



CHARGE HUB

ELECTRIC VEHICLE CHARGING SOLUTIONS

Connecting Charge Hub to
Kempower, via ChargeEye

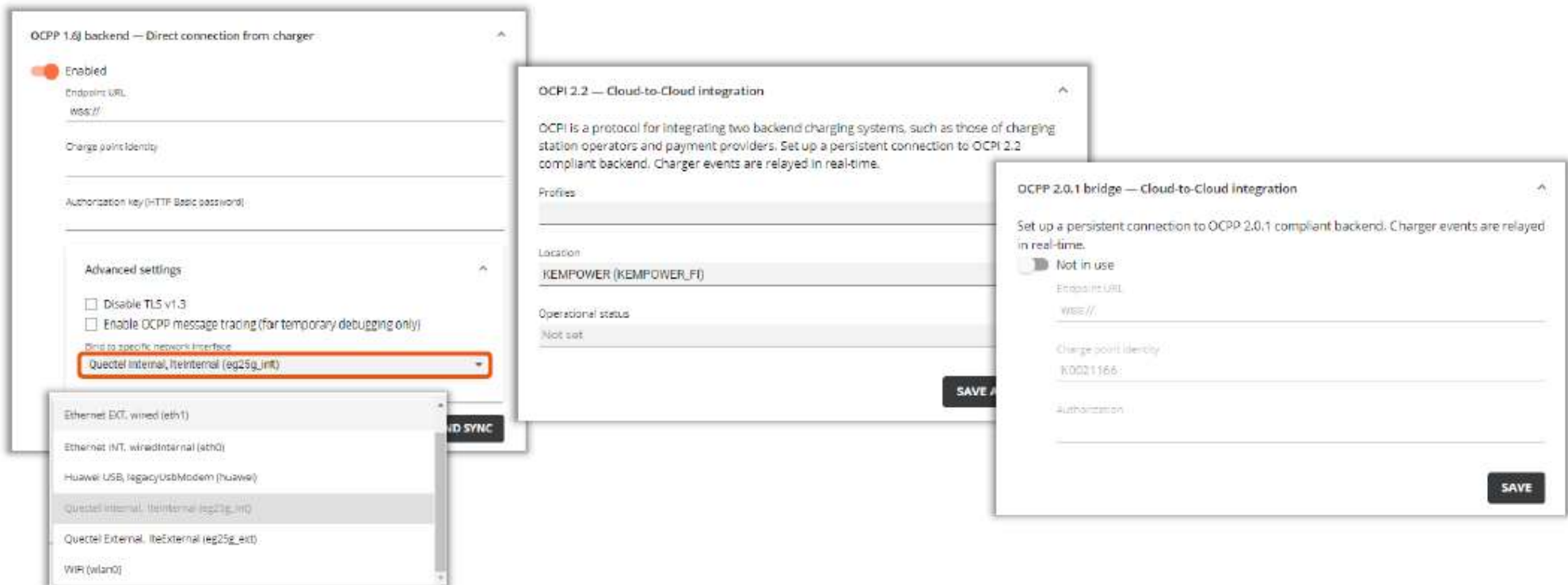
Feb 2023

ChargEye Commissioning tool

Performing commissioning

Step 9 – Operator connectivity

Define the required information to establish connection to external backend cloud service.



The screenshot displays three overlapping configuration panels in the Commissioning tool:

- OCPP 1.6j backend — Direct connection from charger:** This panel is partially visible on the left. It features an "Enabled" toggle, fields for "Endpoint URL" (with "WSS://" entered), "Charge point identity", and "Authorization key (HTTP Basic password)". Under "Advanced settings", there are checkboxes for "Disable TLS v1.3" and "Enable OCPP message tracing (for temporary debugging only)". A dropdown menu for "Pick a specific network interface" is open, showing options: "Ethernet EXT, wired (eth1)", "Ethernet INT, wiredInternal (eth0)", "Huawei USB, legacyUsbModem (huawei)", "Quectel Internal, lteInternal (eg25g_int)", "Quectel External, lteExternal (eg25g_ext)", and "WiFi (wlan0)". The "Quectel Internal, lteInternal (eg25g_int)" option is highlighted with an orange border.
- OCPI 2.2 — Cloud-to-Cloud integration:** This panel is in the center. It includes a description of OCPI, a "Profiles" field, a "Location" field containing "KEMPOWER (KEMPOWER_FI)", and an "Operational status" field set to "Not set". A "SAVE" button is visible at the bottom right.
- OCPP 2.0.1 bridge — Cloud-to-Cloud integration:** This panel is on the right. It contains a description, a "Not in use" toggle, and fields for "Endpoint URL" (with "WSS://" entered), "Charge point identity" (with "K0021166" entered), and "Authorization". A "SAVE" button is at the bottom right.

ChargEye Commissioning tool

Performing commissioning

Step 9 – Operator connectivity

1) Enable the feature and choose the authorization logic

2) Select the authorization method

Note! AutoCharge is still being developed

3) Create a new list of accepted RFID tags

4) If mobile app is used, choose custom logo

Note! Max image size W:185px H:350px



AUTHORIZATION

1 Require authorization to use charger

Authorization required to charge

Action when cable is plugged in

Wait for authorization Begin charging

2 Authorization methods

RFID identification in use

Mobile app identification in use

AutoCharge (EV MAC address-based) identification not in use

Accepted RFID tags

List name	Description	Accepted on this station
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3 NEW RFID TAGS LIST

Branding / Mobile app logo

Branding image is displayed on the charger display when user is required to authorize.

4 CHANGE

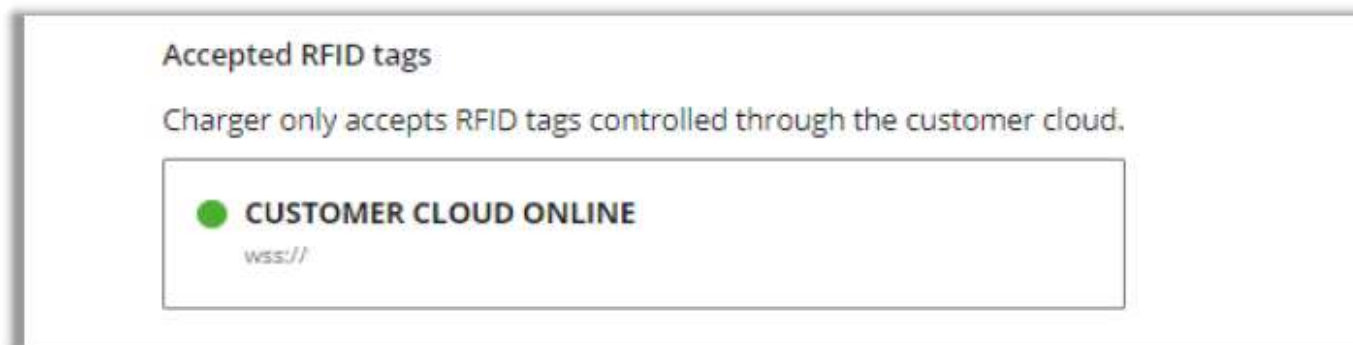
ChargEye Commissioning tool

Performing commissioning

Step 9 – Operator connectivity

In case the charger is connected to 3rd party cloud service, RFID authorization is automatically asked from 3rd party cloud.

Following message will be shown.



<wss://connect.longship.io/e42d233f0093415c920b43b769d310be/>



CHARGE HUB

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