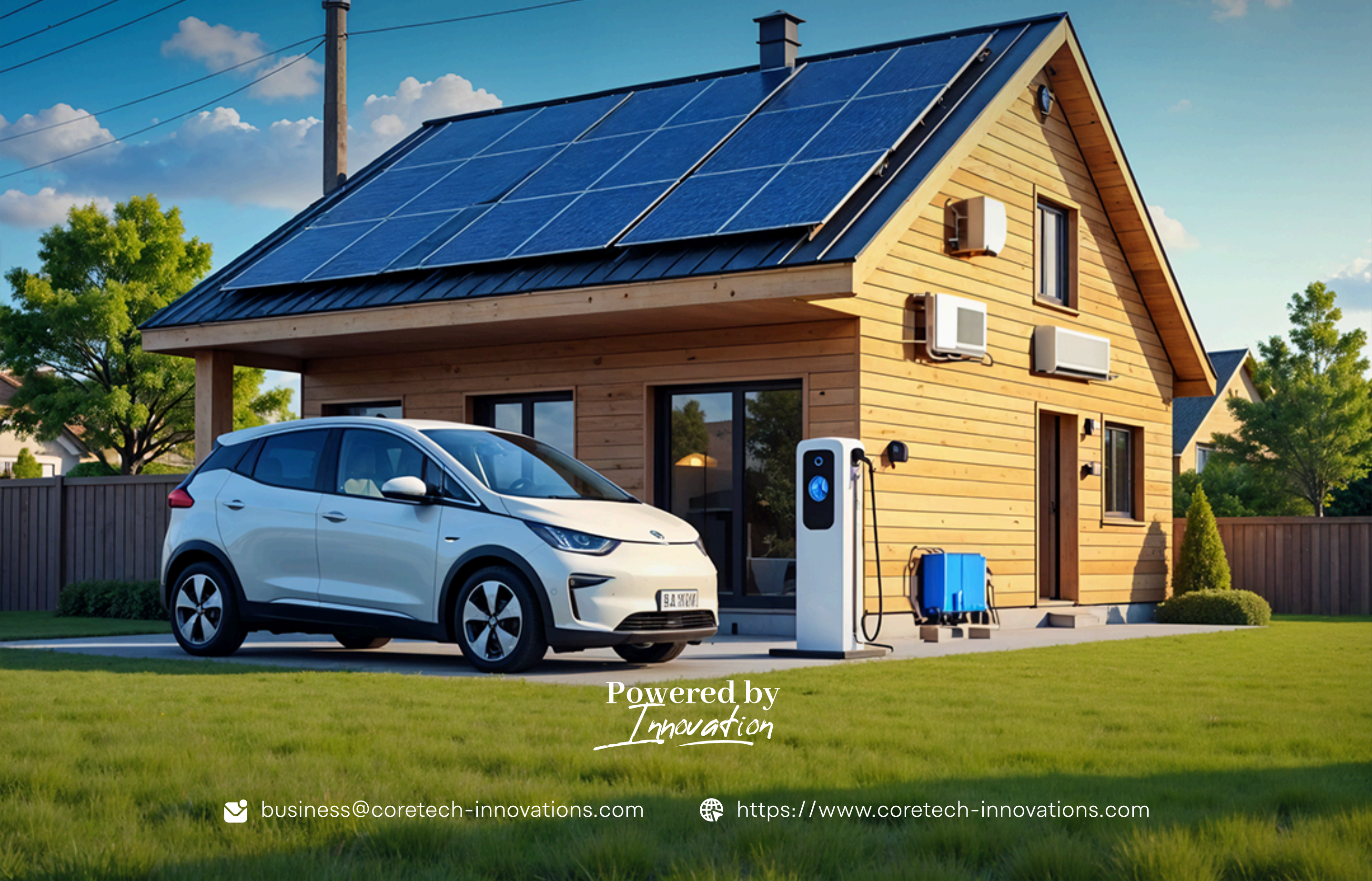


New Features Overview

EEBUS Hub

Release 1.2.0



Powered by
Innovation

Release 1.2.0 Highlights



Support Grid Use
Cases (LPC,LPP,
MGCP and MPC)



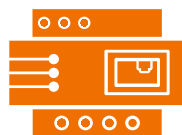
Support Inverter
Integration as Hardware
in the Loop Test Device



EEBUS Device Finder
over Network



EEBUS New Release
Notifier



Updated EEBUS EMS
Control Logic

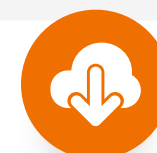



Release EEBUS Hub
Docker Image




Added More Examples
and Demos


Download From Here



 Download for Windows

 Download for Linux

 Download for Mac

 Download Docker

Monitoring of Grid Connection Point	Scenario 1	-	-
	Scenario 2	✓	✓
	Scenario 3	-	-
	Scenario 4	✓	✓
	Scenario 5	✓	✓
	Scenario 6	✓	✓
	Scenario 7	✓	✓
Limitation of power consumption (LPC)	Scenario 1	✓	✓
	Scenario 2	✓	✓
	Scenario 3	✓	✓
	Scenario 4	✓	✓
Limitation of power production (LPP) (EG only)	Scenario 1	✓	✓
	Scenario 2	✓	✓
	Scenario 3	✓	✓
	Scenario 4	✓	✓
Monitoring of power consumption (MPC)	Scenario 1	✓	✓
	Scenario 2	-	-
	Scenario 3	✓	✓
	Scenario 4	-	-
	Scenario 5	-	-

Support Grid Use Cases

LPC

Limitation of Power Consumption

LPP

Limitation of Power Production

MGCP

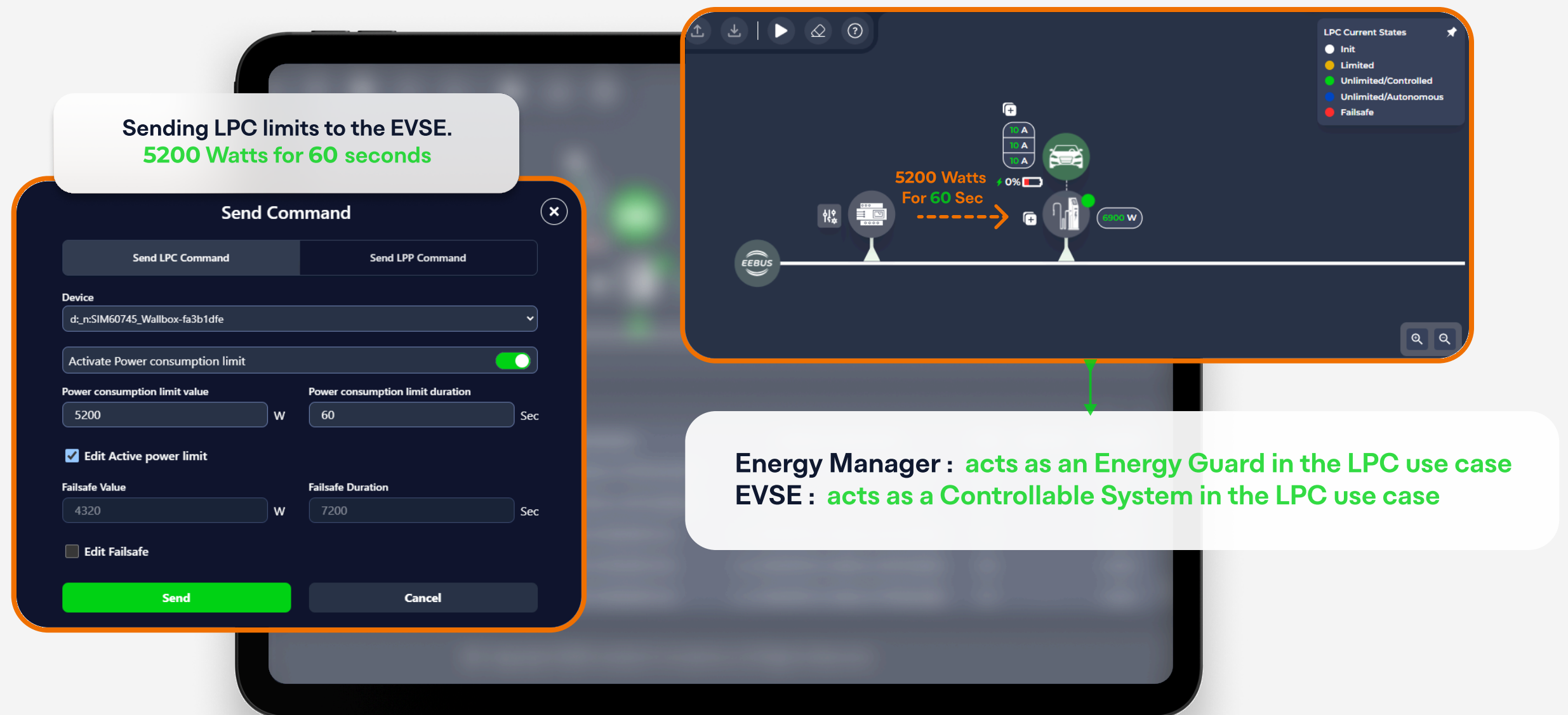
Monitoring of Grid Connection Point

MPC

Monitoring of Power Consumption

Support Grid Use Cases

Limitation of Power Consumption (LPC)



EEBUS-Hub LPC test setup

Supported Scenarios

Control active power
consumption Limit

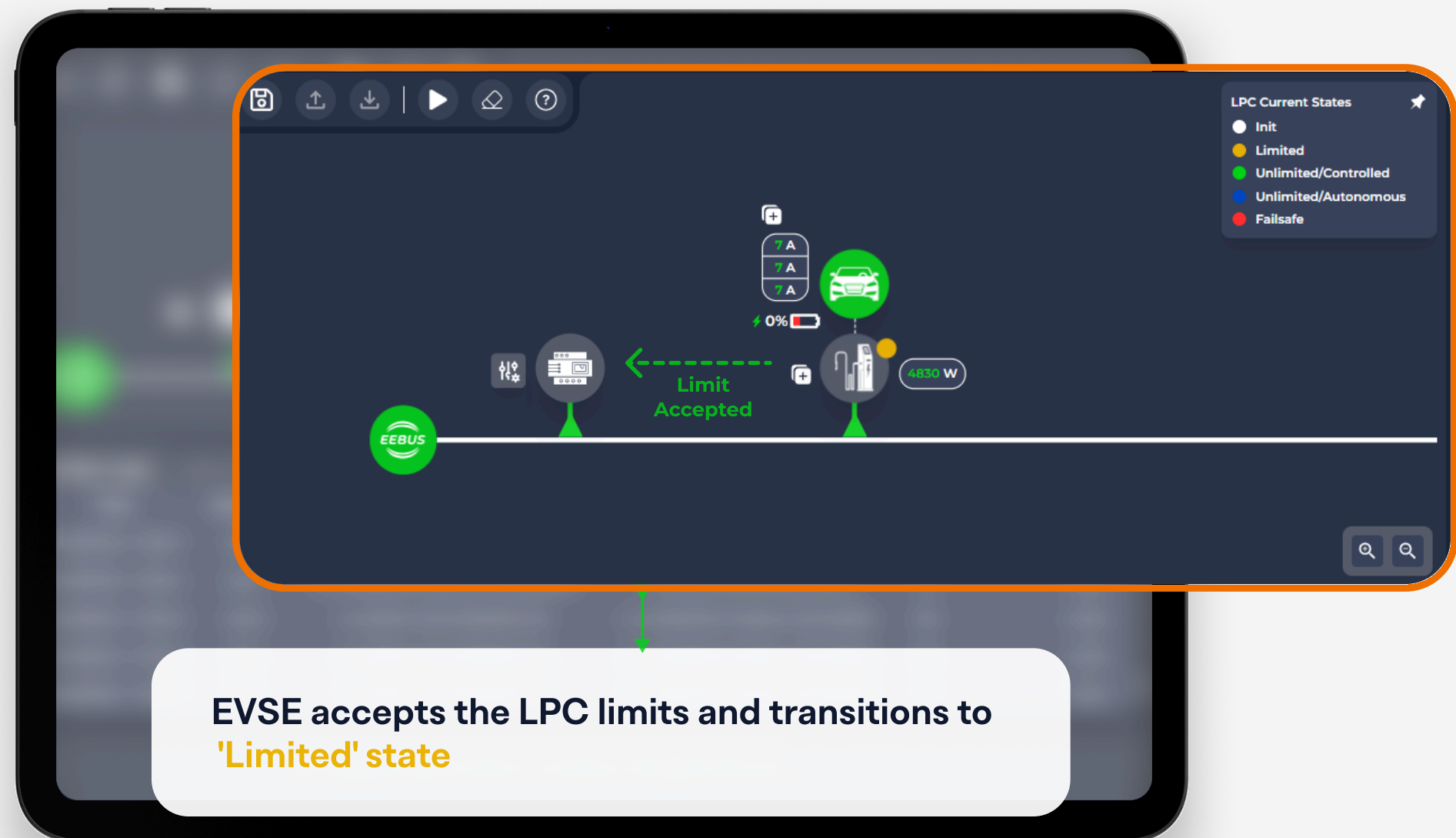
Failsafe
Values

Heartbeat

Constraints

Support Grid Use Cases

Limitation of Power Consumption (LPC)



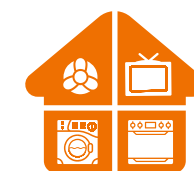
EEBUS-Hub LPC test setup

Supported LPC Devices

Energy Guard



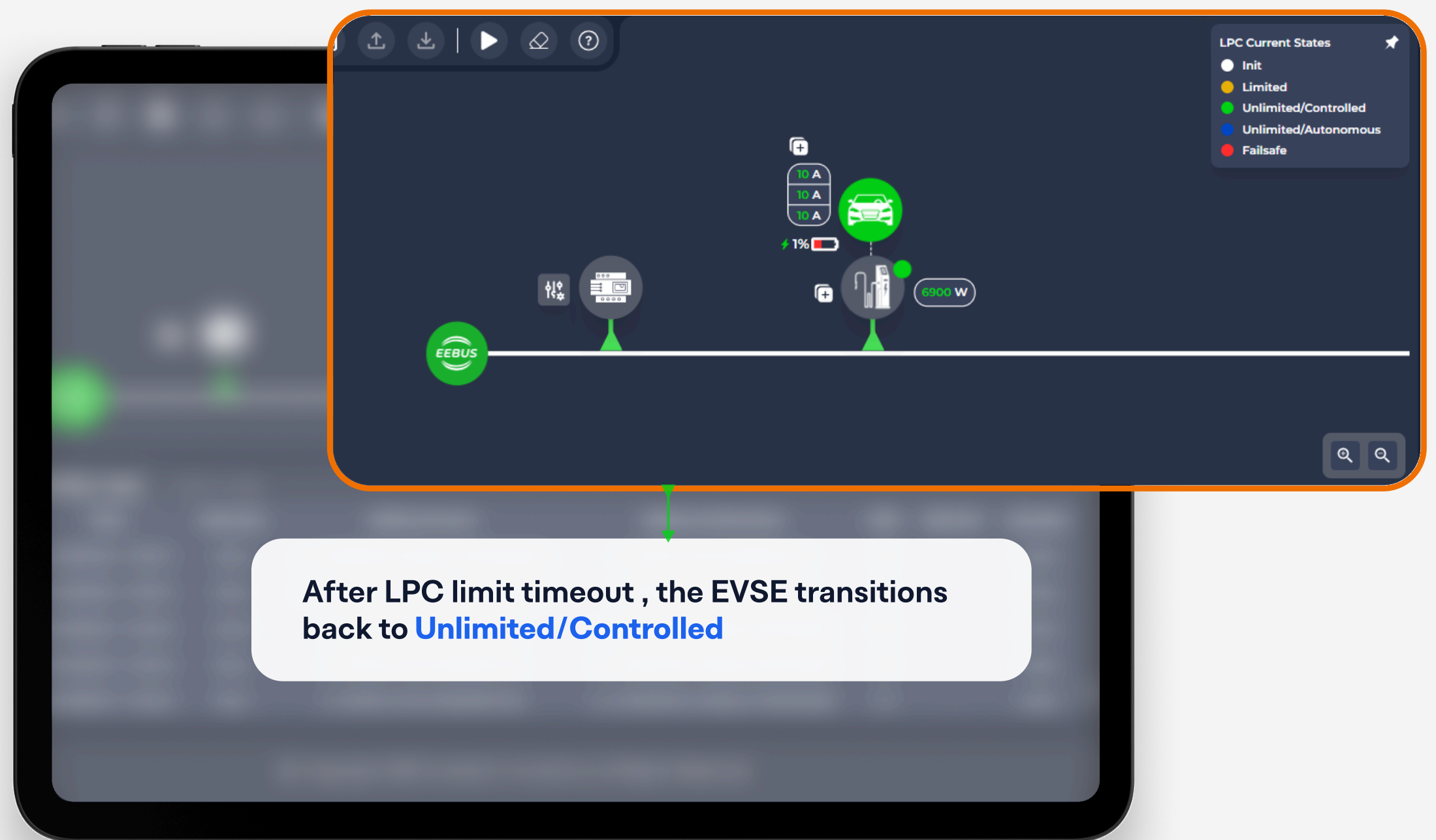
Controllable
System



Showcase of LPC automated testing

Support Grid Use Cases

Limitation of Power Consumption (LPC)



LPC Test Setup

New APIs Overview

Several new APIs to interact with the newly supported use cases.



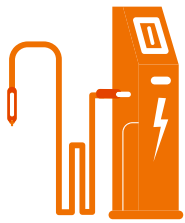
Grid Use Cases APIs example :

- Send LPC command
- Endpoint: ["/cem/ActivePowerConsumptionLimit/:deviceAddress"](#)
- Method: POST
- Purpose: Trigger the Energy Guard to send a specified limit command to a connected controllable system. The route also provides a response indicating whether the controllable system approves or denies the command.

All APIs for the EEBus-Hub is documented and could be found [Here](#).



EEBUS Network Discovery



Pairing the Device

- Select an EVSE to enable the simulated EMS to trust the EVSE's SKI code.
- Initiate the secure pairing process by starting the simulation.



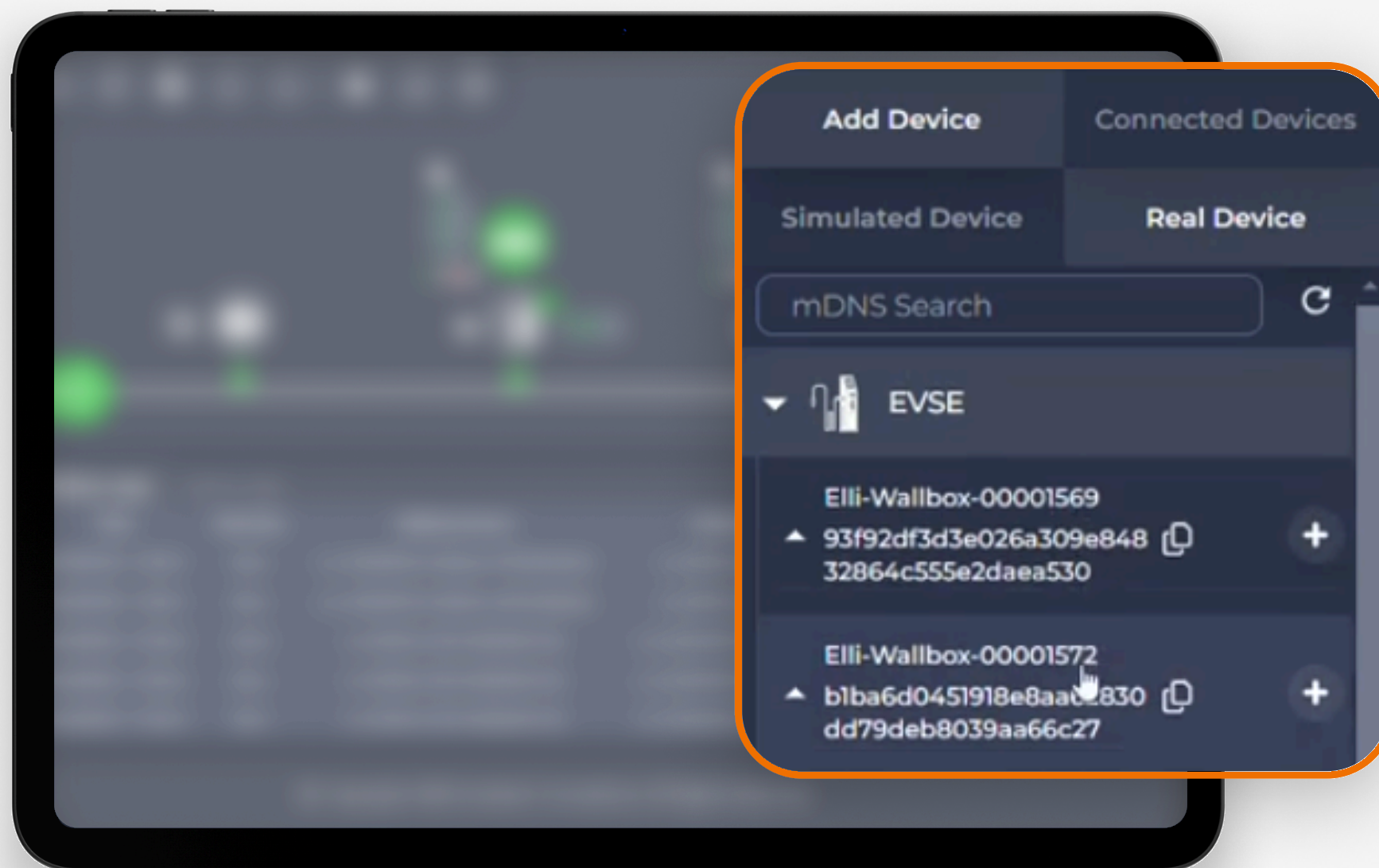
Discovering Devices

Automatically categorize devices found on the local network for intuitive scanning.

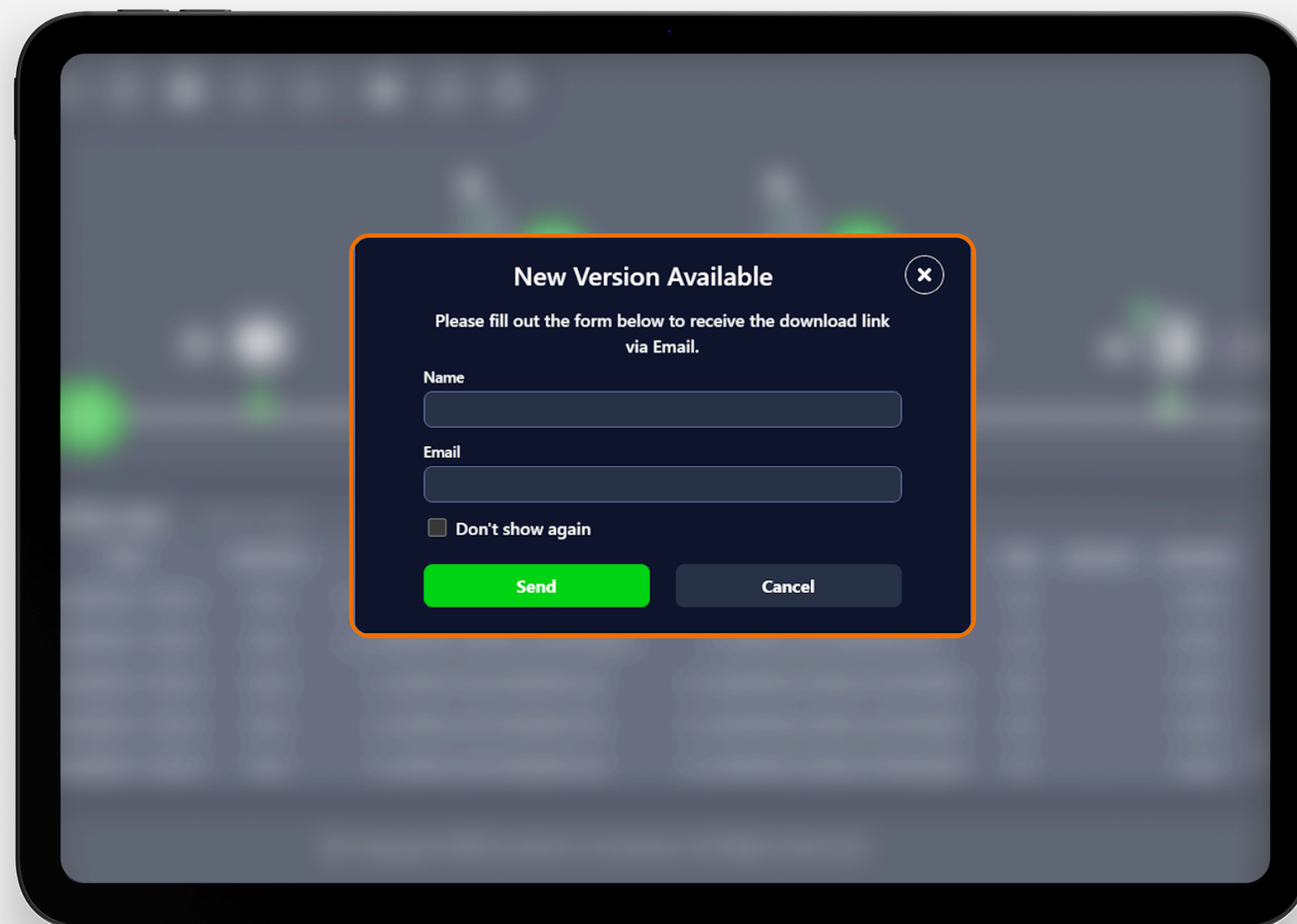


Searching Made Simple

Use the improved filter tool for efficient identification of specific devices.



EEBUS New Release Notifier



New Release Notifier: Always stay up to date with notifications for new releases integrated into the EEBUS-Hub.

Supported EEBUS Use Cases

E-Mobility

Overload Protection
by EV Charging
Curtailment

EVSE Commissioning
and Configuration

EV State
of Charge

EV Comissioning and
Configuration

EV Charging Electricity
Measurement

Grid

Limitation of Power
Consumption

Monitoring of Grid
Connection Point

Limitation of Power
Production

Monitoring of Power
Consumption

- Fully Supported
- Partially Supported

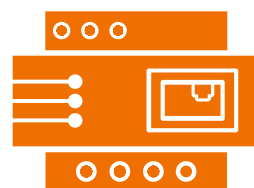
Partially supported use cases will be fully supported in an upcoming release. Additionally, more use cases will be supported as well.

Planned EEBUS Hub Features



Inverter Simulation

Simulate inverters for testing and integration.



HEMS Forwarding- Manual Control

Enable HEMS forwarding and manual control.



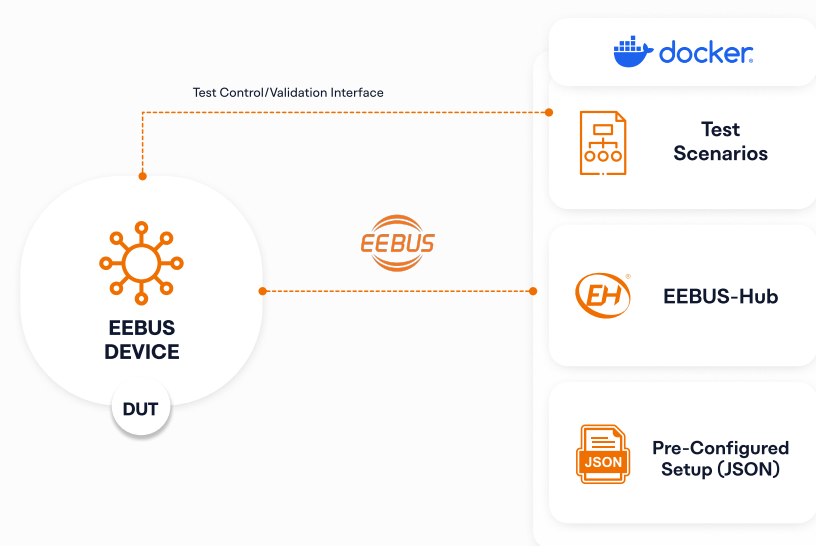
Wireshark Dissector- EEBUS Logs Filtering

Enhanced log filtering and analysis with Wireshark dissector.

**STAY
TUNED!**

More EEBUS Products at Coretech Innovations

EEBUS-Hub Verify 360



EEBUS Core - C

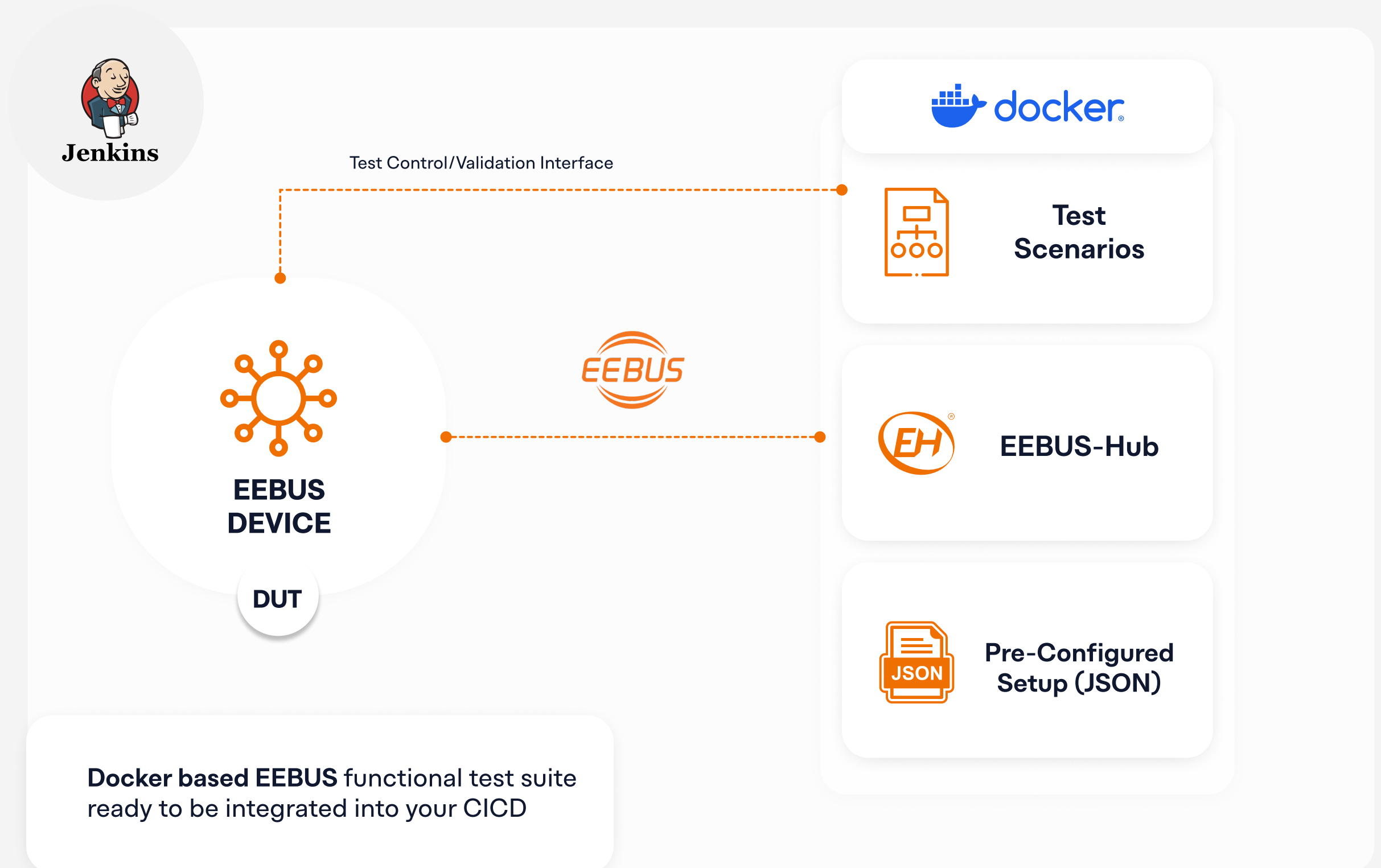
*Coming S2
2025*

EEBUS Test Studio



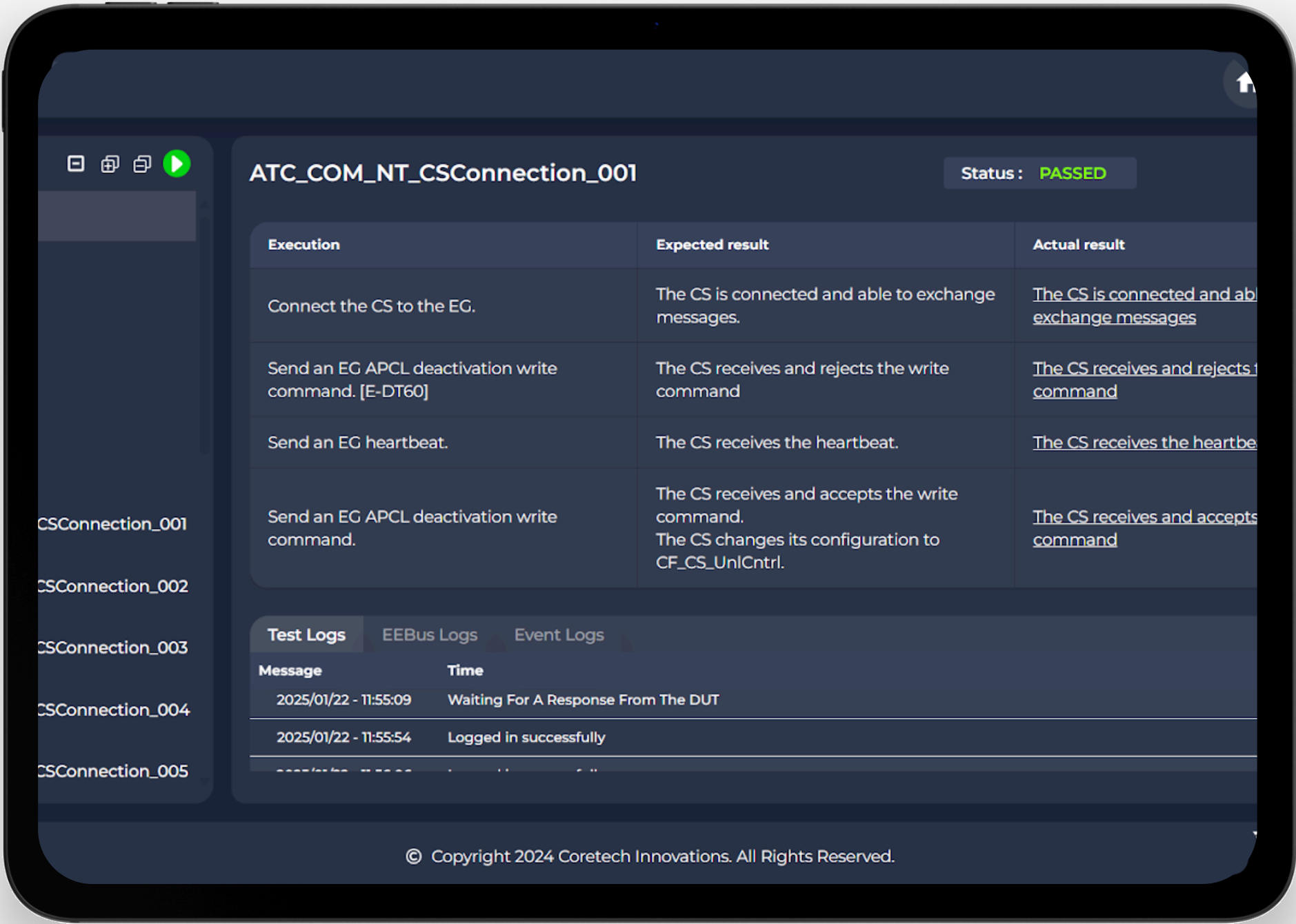
More EEBUS Products at Coretech Innovations

EEBUS-Hub Verify 360



More EEBUS Products at Coretech Innovations

EEBUS Test Studio

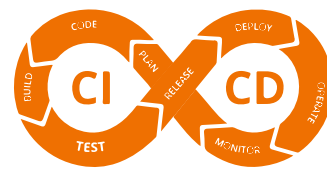


EEBUS Test Studio

How Can We Help You with your EEBUS Product?



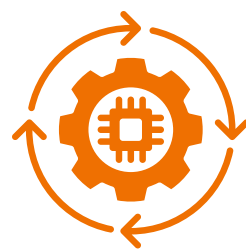
EEBUS Development
(Stack Integration - Application Development)



CI/CD Pipelines
Setup



EEBUS Device
Testing



Tooling &
Automation

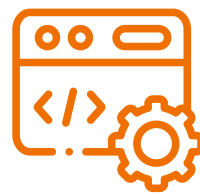


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