



Release note

Contents

Release 2026_102	3
Fixed bugs	3
Improvement	3
New feature	3
Release 2025_405	4
Fixed bugs	4
Improvement	4
New feature	4
Release 2025_333	5
Fixed bugs	5
Improvement	5
New feature	5
Release 2025_322	6
Fixed bugs	6
Improvement	6
New feature	6
Release 2025_312	6
Fixed bugs	6
Improvement	6
New feature	7
Release 2025_304	7
Fixed bugs	7
Improvement	7
New feature	8
Release 2025_207	8
New feature	8
Release 2025_206	8
Fixed bugs	8
Improvement	9
New feature	9
Release 2025_109	10
Fixed bugs	10

XEM510
XEM520



Release 2025_106	10
New feature	10
Improvement	11
Fixed bugs	12
Release LLM_2024_403	13
New feature	13
Improvement	14
Fixed bugs	15
Release LLM_2024_317	15
New feature	15
Improvement	17
Fixed bugs	17
Release LLM_2024_306	17
New feature	17
Improvement	18
Fixed bugs	19
Release LLM_2024_208	19
New feature	19
Improvement	21
Fixed bugs	22
Release LLM_2024_126	23
New feature	23
Improvement	25
Fixed bugs	25
Release LLM_2024_112	25
New feature	25
Improvement	26
Fixed bugs	27



Release 2026_102

Fixed bugs

- LLM-2962 : Unable to upload more than 1 EVCS update file at the same time
- LLM-2928 : Cluster tab is not hidden for advanced user
- LLM-2902 : If a RFID badges import file is imported without header line, no error is displayed.
- LLM-2947 : Double slash on custom CPO for new CPO

Improvement

- LLM-2907 : Some custom keys for WP2 are not supported by LLM
- LLM-2927 : Change the picture of the login page with new EVCS range
- LLM-2926 : Remove useless CT ratio in the list (with primary current < 30A)
- LLM-2961 : Improve cluster measurement parameter UX

New feature

- LLM-2958 : The modbus TCP server feature is open for free
- LLM-2888 : As an admin or advanced user, I want to connect my charging stations to multiple CPOs

XEM510
XEM520



Charging Point Operator settings

Choice of operator

Fraxia

ChargePoint

Comptel

Custom CPO 1

Websocket address

ws://test.cpo.fr

Authentication type

None

Custom CPO 2

Websocket address

ws://charge.point.operator.test.fr

Authentication type

Basic

CPO list

eCarUp

Custom ID

http://source-bottom-line.info/(Custom ID)

Custom ID

Fixed bugs

- LLM-2852 : WallBoxBadgeManager database upgrade failure (impossible to add more than 63 badges)
- LLM-2915 : Last plugged is not prio 1 but prio 2
- LLM-2842 : Small issue when deleting an offline wallbox (webapp refresh needed)
- LLM-2841 : Reset factory does not work with LLM_2025_322 (random issue)
- LLM-2799 : Small bug for phase mapping on connector 2 for witty park 1
- LLM-2217 : Update not completed using smartphone
- LLM-2806 : Importing badge has a small issue (if 350 badges are integrated OK button still activated)
- LLM-2902 : Robustness of badges import

Improvement

- LLM-2830 : Display solar mode toggle switch in case of static load management
- LLM-2787 : Automatic M3 min current adjustment depending on EV41 parameter (workaround for WP1 issue)
- LLM-508 : Addition of an info tip on the status of the EVCS In order to better understand in which state the charging station is

New feature

- LLM-77 : Clusters integration. Maximum 8.

Release 2025_405

Fixed bugs

- LLM-2852 : WallBoxBadgeManager database upgrade failure (impossible to add more than 63 badges)
- LLM-2915 : Last plugged is not prio 1 but prio 2
- LLM-2842 : Small issue when deleting an offline wallbox (webapp refresh needed)
- LLM-2841 : Reset factory does not work with LLM_2025_322 (random issue)
- LLM-2799 : Small bug for phase mapping on connector 2 for witty park 1
- LLM-2217 : Update not completed using smartphone
- LLM-2806 : Importing badge has a small issue (if 350 badges are integrated OK button still activated)
- LLM-2902 : Robustness of badges import

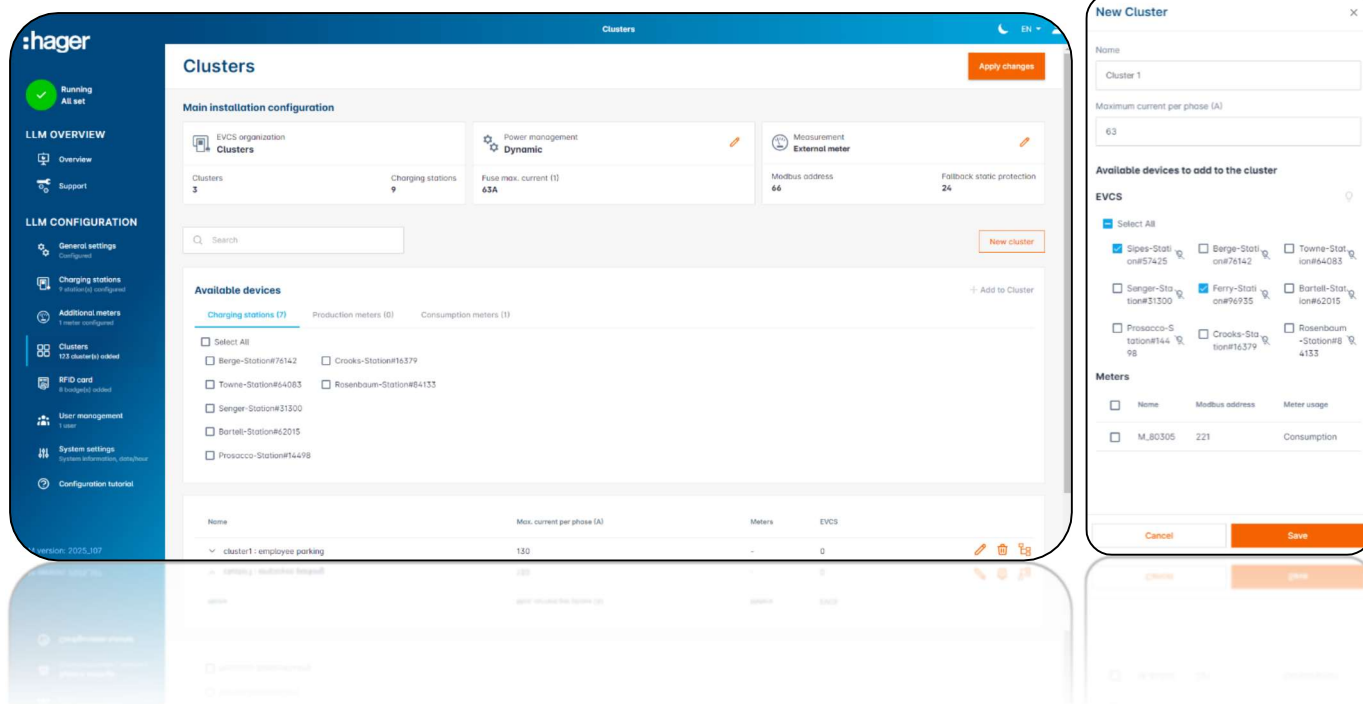
Improvement

- LLM-2830 : Display solar mode toggle switch in case of static load management
- LLM-2787 : Automatic M3 min current adjustment depending on EV41 parameter (workaround for WP1 issue)
- LLM-508 : Addition of an info tip on the status of the EVCS In order to better understand in which state the charging station is

New feature

- LLM-77 : Clusters integration. Maximum 8.

XEM510
XEM520



Release 2025_333

Fixed bugs

- LLM-2819 : /apps part is filled at 100% by openresty log

Improvement

- LLM-1106 : Automatic restart of the Witty Park 2 if disconnected more 15 min
- LLM-2674 : Change Witty Park II Webserver's admin account password after Discovery

New feature

- LLM-2834 : Allow connection for Witty Park 2 DE and FR refs
- LLM-2742 : As an ADMIN user, I want to activate load-shedding to be compliant with §14a German regulation

Release 2025_322

- LLM-2819 : /apps file is filled at 100%. Not functioning anymore. After update, red led on pwr.
- LLM-2777 : RaucFile applied partially - Either /apps or /data squashfs is mounted (PWR LED in solid red)
- LLM-2790 : Licenses management - issue with the minimal version check. The Front displays an error saying that update is needed but it's not the case.

- LLM-2761 : Improve load management behavior in case of single phase EVCS

- LLM-2405 : Auto configuration with XVG222S and XVP222S (with version 1.1.13.4)

Release 2025_312

- LLM-2762 : Wrong LLM app version displayed in webapp in case of update server failed

- LLM-2728 : Allow CPO modification of the OCPP key to activate EVCS free access
- LLM-2713 : The LLM activate the low data mode on the witty Pro when “low data” mode is set on the LLM
- LLM-1036 : When the LLM is resetted, the OCPP profile cache of the charging stations will be deleted (example : default charging profile at 6a)
- LLM-1853 : New setting to allow the user to start several charging sessions with the same badge

XEM510
XEM520



New feature

- LLM-2405 : Integration of the witty park 2 charging station XVP222S and XVG222S (manual mode). Need to put the websocket (with the IP address : ws://<LLM IP address>:7681/hager/websocket/CentralSystem/) in the charging station (min software version 1.1.0.11)

The screenshot displays the Hager EVCS configuration web interface. The sidebar on the left contains navigation links for 'LLM OVERVIEW' (Overview, Support) and 'LLM CONFIGURATION' (General settings, Charging stations, Additional meters, RFID card, User management, System settings, Configuration tutorial). The main content area is titled 'hager-evcs-UUJnxB' and shows the configuration for a specific EVCS. The 'Basic settings' section includes fields for Hostname (hager-evcs-UUJnxB), Name (EVCS 1), Phase mapping (L1, L2, L3), Local OCPP ID (3a5wKAyKC8qbx5UJnxB), IP address (192.168.10.103), Charging authorisation (All element(s)), and MAC address (54:8D:04:5B:d0:d2). A diagram of the charging station is shown with labels for 'Mode 3 Left Connector(1)' and 'Mode 3 Right Connector(2)'. The 'Advanced settings' section is partially visible below.

Release 2025_304

Fixed bugs

- LLM-2696 : LTE - Activating / Deactivating low data is not working correctly & GTOU refused
- LLM-2695 : Support - Witty Pro do not reboot before charging session is not done (local mode)
- LLM-2686 : Local update via LLM webapp - If the update is canceled, impossible to restart an update
- LLM-2682 : StatusNotifications are forwarded twice to CPO at each connection
- LLM-2667 : OCPP ws connection is not closed by the LLM before connection establishment
- LLM-2660 : Sometimes the connection of the EVCS is refused by the LLM after an internet cut
- LLM-2648 : M2 socket charging session is suspended immediately

Improvement

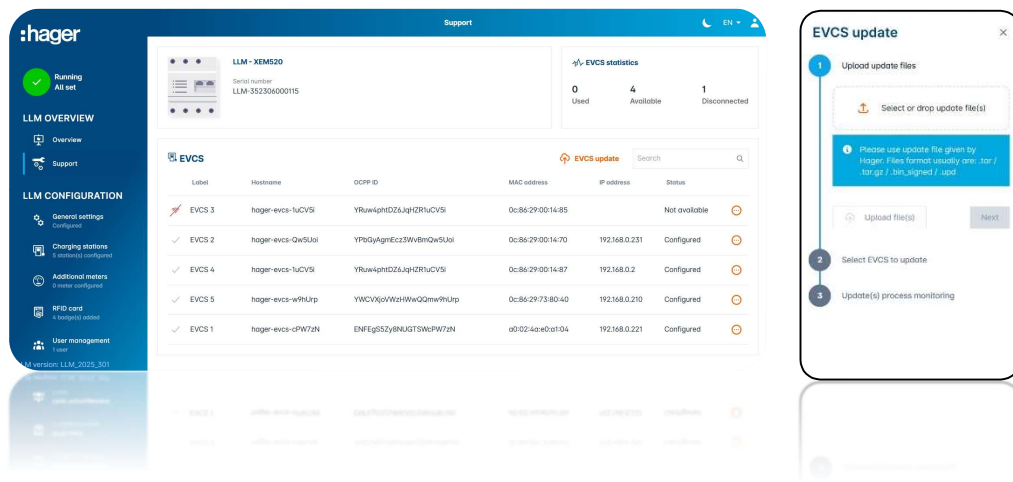
- LLM-2685 : WittyPro wallbox remove process sometimes is too slow
- LLM-2679 : Allow adding badge by file even if id tag already exist in system
- LLM-2670 : Change Witty Pro Webserver's admin account factory password after Discovery
- LLM-2586 : As an ADMIN, I want to define the location of the WAN port in case of separated network mode
- LLM-2538 : Do not disconnect EVCS in case of CPO connection failure if charging session in progress

XEM510
XEM520



New feature

- LLM-2567 : New support tab where we can update and reboot the EVCS



Release 2025_207

New feature

- Integration of the new witty pro CH charging station

Release 2025_206

Fixed bugs

- LLM-2594 : DC charger license limit not managed correctly
- LLM-2593 : Reboot warning popup displayed during onboarding if secondary DNS is empty
- LLM-2591 : Inactive/expired supervisor badge can stop another charges in progress
- LLM-2590 : CPO with custom ID: "/" missing at the end of the ws address (read only address)

1 **Choice of operator**

CPO list

Ecarup

Customer ID on URL server

ws://www.ecarup.com/op/**Ecprptefc**custom ID}

{Custom ID}

Custom id is required for this CPO

Next

- LLM-2589 : Cancel function not working for the charging authorization parameter in EVSE advanced view
- LLM-2573 : Total EVSE energy consumption value retrieved via Modbus does not match with the total value calculated via persistent db data
- LLM-1718 : corrupted subMeter json File after update
- LLM-2615 : Modbus EVCS slave id cannot be > 20
- LLM-2547 : Alpitronic DC charger not deleted

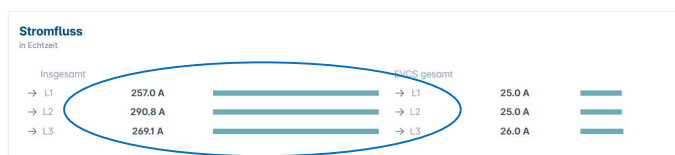
XEM510
XEM520



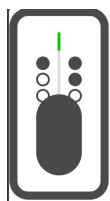
- LLM-1776 : Charging session started by remoteStart from LLM in CPO mode
- LLM-2655 : Witty Pro - StopTransaction not forwarded to CPO after powercut
- LLM-2656 : LLM do not send call error on invalid meter values requests received
- LLM-2657 : Transaction stopped due to MeterValueSampledData mismatch
- LLM-2658 : Recovery stop transaction not forwarded to CPO
- LLM-2223 : [BACK] Remotestart like in Free access sent by LLM to EVCS just after the CPO mode activation

Improvement

- LLM-2607 : Adjust dynamically the max. threshold of the consumption bars in the overview



- LLM-2558 : Change RFID "system" limit to 350 badges
- LLM-2563 : Integrate EVCS picture on the advanced view



New feature

- LLM-2646 : Integration of the new witty pro charging station

hager

Running
All set

LLM OVERVIEW
Overview

LLM CONFIGURATION
General settings
Charging stations
Additional meters
RFID card
User management
System settings
Configuration tutorial

hager-evcs-4aD48D

This Hager station is preconfigured

Basic settings

Hostname
hager-evcs-4aD48D

Name
GetWeb-Station96767

Locate this EVCS

Phases mapping
L2

Local OCPP ID
3a3a3a3a3a3a3a3a

IP address
192.168.1.107

Charging authorisation
5 element(s) associated

MAC address
d1:30:2c:3c:0a:3a

Advanced settings

Mode 3

Maximum current per phase (A)
32

Minimum current per phase (A)
10



Release 2025_109

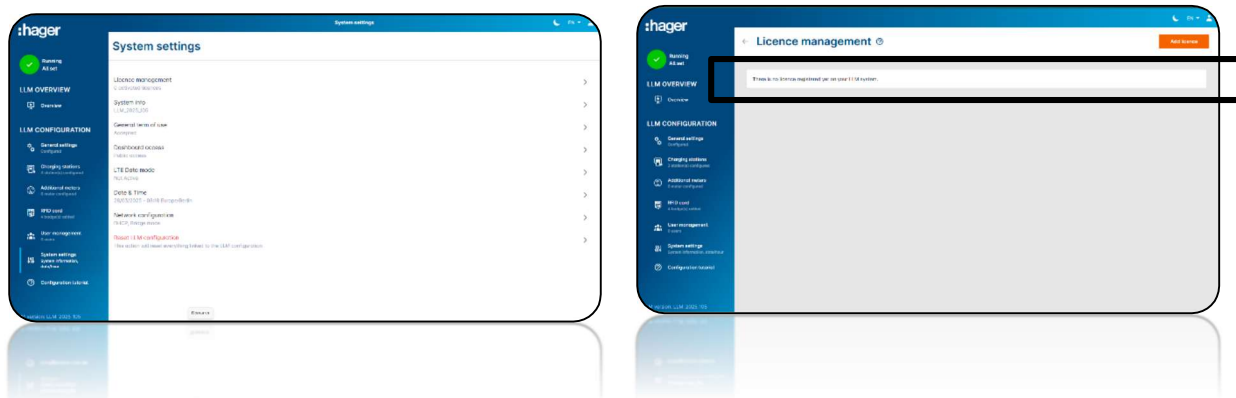
Fixed bugs

- Since 2024_317, the "Ifconfig" file is growing continuously and can fill in the memory (after approximately 120 days).
- RSCP connection to Remote Console Server not working with websockets. Appears on installation where the 4001 port is close.
- Update with .llm file impossible through the webapp locally.

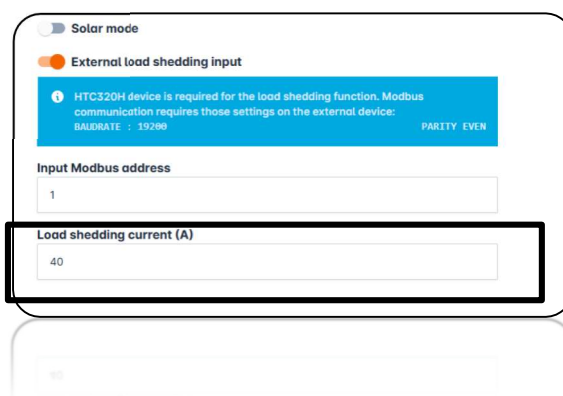
Release 2025_106

New feature

- Management of the license integration. The customer will be able to upload .lic file in the LLM to add functionalities.

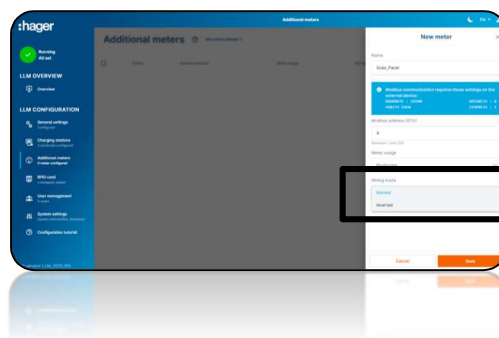


- LLM-2290 : As an user, I want to reduce the available power if the HTC input is ON

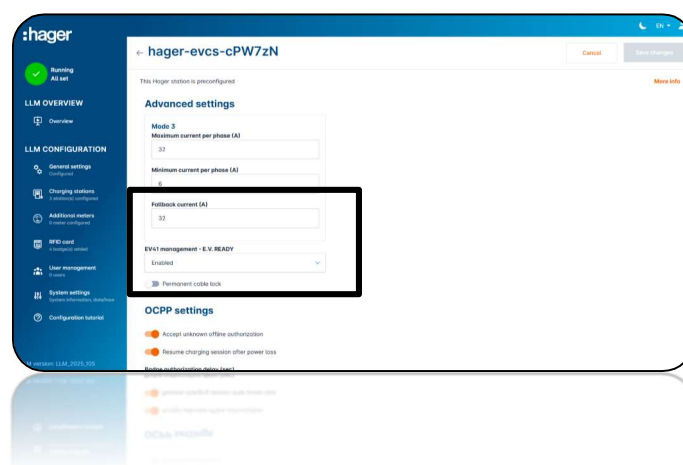


- LLM-2275 : As an ADMIN, I want to know if my additional meter is wrongly wired and invert it virtually

XEM510
XEM520

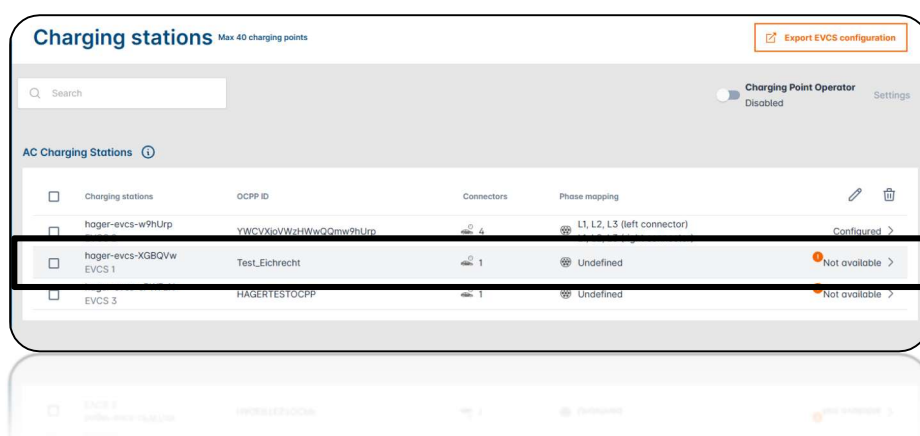


- LLM-2231 : As an user, I want to have adaptive sort interval also activated by default
- LLM-963 : As an ADMIN/Advanced User, I can activate/deactivate EV41 function on EVSE
- LLM-961 : As an ADMIN/Advanced User, I can set fallback current on EVSE
- LLM-958 : As an ADMIN/Advanced User, I can enable/disable permanent cable function on EVSE



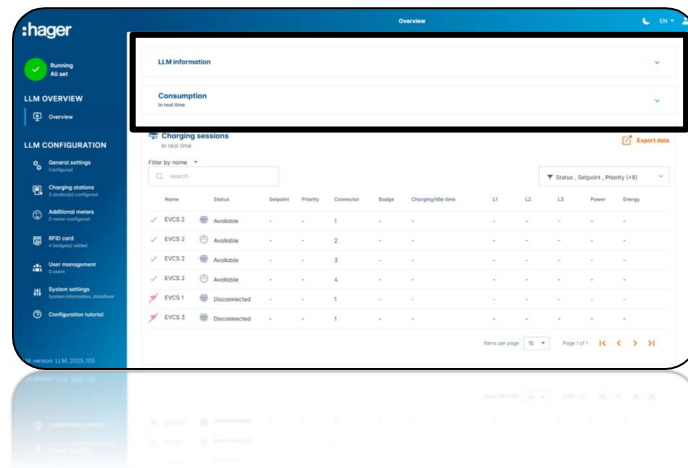
Improvement

- LLM-2529 : Improve UX in charging stations tab after adding EVCS (highlighted line + warning if phase mapping not set)



- LLM-2518 : Speed up bulk edit for RFID cards
- LLM-2515 : [FRONT] Dashboard : allow user to collapse widget when not relevant

XEM510
XEM520



- LLM-2392 : Separated network mode: add possibility to use DHCP client feature on LAN2 port
- LLM-2335 : [BACK] Factory reset - no redirection on login page
- LLM-947 : APP LED should be green when fully configured
- German translation update

Fixed bugs

- LLM-2516 : after update in 2024_403, Load shedding isn't working anymore with the HTC.
- LLM-2508 : XEM510 : Cannot change network settings
- LLM-2403 : Disconnection in loop with CPO Reev
- LLM-2389 : After an EVCS reboot, the submeter config will not be lose anymore (not always the case)

XEM510
XEM520



Release LLM_2024_403

New feature

- [LLM-2306] – More detailed about the status of external power meter (example : warning if consumption for a PV meter)

Additional meters ⓘ Max meter allowed: 7

by name or address

<input type="checkbox"/>	Name	Modbus address	Meter usage	Wiring mode	Status	
<input type="checkbox"/>	test	36	Production	Normal	Disconnected	

- [LLM-2308] – The installer can change external power meters wiring mode (only on the additional external meters)

Edit meter ✕

Name

test

Modbus communication requires those settings on the external device:
BAUDRATE : 19200 DATABITS : 8
PARITY : EVEN STOPBITS : 1

Modbus address (RTU)

36

Between 1 and 250

Meter usage

Production

Wiring mode

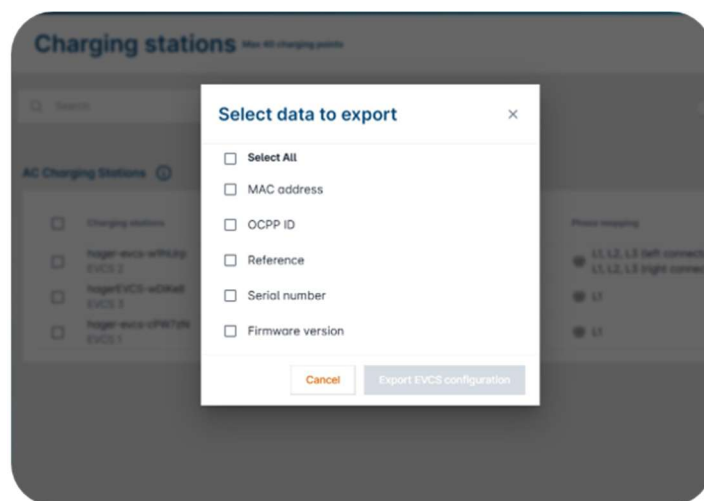
Normal

Inverted

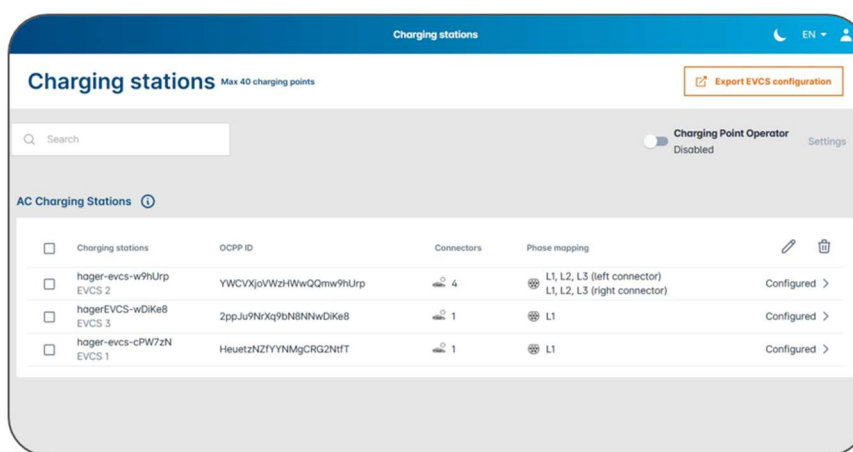
Cancel Save

- [LLM-2318] - The installer can select column which are displayed on the charging stations table before exporting

XEM510
XEM520

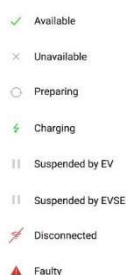


- Search bar on EVCS page (nickname, hostname, OCPP ID...)



Improvement

- [LLM-2400] - Integrate latest status logo on overview



- [LLM-2285] - Remove "restore pre-configuration" button on EVCS advanced view
- [LLM-2143] – Error messages displayed if reset of the LLM failed
- [LLM-2286] - Display automatically the pending badge list when a new badge is added

XEM510
XEM520



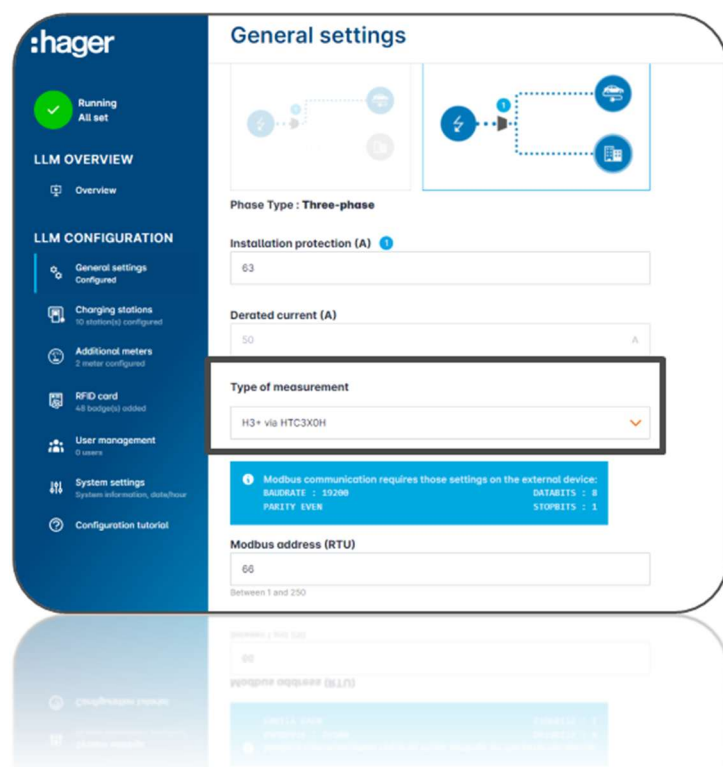
Fixed bugs

- [LLM-2397] - External input address is blocked even if not already used
- [LLM-2394] - Supervisor badge cannot start a charge when charging authorization list has been modified
- [LLM-2355] - Crash when internet connection is lost
- [LLM-888] - Response from getConfiguration of specific key not supported by LLM return an empty "unknownKey" list
- [LLM-2251] - Start/Stop Tx not forwarded to CPO when offline charging sessions on connectors 1 and 3 (only with witty Park)
- [LLM-2401] - Witty Park picture isn't displayed on advanced settings for models "XEV6XXC_1P" and "XEV6XXC_3P"

Release LLM_2024_317

New feature

- New type of measurement for the installation consumption with a H3+ energy through HTC310H or HTC320H. If H3+ is a three-pole reference (without neutral), use the HTC160H accessory.



- New network configuration settings : Bridge mode or Separated mode

XEM510
XEM520



Network configuration

☒ Bridge mode ☐ Separated mode

DHCP client
Static IP

IP address
193.249.242.152

Sub network mask
255.255.255.0

Default gateway
226.51.246.251

Primary DNS
230.178.189.252

Secondary DNS
10.36.104.118

In case of problem, please use this address as a fallback to connect on the web interface: <http://192.168.0.253.local>

Network configuration

☐ Bridge mode ☒ Separated mode

LAN1973
DHCP client

LAN30955
DHCP server

IP address
123.16.71.72

Sub network mask
255.255.255.0

In case of problem, please use this address as a fallback to connect on the web interface: <http://192.168.0.253.local>

Network configuration

☐ Bridge mode ☒ Separated mode

LAN1
DHCP client

LAN2
DHCP server

IP address
10.68.6.71

Sub network mask
255.255.255.0

In case of problem, please use this address as a fallback to connect on the web interface: <http://hager-dm-GK2cukr.local>

- Integration of additional meter (PV production)

Additional meters

New meter

Name
PV production

Device
Hager DM-GK2cukr

Manufacturer
Hager

Model
DM-GK2cukr

Version
1.0

Protocol
Modbus

hager

Dynamic

2A

Consumption

Device	Power	Energy
1	10.0	10.0
2	10.0	10.0
3	10.0	10.0

Production

Device	Power	Energy
1	10.0	10.0
2	10.0	10.0
3	10.0	10.0

Charging sessions

Filter by name

hager

- Localisation mode

XEM510
XEM520



hager-evcs-cPW7zN

This Hager station is preconfigured

Basic settings

Hostname
hager-evcs-cPW7zN

Name
EVCS 2

☒ Localise this EVCS 10 min

Phases mapping

L1

SubMetering settings

Submetering settings

Improvement

- [LLM-2130] - Freeze line with column name and edit/delete button on charging stations tab
- [LLM-2142] - The CPO connection is faster.

Fixed bugs

- [LLM-2248] - Time format not managed. Ex : UTC+01:00
- [LLM-2249] - StartTransaction recovery detected in cpo mode due to LLM time not being synced
- [LLM-2107] - Ignore change config in case ConnectorPhaseRotation replies Not applicable for Connector 2. Connection to the LLM is faster.
- [LLM-2171 and 2182] - Unexpected reboot due to a crash of the software
- [LLM-2177] - External meter fallback static protection value is resetted to default value after LLM reboot or update
- [LLM-2202] - GTOU or low data state is not reset after factory reset
- [LLM-2218] - Offline started transaction - Start / Stop not forwarded to CPO
- [LLM-2219] - Offline transaction - Start/Stop Transaction with wrong data are sent to the CPO
- [LLM-2113] - Languages dropdown list cannot be scrolled on mobile view

Release LLM_2024_306

New feature

- [Back/Front] - New EVCS parameter to set if charge can be started when EVCS is not connected to LLM (except : Eichrecht version and XEV1Rxx with version RC28)
- [Back/Front] - New EVCS parameter to set if charge can be restarted automatically after EVCS powercut less than 2 minutes (except : Eichrecht version ; if CPO doesn't allow this setting)

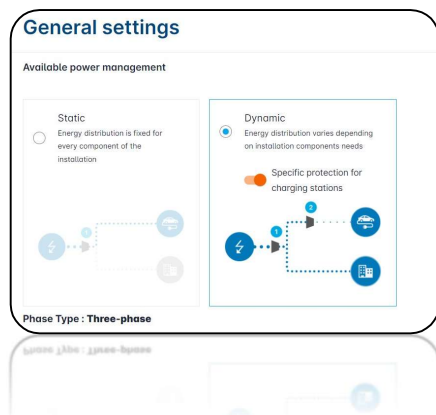
OCPP settings

- ☒ Accept unknown offline authorization
- ☒ Resume charging session after power loss

XEM510
XEM520



- [Back/Front] - One cluster mode. Define a specific “protection” current for the EVSE and one different for the building



Installation protection (A) 1

63

Derated current (A)

50 A

Maximum current for charging stations (A) 2

50

- [Back/front] – Possibility to export the EVCS configuration list

Charging stations Max 40 charging points

Charging Point Operator Disabled Export EVCS configuration Settings

Charging stations	OCPP ID	Connectors	Phase mapping	
hager-evcs-wDka8 EVCS 1	2ppA/PKXqT0N8NnxDkx8	1	L1	Not available >
hager-evcs-wRnUp EVCS 2	YWCVXpWzHrWQmWPhUp	4	L1, L2, L3 (left connector) L2, L3, L1 (right connector)	Configured >
hager-evcs-cPw7zN EVCS 3	ENFEg552y8NUGTSWcPw7zN	1	L1	Configured >

Select data to export

Select All

mac address

base_ocpp_id

Reference

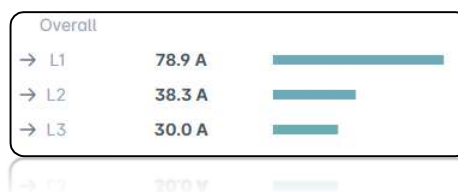
serial_number

firmware_version

Cancel Export EVCS configuration

Improvement

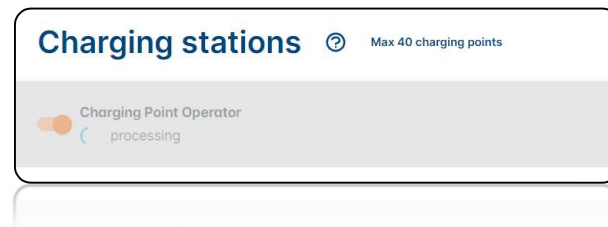
- [Front] - Do not display max current for TE connectors on dashboard
- [Front] - Delete in progress message is not displayed when removing an offline EVCS
- [Back] - Handle ws ping management for CPO connection (broker or direct). Websocket ping interval requested by some CPO (ex: E-Flux, Compleo)
- [Front] - Visualization optimisation in the dashboard (overall consumption)



XEM510
XEM520

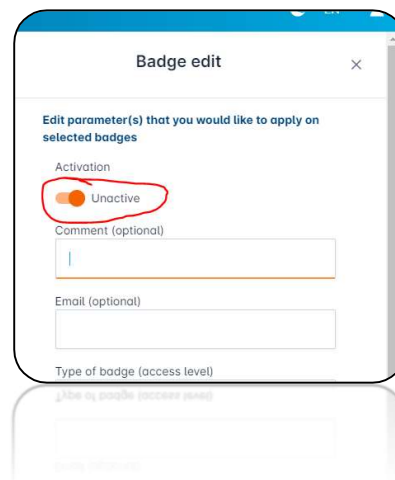


- [Back] - Optimization of the "suspended EV" setpoint. Energy reservation only if enough power available or in priority 1.
- [Back] - Reduce data consumption in case of low data mode activated
- [Back] - EMC rebooted several times after an update
- [Back] - Improve transition CPO activated => CPO deactivated (spinner display)



Fixed bugs

- [Back] - No more EVSE reconnection to the LLM, in case of internet loss during few hours, until EVSE reboot (XEV1Rxx)
- [Back] - Internal server error (out of memory)
- [Back] - OCPP connection to broker is not possible if OCPP id contains whitespace character
- [Back] - Wrong management with hostname finishing by -xxx (ex : hager-evcs-Ebh68s-1.local)
- [Back] - Client websocket ping interval property not taken into account
- [Back] - Charging sessions can be started without system configuration
- [Front] - Wrong toggle button position in case of unactive badge



- [Back] - EVCS not deleted during factory reset if its IP has changed
- [Back] - Impossible to refuse GTOU when low data mode is activated
- [Back] - Unable to access wallboxes when multiple ip addresses for a single mac within arp table
- [Back] - EVCS not deleted during factory reset if its IP has changed
- [Back] - Min current per phase duplicated line within lotecha eichrecht json profiles
- [Back] - IP address is not update after wallbox reconnection in cpo mode on

Release LLM_2024_208

New feature

- Visualization of the priority Rank and the charging setpoint in the dashboard for admin profile.

	Name	Status	Setpoint	Priority	Connector	Badge	Charging/Idle time	L1	L2	L3	Energy
	LLMtest9	Charging	2 A	1	1	-	03h49m / 00m21s	30/32 A	0/32 A	0/32 A	25,496 kWh
	LLMtest15	Suspended by EV	1 A	2	1	-	01h02m / 04h09m	0/32 A	0/32 A	0/32 A	0 Wh
	LLMtest6	Suspended by EV	1 A	3	1	-	02h10m / 01h46m	0/32 A	0/32 A	0/32 A	17,213 kWh
	LLMtest6	Charging	1 A	4	3	-	04h50m / 53m52s	3/32 A	3/32 A	3/32 A	17,887 kWh
	LLMtest7	Suspended by EV	5 A	5	3	-	01h42m / 04h05m	0/32 A	0/32 A	0/32 A	0 Wh
	LLMtest5	Suspended by EV	2 A	6	1	-	04h48m / 55m10s	0/32 A	0/32 A	0/32 A	17,412 kWh
	LLMtest7	Suspended by	1 A	7	1	-	01h46m / 03h40m	0/32 A	0/32 A	0/32 A	651 Wh

- ## System settings

System info

LLM_2024_205

>

General term of use

Accepted

>

Dashboard access

Admin access

>

LTE Data mode

Not Active

>

← LTE Data Mode

☒ Not Active

☐ Active

i This mode must only be activated if the Local Load Manager is connected to Internet via LTE communication with IMEI data restriction.

Be careful, once activated, the device will not get automatic software updates and Hager team will not be able to bring remote support if needed or monitor the device health status (as described on general term of use).

- [Back/Front] – Possibility to set a fix IP address. Possibility to connect, directly, to the LLM with a PC and a RJ45 cable without router. No need to change the ethernet settings of the PC. Just type the LLM url : `http://hager-llm-xxxxx.local`.

System settings	
System info	>
LLM_2024_205	
General term of use	>
Accepted	
Dashboard access	>
Public access	
LTE Data mode	>
Not Active	
Date & Time	>
18/05/2024 - 12:15 Europe/Berlin	
Network configuration	>
DHCP	

← Network configuration

Select network adapter to edit: br0

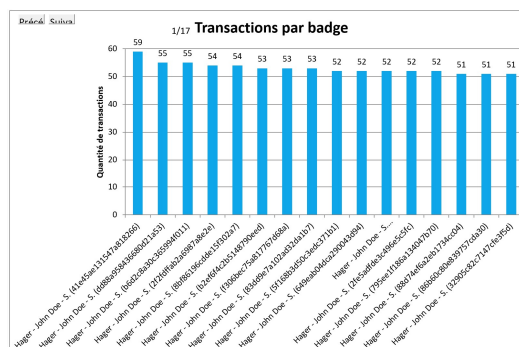
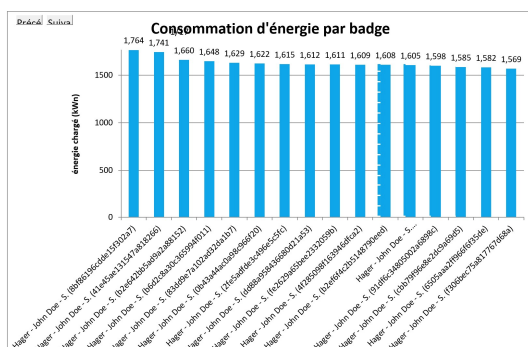
LLM network address to set

Automatically (via DHCP)

Manually (fixed IP)

i In case of problem, please use this address as a fallback to connect on the web interface: `http://hager-llm-24v9it.local`

- [Back] – When export the data consumption, new graph are automatically generated.

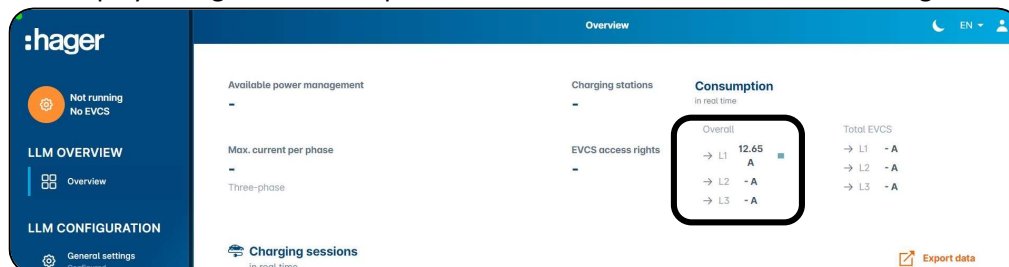


XEM510
XEM520

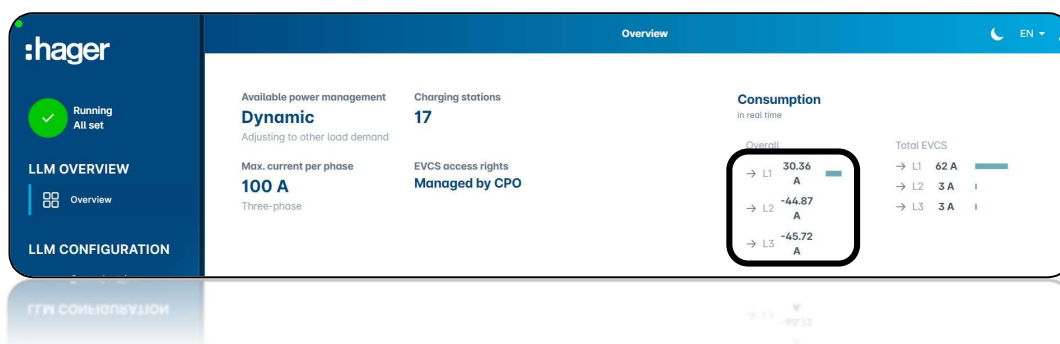


Improvement

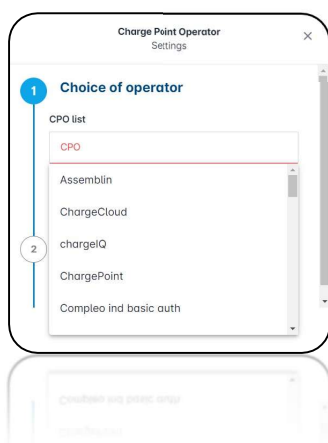
- [Back] – Update is faster. Less than 10 min with a PC.
- [Back] – The EVSE doesn't restart anymore after setting the CPO mode.
- [Front] – LLM display the "global consumption" on the dashboard even if all the settings aren't set.



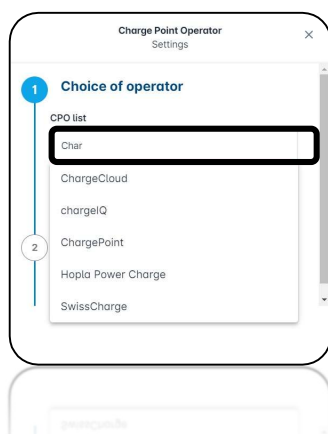
- [Front] – LLM display the negative power on the dashboard, in case of energy production (PV).



- [Front] – CPO list is sort in alphabetic mode

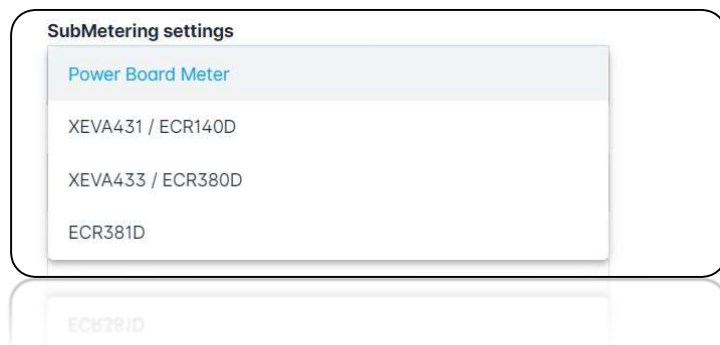


- [Front] – A new search field is added in the CPO list

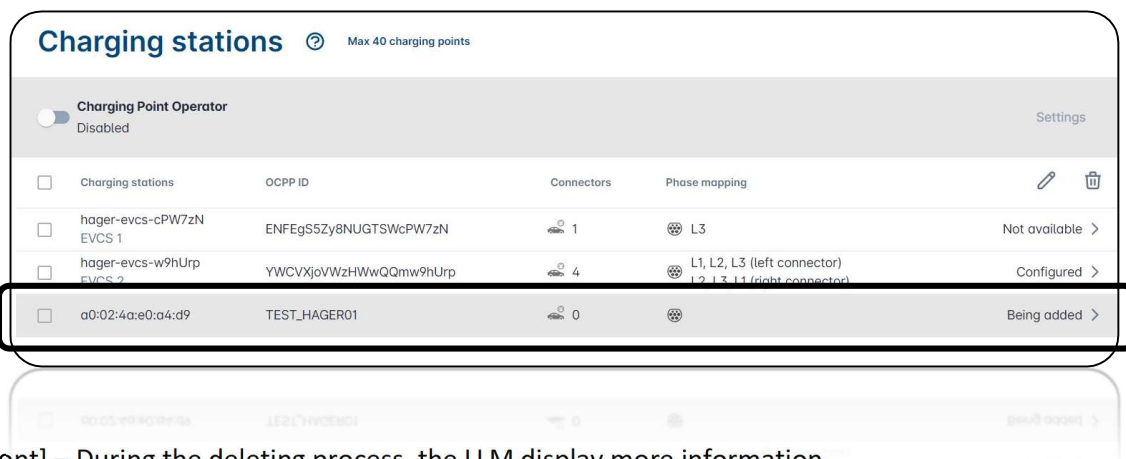




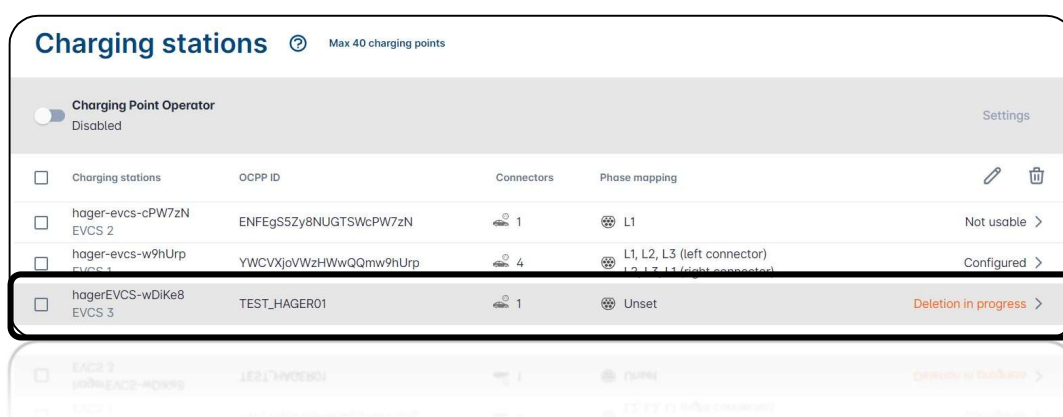
- [Back/Front] – ECR381D is added in the “submeter settings” field



- [Back/Front] – During the discovery process, the EVCS are displayed faster with more state information during the process.



- [Front] – During the deleting process, the LLM display more information.



Fixed bugs

- [Back] – When a car is disconnected from the EVCS, the priority list counter is relaunch (15 min). That's means, for the customer, he can stay more than 15 min in the same position in the charging priority list.
- [Back] – When the LLM is disconnected from the EVCS, and then reconnected, the priority list counter is relaunch (15min). That's means, for the customer, he can stay more than 15 min in the same position in the charging priority list.
- [Back] – If Witty Park is set in single phase, and the power is < 32A the LLM doesn't relaunch the charging session if the EVCS was in “suspended by EVSE” state (EV ready car only)

XEM510
XEM520



- [Back] – Sometimes, after a LLM reboot, it can appear that the charging station stay in “CPO pending” state.
- [Back] – The LLM gives only a low level of current even if there is enough power (example 6A instead of 16A).
- [Back] –Wrong status after a reboot. The charging station which were “suspend by EV” before a LLM reboot, change their status to “suspended by EVSE” after the LLM reboot.
- [Back] – Impossible to set “attached cable” to a witty Park, when connected to an LLM. The LLM “erase” the attached cable settings which was set in the charging station.
- [Back] – In a data consumption export files, badge names are displayed as NA for the Witty Park.
- [Back] – The bulk edit isn’t possible for the min power, from 6A – 9A.
- [Back] – The LLM reserved power to a “finishing” EVSE.
- [Back] – The charging process is relaunch, on a EV41 car, after a reboot of the LLM during the charging session.
- [Back] – LLM reserve now 10A for a TE socket (domestic socket) instead of 16A previously.
- [Back] – Energy is well restored after a reboot during a charging session.
- [Back] - Not able to discover XEV1Rxx references when hostname have been altered by the dhcp server (examples : hager-evcs-CFsebE-2.local)

Release LLM_2024_126

New feature

- Upgrade from 20 to 40 charging points (for the XEM520 only)

Charging stations	OCPP ID	Connectors	Phase mapping
<input type="checkbox"/> hager-evcs-w9hUrp EVCS 1	YWCvXjoVWzHWwQQmw9hUrp	4	L1, L2, L3 (left connector) L2, L3, L1 (right connector)

- An external Hager Modbus meter can be set for the grid measuring.
Compatible refs : ECR380D, ECR381D, ECA380D, ECA381D, ECR310D, ECR311D, ECA310D, ECA311D, ECR300C, ECR301C, ECA300C, ECA301C

Type of measurement

Direct with LLM

LLM with CT

External meter

Available power management

Charging stations

Modbus external meter

Disconnected

Fallback Static

Max. current per phase

EVCS access rights

Badge required

2 badges

63 A

Three-phase

Type of measurement

External meter

Modbus communication requires those settings on the external device:

BAUDRATE : 19200

PARITY : EVEN

DATABITS : 8

STOPBITS : 1

Modbus address (RTU)

0

Between 1 and 250

Fallback static protection (A)

63

In case of modbus connection failure

XEM510
XEM520



- Integration of new references : XEV1R22T2M3 and XEV1R07T2M1
- Filter on the dashboard view

The screenshot displays the Hager LLM Overview dashboard. The left sidebar contains navigation links for 'LLM OVERVIEW' (Overview) and 'LLM CONFIGURATION' (General settings, Charging stations, RFID card). The main content area shows system status (Running, All set) and a table of charging sessions. A filter dropdown for 'Charging sessions' is highlighted with a red box, showing options: 'Filter by name', 'Filter by status', and 'Filter by RFID'. The table lists two EVCS units, both available, with columns for Name, Status, Connector, Badge, Charging/Idle time, L1, L2, L3, and Energy.

Name	Status	Connector	Badge	Charging/Idle time	L1	L2	L3	Energy
✓ EVCS 1	Available	3	-	-	-	-	-	-
✓ EVCS 1	Available	4	-	-	-	-	-	-

XEM510
XEM520



Improvement

- If the HTC320H is configured, but disconnected, the « APP » LED in front of the product, will be red.
- General webapp performance
- Error messages on the CPO settings are more explicite

Fixed bugs

- LLM update wasn't well performed in local mode with .llm file. A reboot was necessary to update the product.
- HTC320H : If another address than 1 is chosen, a reboot was necessary to take it in account
- In the general settings view, when changing the Current Transformers ratio, spinner turn during 30 sec, without refreshing the value. A refresh was necessary to update the view.

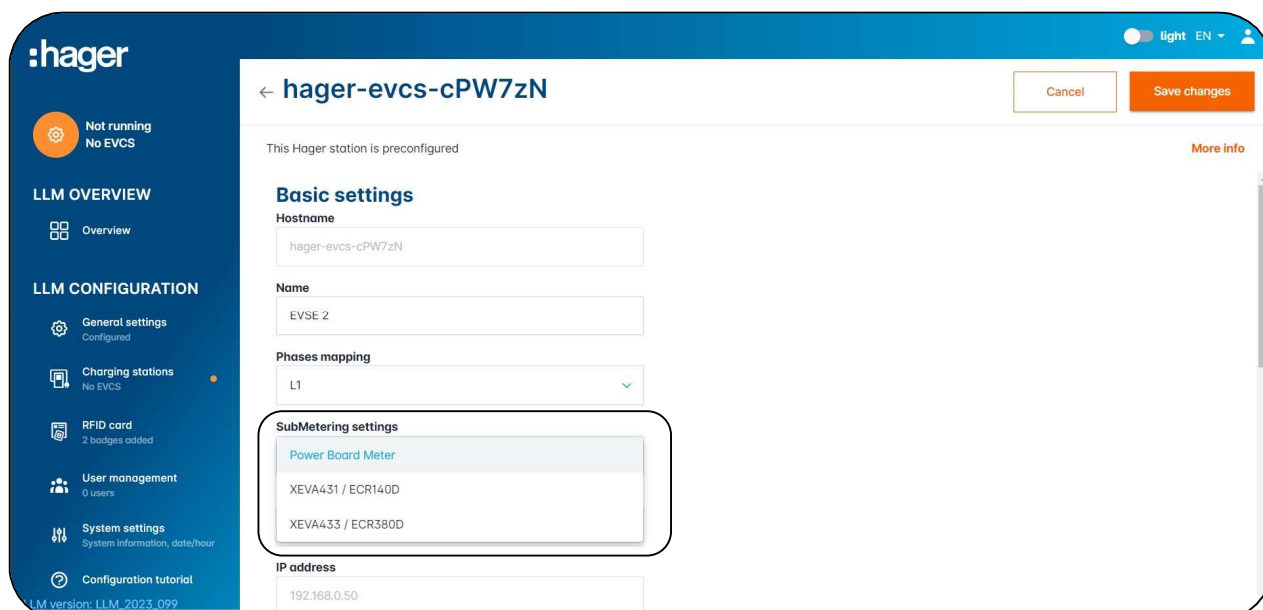
Release LLM_2024_112

New feature

- Several languages added "Italian, Greek, Polish"
- 250 RFID badges can now be store in the LLM
- The LLM serial number is display in the login page and in the system settings tab of the local configurator



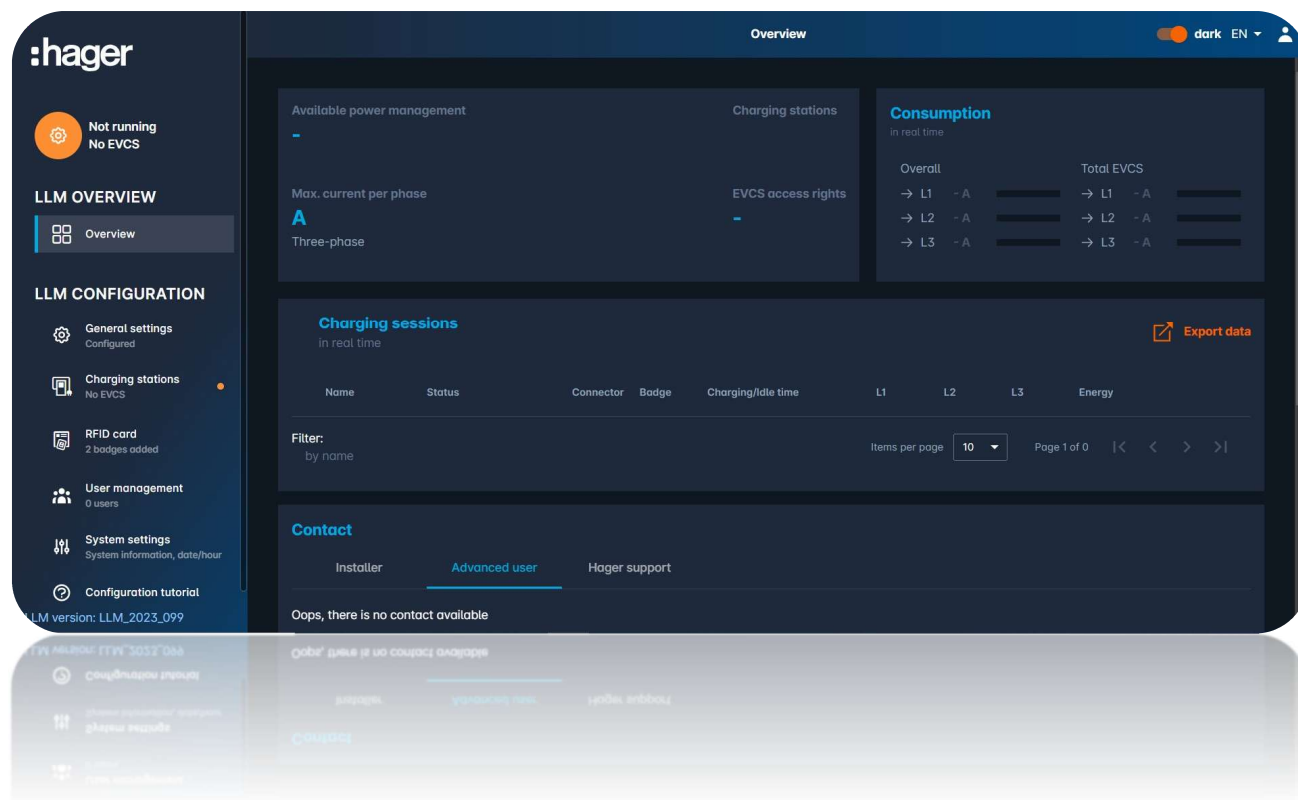
- Add the "MID meter" parameter in the charging station setting (bulk edit also available)



XEM510
XEM520

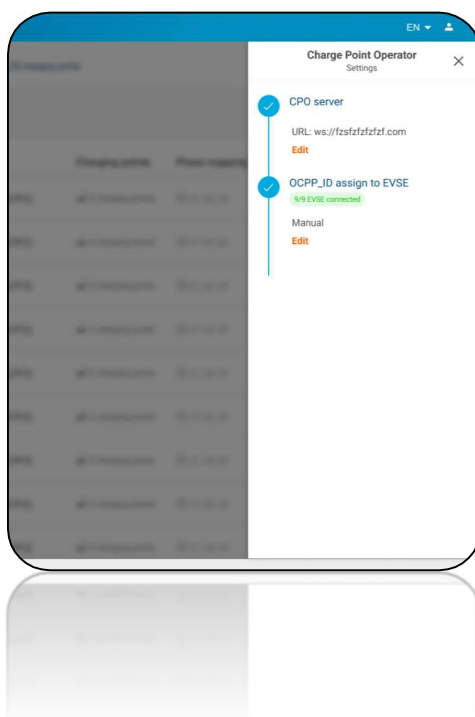


- Dark mode



Improvement

- XEV1Rxxx staying inoperative too long after recovery process (offline charging session).
- Discovery process has been improved (when the LLM isn't connected to the internet)
- CPO settings tab re-design, to have a better overview



XEM510
XEM520



Fixed bugs

- XEV1R22T2TE Single phase - Not possible to charge on M2 socket
- LLM crash if multiple access to the local configurator dashboard.
- M2 socket isn't "suspended" on XEV601C or XEV600C
- EVCS timedrift leads to unexpected end of charging session (appears only on the XEV1Rxxx with a MID meter inside)
- No more OCPP communication between the LLM and the EVCS (OCPP server crash).
- Forward EVCS messages to the CPO when we get a bootnotification reply in "Pending" state.