEASUREMENT RATE FOR SNAPSHOTS

Warning at

10 %

Time range

7 days

DEADMAN STATUS

Sensordefects:

Shows a list of all sensors marked as data not valid by the IEPE module or the CM-device. Here just sensors from active devices are considered.

System diagnostic

Overview

CM-Devices

Snapshots

Sensor issues

System

Syslogs

Traces

Drag a column header and drop it here to group by that column

Sensor	Type	Serial No.	CMU
#2_VIB_Fem	Analog IEPE		ibaCMC v3.5.0 Test File
#2_VIB_Motor_NDE	Analog IEPE		ibaCMC v3.5.0 Test File
IEPE Motor DE (resample)	Analog IEPE		ibaCMC v3.5.0 Test File

System:

System shows an overview of all system related services, path access or disk space.

System diagnostic

Overview

CM-Devices

Snapshots

Sensor issues

System

Syslogs

Traces

Drag a column header and drop it here to group by that column

	Source	Title	Description	Status updated
✓	System	Base URL settings	Base URL in appsettings.json is matching current browser url Host: cmctest.iba-ag.com	2025-07-16 10:48:00
📶	ibaCMC Server	MQTT Client	Connected Host: 127.0.0.1 Port: 8884	2025-07-15 17:54:02
📶	ibaCMC Server	MQTT Broker	MqttConnectionService: MQTT Broker went online. Host: 127.0.0.1 Port: 1884, 8884	2025-07-15 17:53:57
📁	AppPath	C:\Program Files\iba\ibaCMC\Server\	Files inside directory can be created and read!	2025-07-16 10:48:00
📁	ProgramDataPath	C:\ProgramData\iba\ibaCMC\Server	Files inside directory can be created and read!	2025-07-16 10:48:00
📁	TempFolderPath	C:\ProgramData\iba\ibaCMC\Server\temp	Files inside directory can be created and read!	2025-07-16 10:48:00
📁	UploadFolderPath	C:\ProgramData\iba\ibaCMC\Server\uploads	Files inside directory can be created and read!	2025-07-16 10:48:00
📁	AudioFolderPath	C:\ProgramData\iba\ibaCMC\Server\temp\audio	Files inside directory can be created and read!	2025-07-16 10:48:00
📁	WebRootPath	C:\Program Files\iba\ibaCMC\Server\wwwroot	Files inside directory can be created and read!	2025-07-16 10:48:00
📁	ExecutingAppPath	C:\Program Files\iba\ibaCMC\Server	Files inside directory can be created and read!	2025-07-16 10:48:00
📁	Plant-1207-1235-1236-...	D:\CMC-Dat\Archiv	Files inside directory can be created and read!	2025-07-16 10:48:00
📁	Plant-1207-1235-1236-...	D:\CMC-Dat\Error	Files inside directory can be created and read! Number of files in the folder: 2	2025-07-16 10:48:00
📁	Plant-1251-1254-...	C:\CMC-Dat\Archiv	Files inside directory can be created and read!	2025-07-16 10:48:00
📁	Plant-1251-1254-...	C:\CMC-Dat\Error	Files inside directory can be created and read!	2025-07-16 10:48:00
📁	cfg_Temp	C:\CMC-Dat\Temp	Files inside directory can be created and read!	2025-07-16 10:48:00
💾	System	Disk space (C:\):	68,9 GB/204 GB (free: 135 GB)	2025-07-16 10:34:32
💾	System	Disk space (D:\):	131 GB/195 GB (free: 64,0 GB)	2025-07-16 10:34:32

Syslog (For admins)

The syslog shows a list of all system related logs (except device logs and logbook entries) in one filterable list.

These logs are stored persistent in the database and will be deleted if older than 12 months by the cleanup task.

Systemdiagnose

Übersicht

CM-Geräte

Snapshot

Sensorfehler

System

Syslogs

Traces

Drag a column header and drop it here to group by that column

Level	Datum	Text
Info	2025-06-25 16:57:12	ibaCMC Server v3.5.0-28ddcf17 25.06.2025 14:38:15 started up ...
Info	2025-06-25 16:57:12	Update system info 'LastStartupDateTime' from '2025-06-25 12:43:11' to 2025-06-25 16:57:12'
Info	2025-06-25 16:57:12	Update system info 'ibaCMCServerVersion' from 'v3.5.0-554dcb44 25.06.2025 10:18:21' to v3.5.0-28ddcf17 25.06.2025...
Info	2025-06-25 16:56:32	Update system info 'DatabaseMigrationId' from '20250625000043_3.5.0-FixSensorCheckMinMax' to 20250625000043...
Warnung	2025-06-25 16:55:12	MqttConnectionService: MQTT Broker went offline!
Info	2025-06-25 12:43:11	ibaCMC Server v3.5.0-554dcb44 25.06.2025 10:18:21 started up ...
Info	2025-06-25 12:43:11	Update system info 'LastStartupDateTime' from '2025-06-25 11:12:33' to 2025-06-25 12:43:11'
Info	2025-06-25 12:43:11	Update system info 'ibaCMCServerVersion' from 'v3.5.0-24b29671 25.06.2025 08:53:54' to v3.5.0-554dcb44 25.06.202...
Info	2025-06-25 12:42:32	Update system info 'DatabaseMigrationId' from '20250625000043_3.5.0-FixSensorCheckMinMax' to 20250625000043...
Fehler	2025-06-25 12:41:20	SystemDiagnosticsWorker.DoWorkEveryHour: A task was canceled. SOURCE: System.Private.CoreLib STACKTRACE: at c...
Warnung	2025-06-25 12:41:20	MqttConnectionService: MQTT Broker went offline!
Info	2025-06-25 11:12:33	ibaCMC Server v3.5.0-24b29671 25.06.2025 08:53:54 started up ...
Info	2025-06-25 11:12:33	Update system info 'LastStartupDateTime' from '2025-06-24 16:15:05' to 2025-06-25 11:12:33'
Info	2025-06-25 11:12:33	Update system info 'ibaCMCServerVersion' from 'v3.5.0-ce94f176 24.06.2025 13:50:44' to v3.5.0-24b29671 25.06.2025...
Info	2025-06-25 11:11:53	Update system info 'DatabaseMigrationId' from '20250625000043_3.5.0-FixSensorCheckMinMax' to 20250625000043...
Fehler	2025-06-25 11:10:39	SystemDiagnosticsWorker.DoWorkEveryMinute: A task was canceled. SOURCE: System.Private.CoreLib STACKTRACE: at ...
Fehler	2025-06-25 11:10:39	SystemDiagnosticsWorker.DoWorkEveryHour: A task was canceled. SOURCE: System.Private.CoreLib STACKTRACE: at c...
Warnung	2025-06-25 11:10:39	MqttConnectionService: MQTT Broker went offline!
Info	2025-06-25 06:00:02	Update system info 'LastLogNotifyDateTime' from '2025-06-24 06:00:00' to 2025-06-25 06:00:00'
Fehler	2025-06-25 06:00:02	NotificationService Error [SendLogNotificationAsync]: Index (zero based) must be greater than or equal to zero and less...

Normal

1

2

3

4

5

...

100

Items per page

1 - 100 of 340024 items

Traces (For admins):

In the traces tab you see live messages from the system.

Date	Value
2025-06-25 18:13:00	① CMU 'ibaCMU-S Test Fue' could be pinged successfully.
2025-06-25 18:13:00	① CMU with guid '3454cff2-9538-433a-ab96-5b2172df1136' is online
2025-06-25 18:13:00	① Execute method 'StartAsync' from class 'ibaCMC.Server.Core.Services.CmuService' in '0,0125212s' with the following result: 'CMU 'ibaCMU-S ICP 1x (migr...
2025-06-25 18:13:00	① Execute method 'StartAsync' from class 'ibaCMC.Server.Core.Services.CmuService' in '0,0113146s' with the following result: 'CMU 'ibaDAQ' is disabled an...
2025-06-25 18:13:00	① Execute method 'StartAsync' from class 'ibaCMC.Server.Core.Services.CmuService' in '0,0108129s' with the following result: 'CMU 'ibaM-DAQ_export test'...
2025-06-25 18:13:00	① Execute method 'StartAsync' from class 'ibaCMC.Server.Core.Services.CmuService' in '0,0084584s' with the following result: 'CMU 'CMU' is disabled and w...
2025-06-25 18:13:00	① Execute method 'StartAsync' from class 'ibaCMC.Server.Core.Services.CmuService' in '0,0094049s' with the following result: 'CMU 'ibaDAQ-Dataimport-te...
2025-06-25 18:13:00	① Execute method 'StartAsync' from class 'ibaCMC.Server.Core.Services.CmuService' in '0,0086854s' with the following result: 'CMU 'ibaDAQ' is disabled an...
2025-06-25 18:13:00	① Execute method 'StartAsync' from class 'ibaCMC.Server.Core.Services.CmuService' in '0,0092849s' with the following result: 'CMU 'ibaCMU-S IEPE 1x' is di...
2025-06-25 18:13:00	① Execute method 'StartAsync' from class 'ibaCMC.Server.Core.Services.CmuService' in '0,0084977s' with the following result: 'CMU 'ibaDAQ' is disabled an...
2025-06-25 18:13:00	① Execute method 'StartAsync' from class 'ibaCMC.Server.Core.Services.CmuService' in '0,0124767s' with the following result: 'CMU 'ibaDAQ' is disabled an...
2025-06-25 18:13:00	① Execute method 'StartAsync' from class 'ibaCMC.Server.Core.Services.CmuService' in '0,0096465s' with the following result: 'CMU 'ibaDAQ' is disabled an...
2025-06-25 18:13:00	① Execute method 'StartAsync' from class 'ibaCMC.Server.Core.Services.CmuService' in '0,0086304s' with the following result: 'CMU 'ibaCMU-S Migrationste...
2025-06-25 18:13:00	① Execute method 'StartAsync' from class 'ibaCMC.Server.Core.Services.CmuService' in '0,0091797s' with the following result: 'CMU 'ibaCMU-S IEPE 1x' is di...
2025-06-25 18:13:00	① Execute method 'StartAsync' from class 'ibaCMC.Server.Core.Services.CmuService' in '0,00955s' with the following result: 'CMU 'ibaCMU-S IEPE 1x' is disa...
2025-06-25 18:13:00	① Execute method 'StartAsync' from class 'ibaCMC.Server.Core.Services.CmuService' in '0,0108054s' with the following result: 'CMU 'ibaDAQ' is disabled an...
2025-06-25 18:13:00	① Execute method 'StartAsync' from class 'ibaCMC.Server.Core.Services.CmuService' in '0,0089881s' with the following result: 'CMU 'ibaM-DAQ' is disabled ...
2025-06-25 18:13:01	① 0 Dat file(s) from CMU 'ibaCMU-S Test Fue' could be retrieved over FTP and processed successfully but the task was canceled by an exception! 0 XML file[...
2025-06-25 18:13:01	① CMU with guid '3454cff2-9538-433a-ab96-5b2172df1136' is online
2025-06-25 18:13:01	① Execute method 'StartAsync' from class 'ibaCMC.Server.Core.Services.CmuService' in '0,8436389s' with the following result: '0 Dat file(s) from CMU 'ibaC...

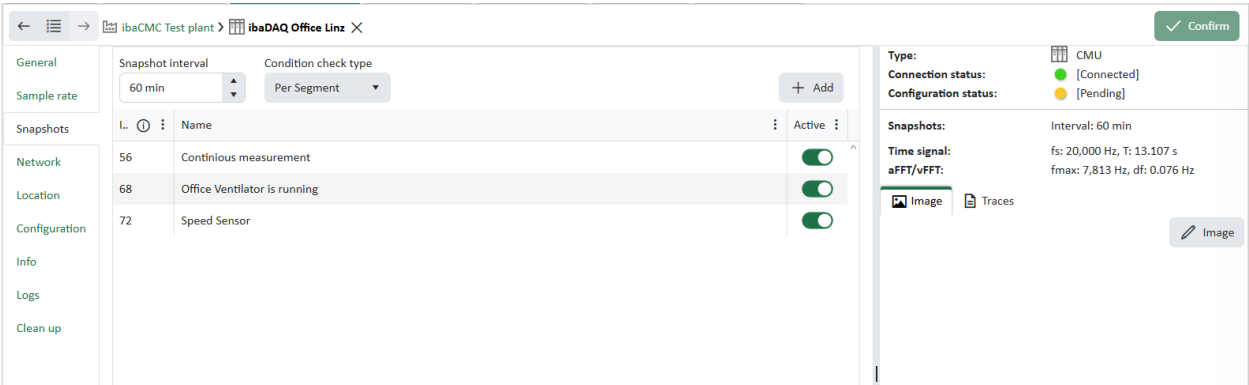
3.2 Redesigned CMU configuration tab

Due to usability reasons the CMU configuration tab was redesigned.

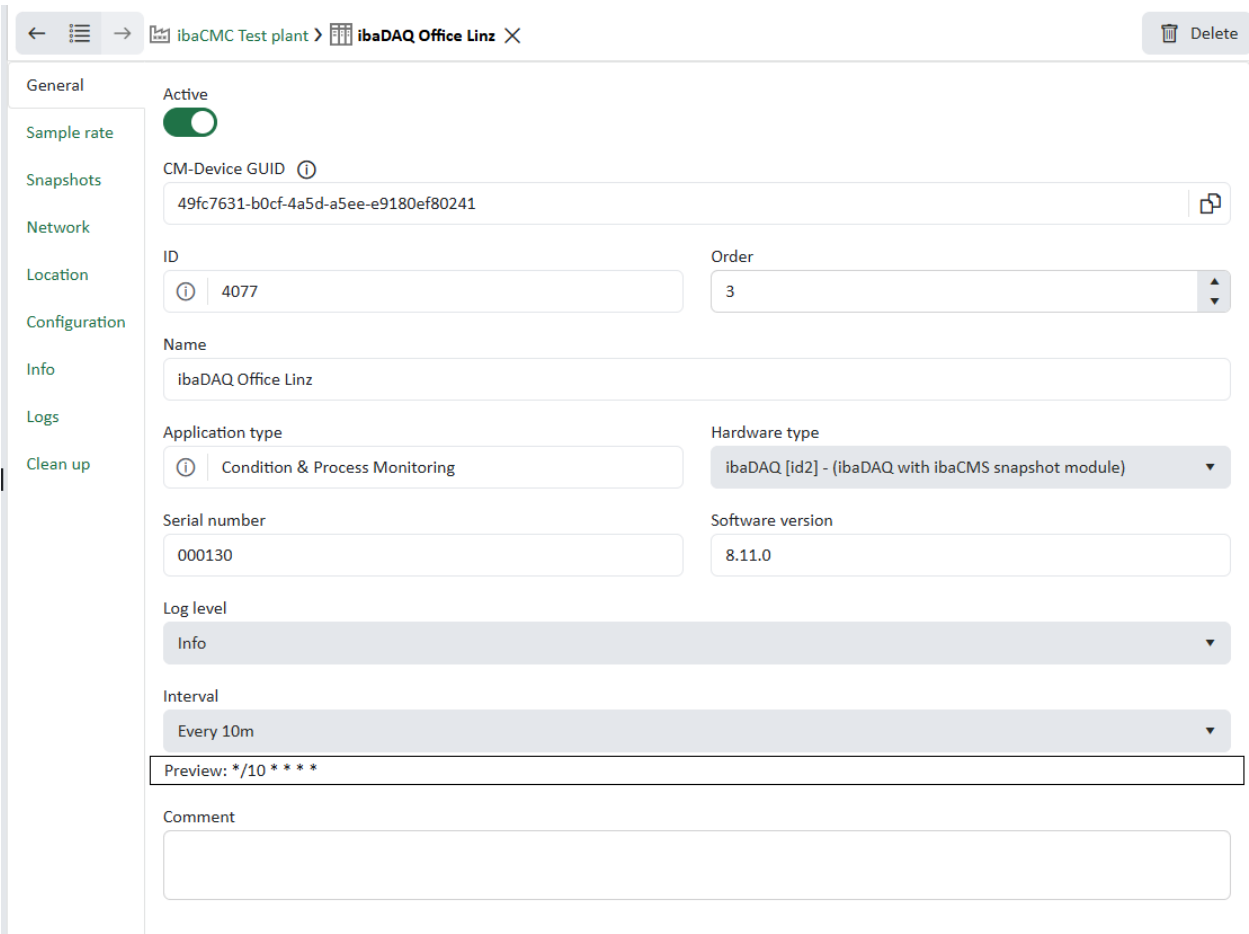
Now there is a separate Sample rate tab which two individual dropdowns for sample rate and Number of samples.

Below and on the right side all relevant information for the spectrum, time signal and snapshots are shown.

The general snapshot information was moved to the snapshot tab. The Interval is also shown permanently on the right side.



In the general tab the Import task interval can be configured now (was in the CM-devices list before).



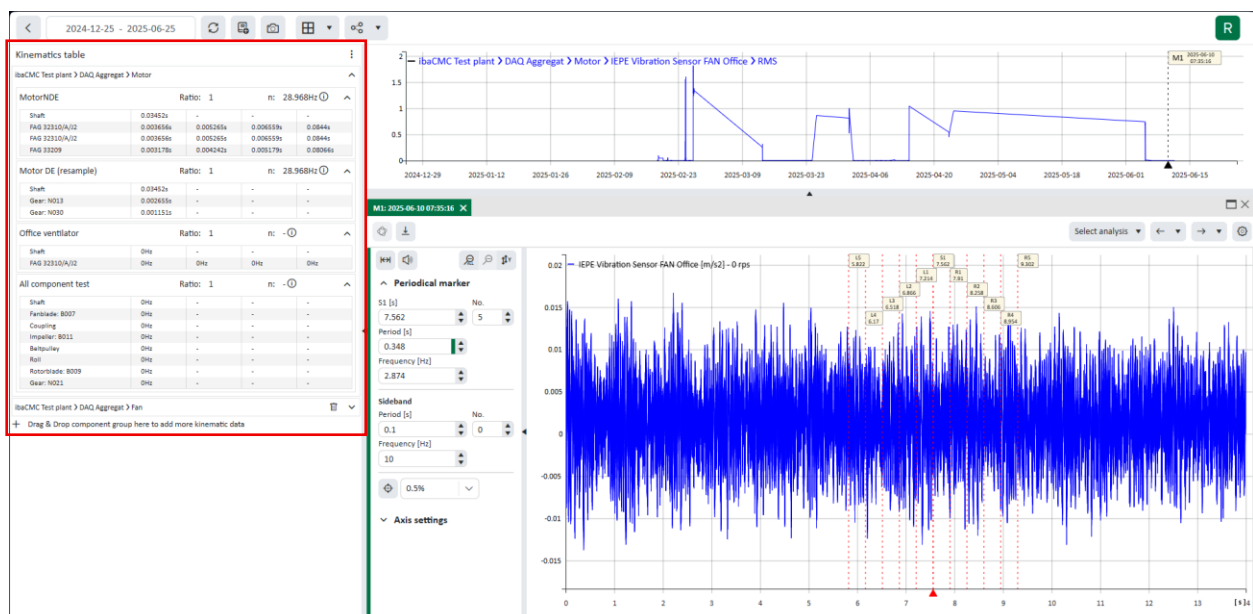
3.3 Load all aggregates of a aggregates group in the kinematic table

When you open a trend, all aggregates that belong to the corresponding aggregate group and meet the following conditions are loaded into the kinematics table.

- The **speed signal** of the component group is monitored by the **same Condition Monitoring (CM) device** as the one from which the trend was opened.

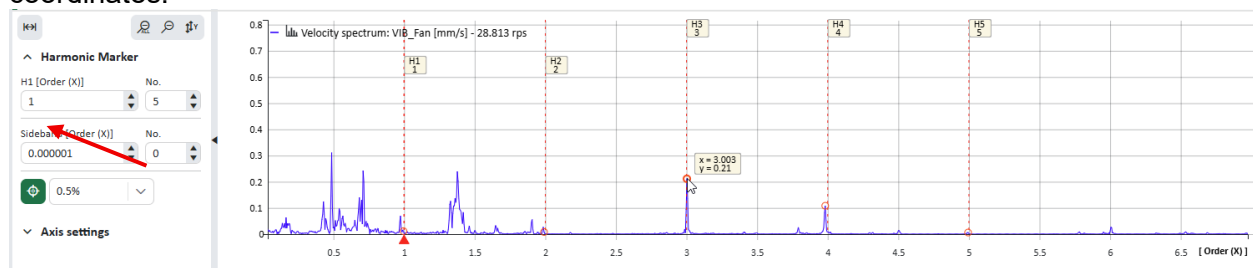
Within those aggregates:

- Only the **selected aggregate** (where the trend was opened) is automatically expanded.
- All **other loaded aggregates remain collapsed** by default. These can be also removed from the kinematic grid if needed.
- You can manually expand any of the collapsed aggregates as needed.



3.4 Show x and y coordinates in analysis chart tooltips











When cursor markers are active, hovering over a data point displays the corresponding X and Y coordinates.



4 Miscellaneous



4.1 Show icons for components and sensors in the component library

For better usability the icons which are used for the components in the plant tree are also used in the component library.

	Component	
	Belt pulley	
	Coupling	
	Fan blade	
	Gear	
	Impeller	
	Roll	
	Rotor blade	
	Shaft	

4.2 Show supported head stations for CMU-Modules

Now the supported head stations are shown in the library. Dragging a module on the wrong head station is not allowed.

 CMU Module 
ibaM-4AI-IEPE Supported by ibaM-DAQ
ibaMS16xAI-10V Supported by ibaCMU-S, ibaDAQ
ibaMS16xAI-20mA Supported by ibaCMU-S, ibaDAQ
ibaMS16xAI-24V Supported by ibaCMU-S, ibaDAQ
ibaMS16xDI-24V Supported by ibaDAQ
ibaMS32xDO-24V Supported by ibaCMU-S
ibaMS8xICP Supported by ibaCMU-S
ibaMS8xIEPE Supported by ibaCMU-S, ibaDAQ

4.3 Grouped tasks in tasks scheduler by type

Different task types are now separated into multiple tabs to provide a clearer overview of all system tasks.

Additionally, a new **Commands** button allows you to enable or disable all tasks with a single click.

CM-Devices

Reports

System

Drag a column header and drop it here to group by that column

Name	Last run time	Next run time	Duration	Schedule	Status	Command	Result	Exception
CMU-Task CMU [4088] @ 127.0.0.1	2025-06-24 17:57:00	2025-06-24 17:58:00	00:00:00.030	* / 1 * * * *	Stopped	▶ Start ▼	CMU 'CMU' is disa...	-
CMU-Task ibaCMU-S ICP 1x (migration test) [4078] @ 127.0.0.1	2025-06-24 17:57:00	2025-06-24 17:58:00	00:00:00.010	* / 1 * * * *	Stopped	▶ Start ▼	CMU 'ibaCMU-S IC...	-
CMU-Task ibaCMU-S IEPE 1x [40115] @ 0.0.0.0	2025-06-24 17:57:01	2025-06-24 17:58:00	00:00:00.025	* / 1 * * * *	Stopped	▶ Start ▼	CMU 'ibaCMU-S IE...	-
CMU-Task ibaCMU-S IEPE 1x [40116] @ 0.0.0.0	2025-06-24 17:57:01	2025-06-24 17:58:00	00:00:00.181	* / 1 * * * *	Stopped	▶ Start ▼	CMU 'ibaCMU-S IE...	-
CMU-Task ibaCMU-S IEPE 1x [4095] @ 127.0.0.1	2025-06-24 17:57:00	2025-06-24 17:58:00	00:00:00.025	* * * * *	Stopped	▶ Start ▼	CMU 'ibaCMU-S IE...	-
CMU-Task ibaCMU-S Migrationtest [40114] @ 127.0.0.1	2025-06-24 17:57:01	2025-06-24 17:58:00	00:00:00.059	* * * * *	Stopped	▶ Start ▼	CMU 'ibaCMU-S M...	-
CMU-Task ibaCMU-S Test Fue [4059] @ 192.168.17.132	2025-06-24 17:57:00	2025-06-24 17:58:00	00:00:01.825	* / 1 * * * *	Stopped	▶ Start ▼	0 Dat file(s) from C...	-
CMU-Task ibaDAQ [40103] @ 10.40.55.130	2025-06-24 17:57:00	2025-06-24 17:58:00	00:00:00.176	* * * * *	Stopped	▶ Start ▼	CMU 'ibaDAQ' is di...	-
CMU-Task ibaDAQ [40109] @ 127.0.0.1	2025-06-24 17:57:01	2025-06-24 17:58:00	00:00:00.100	* / 1 * * * *	Stopped	▶ Start ▼	CMU 'ibaDAQ' is di...	-
CMU-Task ibaDAQ [40112] @ 127.0.0.1	2025-06-24 17:57:01	2025-06-24 17:58:00	00:00:00.095	* * * * *	Stopped	▶ Start ▼	CMU 'ibaDAQ' is di...	-
CMU-Task ibaDAQ [40117] @ 0.0.0.0	2025-06-24 17:57:01	2025-06-24 17:58:00	00:00:00.060	* / 1 * * * *	Stopped	▶ Start ▼	CMU 'ibaDAQ' is di...	-
CMU-Task ibaDAQ [4081] @ 127.0.0.1	2025-06-24 17:57:00	2025-06-24 17:58:00	00:00:00.011	* / 1 * * * *	Stopped	▶ Start ▼	CMU 'ibaDAQ' is di...	-
CMU-Task ibaDAQ [4091] @ 10.40.55.130	2025-06-24 17:57:00	2025-06-24 17:58:00	00:00:00.015	* / 1 * * * *	Stopped	▶ Start ▼	CMU 'ibaDAQ' is di...	-
CMU-Task ibaDAQ Office Linz [4077] @	2025-06-24 17:57:00	2025-06-24 17:58:00	00:00:00.351	* * * * *	Stopped	▶ Start ▼	CMU 'ibaDAQ' is di...	-

1 - 17 of 17 items

4.4 Authentication - Show dialog 15min before session expires

By default, after logging in, a user can remain logged in for **7 days** without needing to re-enter their credentials.

If the user is actively working and the session is about to expire, a dialog will appear **15 minutes before expiration**, allowing the user to either **extend the session** or **log out**.

The expiration timeout can be set in the appsettings.json file with the JwtIssuerOptions.ValidFor.

```

49  "JwtIssuerOptions": {
50    "Issuer": "webApi",
51    "ValidFor": "7 00:00:00"
52  },

```

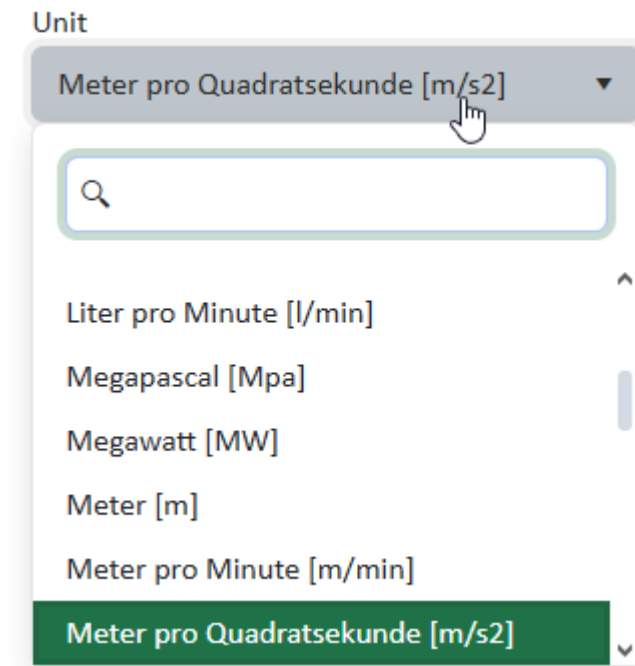
Your session is about to expire

You will be logged out automatically in **14:56** minutes.

Log out now
Continue session

4.5 Add search for short form units for all unit dropdowns

Now all unit dropdowns support search for short form and long form units at the same time.



4.6 Installer checks db_owner rights of database user before installation

The installer now checks also if the user has db_owner rights on the given database. If not, an error is shown. This prevents continuing the installation process and errors afterwards.

4.7 Add comment field and Id for snapshots

It is now possible to add comments for each snapshot. The snapshot Id is also shown now.

