

CAREL

NEW boss introduction



Damiano Baldo
February 2026

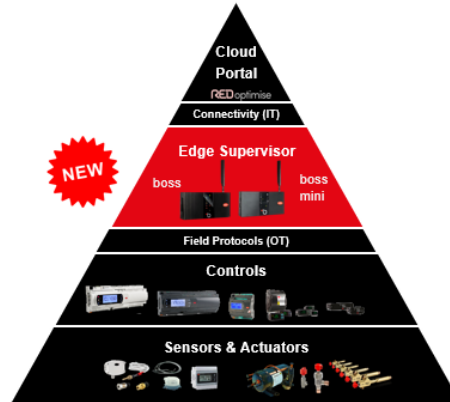
CAREL

THE NEW PRODUCTS

*Your plant's smart vision for
efficiency and sustainability*



New boss



New boss mini

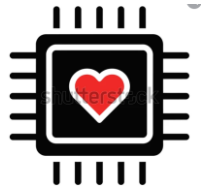
The new **boss** and **boss mini** represent the natural evolution of the previous generation of CAREL supervisors, introducing a more modern and high-performance platform for control and monitoring of HVAC/R systems

MARKET LANDSCAPE

MAIN NEEDS:



Data Integration & Energy Efficiency: Converge all field data into a single architecture to transform isolated assets into a smart, energy-saving ecosystem.

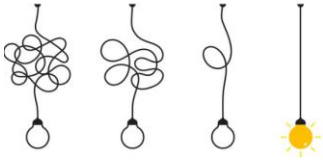


Demand for Centralized, Intuitive Control: Modern facilities require a technological hub capable of unifying complex data into a simple, intuitive software interface for real-time decision making.



Cloud-Edge Synergy: Bridge local control with remote intelligence to ensure operational continuity, advanced diagnostics, and 24/7 remote building management.

MAIN GOALS OF NEW BOSS



- **Simplify Complexity:** Reduce HVAC/R system complexity into one manageable supervisory layer



- **Intelligence:** Transform operational data into insights for optimization and control



- **Interoperability:** Seamlessly connect controllers, field protocols and cloud services



- **Security:** Secure, controlled access compliant with modern cybersecurity regulations

1. HW OVERVIEW

HW COMPARISON WITH OLD ONES 1/2

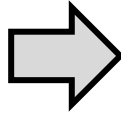
Packaging

Dimension

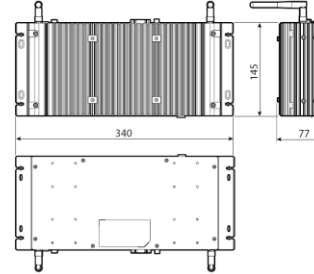
Weight



OLD boss



440*260*230 mm



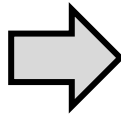
340*145*77 mm



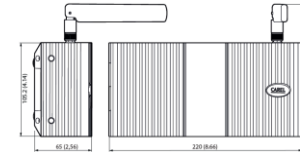
5,4kg



NEW boss



280*250*80 mm



220*105*65 mm



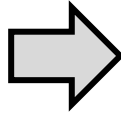
1,0 kg

HW COMPARISON WITH OLD ONES 2/2

Packaging

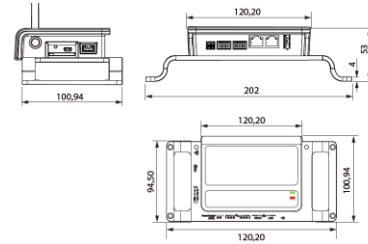
Dimension

Weight



OLD boss mini

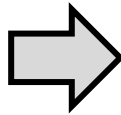
290*250*80 mm



202*100*53 mm

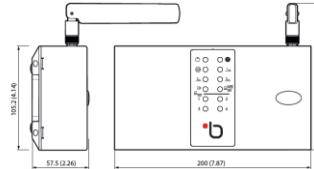


0,6 kg



NEW boss mini

280*250*80 mm



200*105*57 mm



0,6 kg

HW COMPARISON WITH OLD ONES : TIPS

Smaller footprint, bigger impact



Green & Lean: Cut shipping costs and CO2 with smaller, lighter packaging.



Effortless Setup: Compact design makes installing **boss** a breeze.



Perfect Fit: **boss mini** swaps into your existing space - guaranteed.

I/O LIST

I/O list	New boss	boss	New boss-mini	boss-mini
Embedded insulated RS485 ports	6	2	4	1+1 no opto
Led visible on the top	14	NO	12	2
Meterbus port (for reading water/gas meters)	YES	NO	YES	NO
HDMI video output	YES	Display port	YES	Micro HDMI
Wi-Fi hotspot	YES	YES	YES	YES
Factory reset button	YES	NO	YES	NO
Relay on board	3	3	3	NO
Digital input	1	1	1	NO
uSD card slot	YES	YES	YES	YES
USB ports	4	6	4	1

I/O POSITIONING



***Back side : power
and all connections***

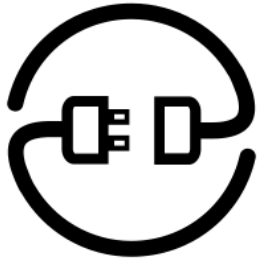


**Front side: uSD, USB
and reset button**



Lateral side : HDMI and USB

I/O LIST : Design & Access



1. Smart Connector Layout

Organized for efficiency: Connectors are grouped by use :

- Rear for permanent wiring
- Side for local UI setup
- and Front for daily checks.

Easy Access: Keep the main cables out of sight while keeping USB and Reset ports right at your fingertips.

I/O LIST : Connectivity



2. Built-in Connectivity

Ready to Connect: Integrated **HDMI** and **Wi-Fi Hotspot** on all models. No more hunting for adapters to access the supervisor locally.

Instant Monitoring: Connect directly to any standard monitor or via wireless - anytime, anywhere.

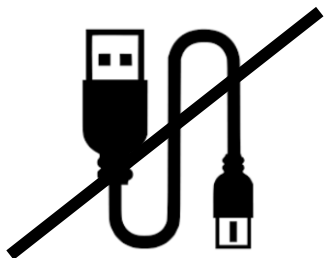


3. Faster Field Replacement

Consistent Wiring: Extractable terminals match previous **boss/boss mini** models for a 1:1, hassle-free swap.

Legacy Ready: Only older VGA monitors might need a simple adapter; everything else is "Plug & Play."

I/O LIST : Performance & Integration 1/2



4. High-Performance Serial Ports

More Lines, Less Hardware: Up to **6 optoisolated RS485 ports** built-in. No external USB converters needed.

Optimized Polling: More serial lines mean faster data reading and simplified troubleshooting.

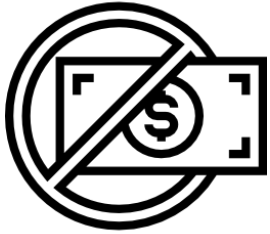
5. All-in-One Energy Monitoring

Native M-Bus: Monitor water and gas meters directly through the integrated port.

Cost Effective: Save on expensive external gateways and reduce installation time.



I/O LIST : Performance & Integration 2/2



6. Integrated Relays

No Extras Needed: **boss mini** now features on-board relays just like the full-size version.

Simplified Setup: Eliminate the cost and space of optional relay modules

FRONTAL LED's

Immediate and fast knowing of status system through LED display



Fourteen LEDs intuitively display the status of the running software and all I/O operations, making it easy to see what's happening at a glance:

- Power LED
- Plant status LED
- SW engine status
- Digital outputs & input LED's
- Meter bus port LED
- RS485 ports LED's

FAST LOCAL SW RECOVERING

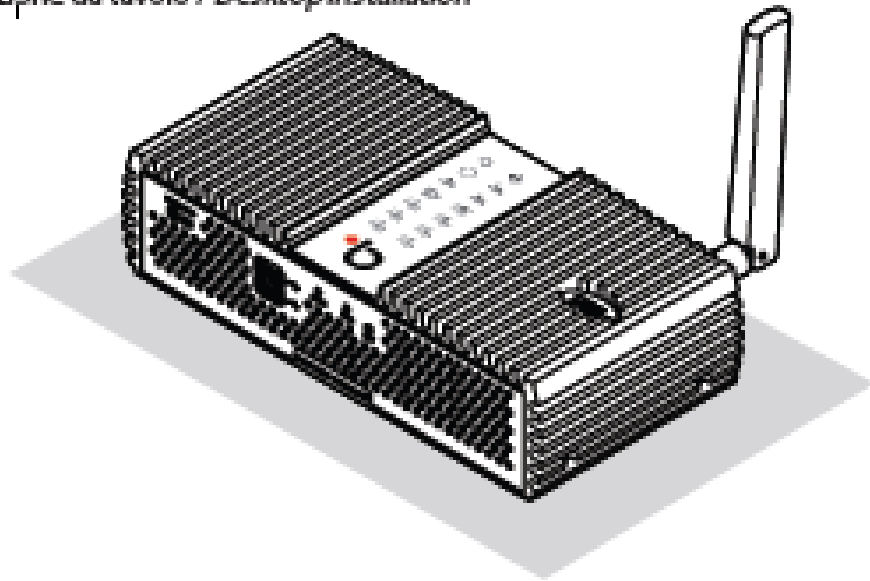
SW reset to recover units without CAREL HQ help thanks to:



A factory reset button that, via a specific press-and-release sequence, **returns the unit to its 'out-of-the-box' state**

FAST AND EASY INSTALLATION FOR ALL APPLICATIONS 1/3

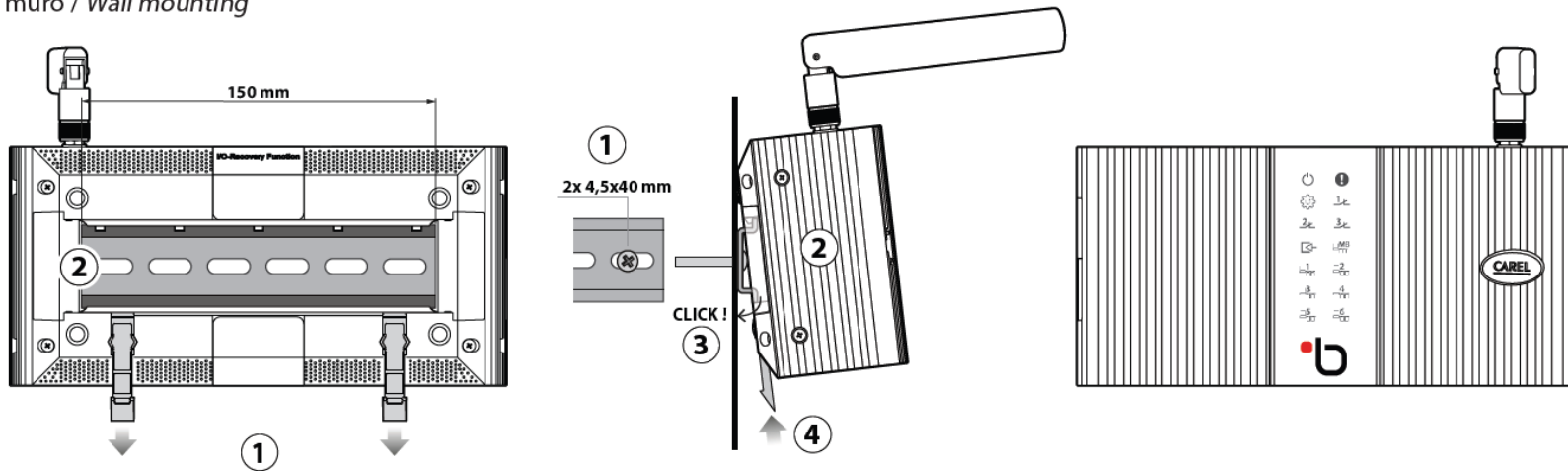
Installazione da tavolo / Desktop installation



Wall,
desktop,
DIN-Rail,
installations without any
additional accessory

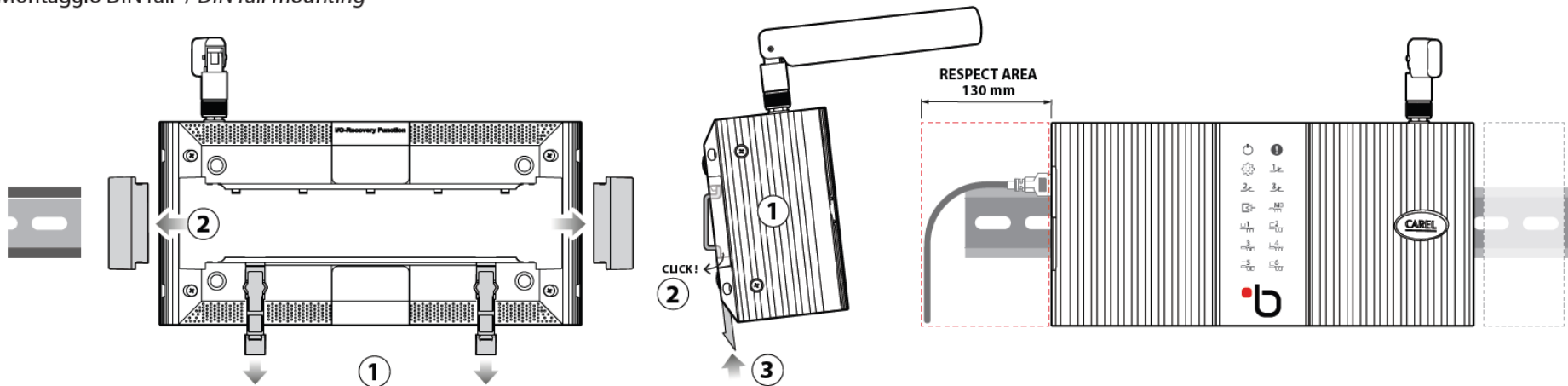
FAST AND EASY INSTALLATION FOR ALL APPLICATIONS 2/3

Montaggio a muro / Wall mounting



FAST AND EASY INSTALLATION FOR ALL APPLICATIONS 3/3

Montaggio DIN rail / DIN rail mounting



ACCESSORIES : 4G MODEM

Optional 4G Connectivity: If it's needed Internet in case wired one is not available, or send SMS, just add the **USB Modem** (P/N: **BMHST4GA00**).

Plug & Play: Powered and configured directly through the boss interface.

Proven Reliability: Same trusted modem used for previous generations.

Note: Data SIM not included (customer-provided).



CERTIFICATIONS

	EMEA	Australia	North America	China	Russia*
	EN/IEC - RED	RCM	UL-FCC	CCC-SRRC	EAC
New boss	Yes	Yes	Apr 26	Apr 26	*
New boss mini	Yes	Yes	Apr 26	Apr 26	*

(*): Subject to the restrictions in force for the Russian market, the product will comply with standards but not be certifiable until the geopolitical situation allows access to certification laboratories.



HACCP : boss and boss mini will be HACCP certified by 2026.

EVERYTHING YOU NEED, RIGHT IN THE BOX



All-in-one package:

No extra accessories required.

Both boss and boss mini now come with the power supply included.

2. New P/N's list & boss range

NEW P/N LIST FOR BOSS MINI (and corresponding old boss mini)

Category	Codes	Description	Corresponding Old Codes	Description
	NEW boss mini (with power supply)		boss mini (without power supply)	
HW 50 dev	BNEST00XS0	NEW boss mini - 50 devices - 0 credit	BMEST00LE0	boss mini - 50 devices - 0 credit
	BNEST06XS0	NEW boss mini - 50 devices - 6 credits	BMEST03LE0	boss mini - 50 devices - 3 credit
	BNEST20XS0	NEW boss mini - 50 devices - 20 credits		
Credits boss mini	BNEST01P00	1 credit for NEW boss mini	BMEST01P00	1 credit for boss mini
	BNEST06P00	6 credits for NEW boss mini	BMEST03P00	3 credits for boss mini
	BNEST20P00	20 credits for NEW boss mini		

HW “Conversion rules”:

BMEST... → BNEST...

Embedded credits “Conversion rules”:

BMEST00... → BNEST00...

BMEST03... → BNEST06...

BNEST20... is NEW!

NEW P/N LIST FOR BOSS (and corresponding old boss)

Category	Codes	Description	Corresponding Codes	Description
	NEW boss (with power supply)		boss (with power supply)	
HW 100 dev	BNHST00XS0	NEW boss - 100 devices - 0 credit	BMHST00XS0	boss - 100 devices - 0 credit
	BNHST06XS0	NEW boss - 100 devices - 6 credits	BMHST03XS0	boss - 100 devices - 3 credit
	BNHST20XS0	NEW boss - 100 devices - 20 credits	BMHST09XS0	boss - 100 devices - 9 credit
HW 300 dev	BNHST00XE0	NEW boss - 300 devices - 0 credit	BMHST00XE0	boss - 300 devices - 0 credit
	BNHST06XE0	NEW boss - 300 devices - 6 credits	BMHST03XE0	boss - 300 devices - 3 credit
	BNHST20XE0	NEW boss - 300 devices - 20 credits	BMHST09XE0	boss - 300 devices - 9 credit
Credits boss	BNHST01P00	1 credit for NEW boss	BMHST01P00	1 credit for boss
	BNHST06P00	6 credits for NEW boss	BMHST03P00	3 credits for boss
	BNHST20P00	20 credits for NEW boss	BMHST09P00	9 credits for boss

HW “Conversion rules”:

BMHST... → BNHST...

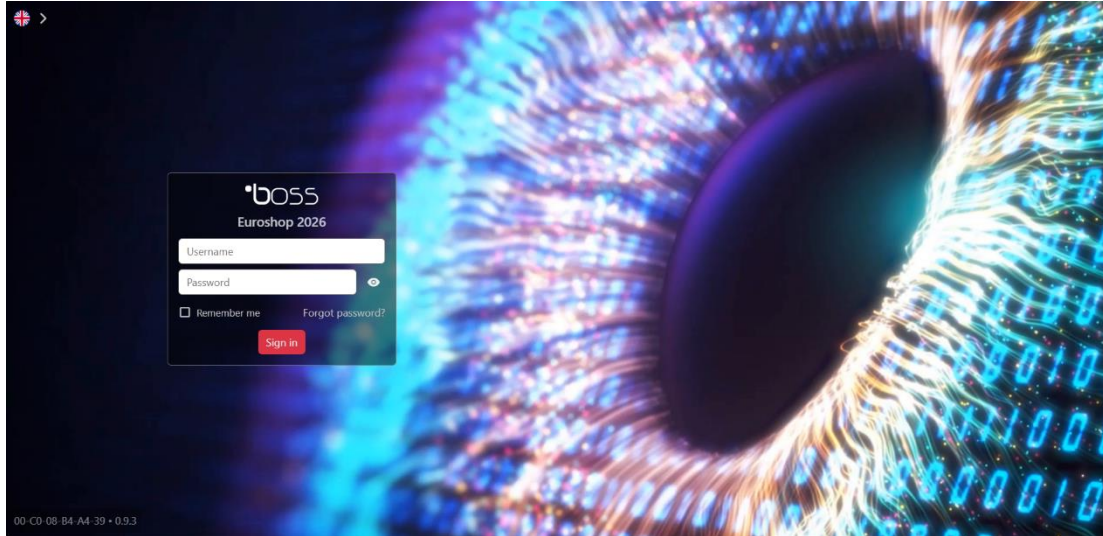
Embedded credits “Conversion rules”:

BMHST00... → BNHST00...

BMHST03... → BNHST06...

BMHST09... → BNHST20...

NEW SOFTWARE - bCore 2.0



bCore 2.0 is the new SW that runs on new boss & boss mini.

It simplifies user experience, optimizes maintenance, and ensures high cybersecurity standards through a streamlined interface.

NEW BOSS RANGE

During 2026 and 2027, the boss family will utilize two different software platforms: **entry-level models** (up to 30 devices) will feature the current software, while **high-end models** will be equipped with the new b.Core 2.0. The roadmap includes bringing b.Core 2.0 to the entry-level range (boss one and boss micro) as well, enabling these devices to benefit from the platform's latest features and enhanced capabilities



boss SW



boss one:
1 device



boss micro:
Up to 30 devices



bCore 2.0 SW



NEW boss mini:
Up to 50 (60) devices



NEW boss :
Up to 300 (350) devices

BOSS RANGE AVAILABILTY



boss one:
1 device



boss micro:
Up to 30
devices

AVAILABLE



boss mini :
Up to 50
devices



boss :
Up to 300
devices

AVAILABLE
FOR ALL
2026 WITH
LBO JUN 26
LSD DEC 26

AVAILABLE FROM
APR 2026 IN
CONTROLLED
STATUS

AVAILABLE FROM
JUL 26 WITHOUT
RESTRICTIONS



NEW boss mini:
Up to 50 (60 *)
devices



NEW boss :
Up to 300 (350 *)
devices

*: (the devices limit between brackets will be explained in session 2)

3. SW overview & main new features – bCore 2.0

bCore 2.0 – MAIN CONCEPTS

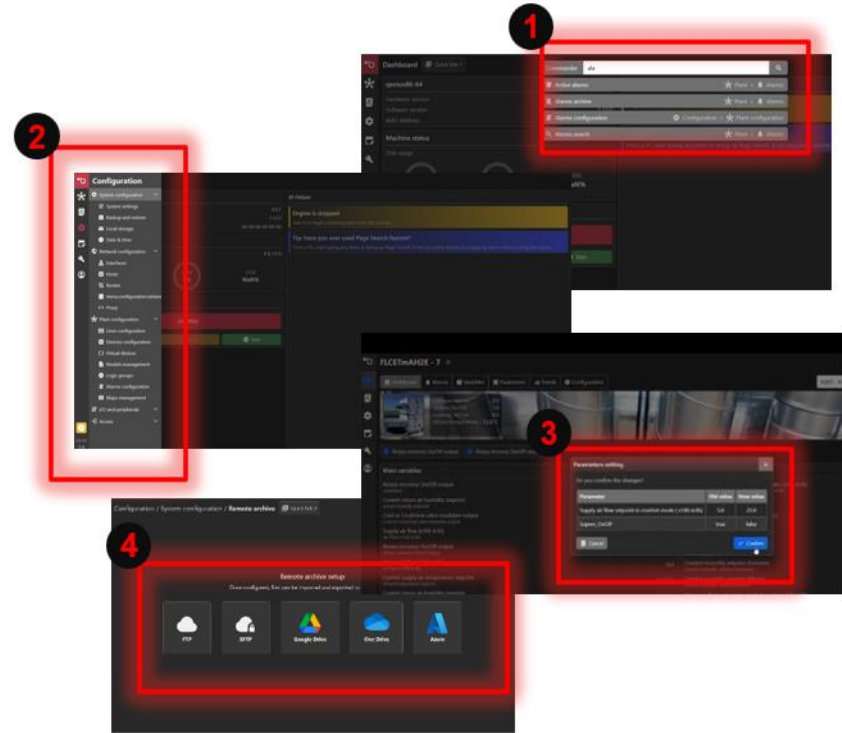
Better User Experience

Search bar, bookmarks and notifications (1)

Immediate access to functions, objects and alarms, with quick search functions, favorites and contextual notifications based on the principle of progressive disclosure.

Dynamic menu (no tabs) (2)

Adaptive navigation that evolves according to the context and user's role, eliminating the rigidity of tabs and reducing cognitive load.



bCore 2.0 – MAIN CONCEPTS

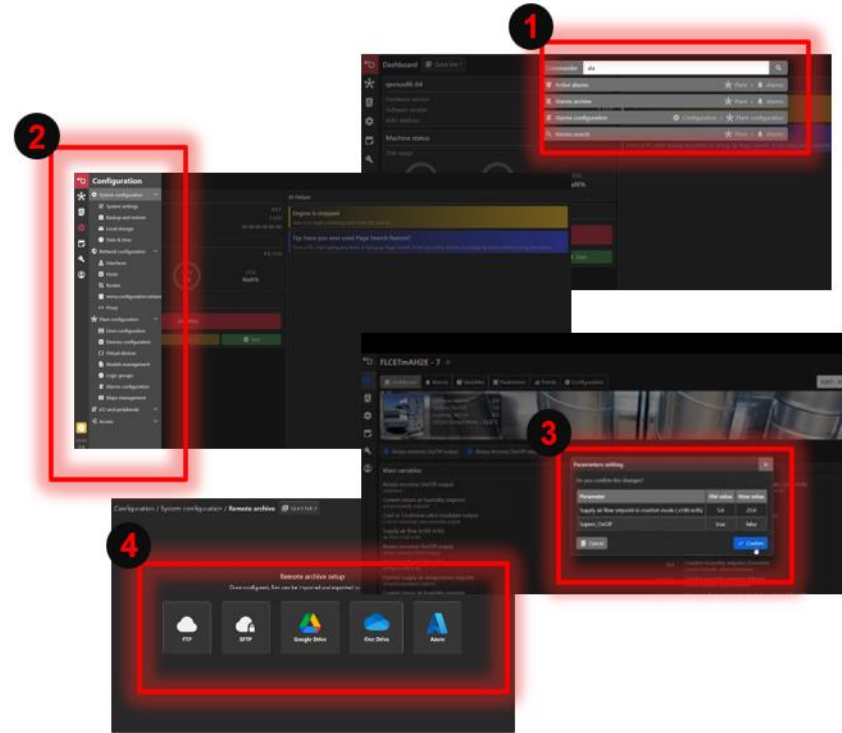
Better User Experience

Floating actions and intelligent dialogues (3)

Commands that are always available at the right point in the operational flow, with guided dialogues that simplify frequent operations and reduce errors.

Smart Wizards (4)

Smart Wizards simplify setup by guiding users step-by-step through the configuration and use of the supervisor

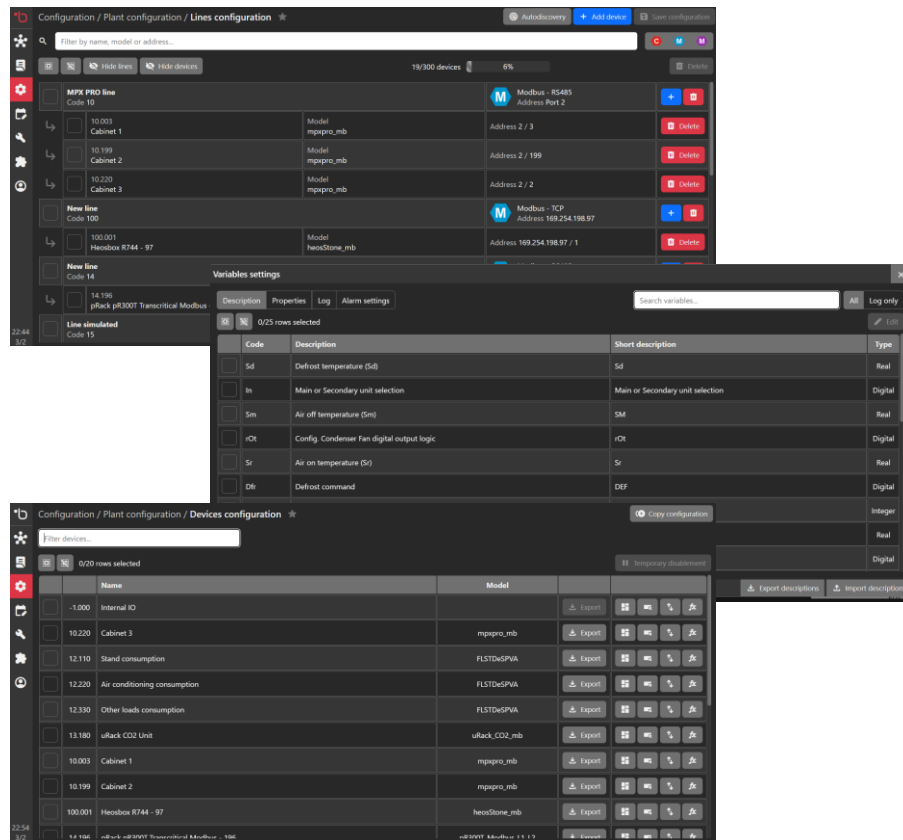


bCore 2.0 – LINE & DEVICE CONFIGURATION

Device-Centric Configuration: The setup process now starts with the device itself, with its line assignment treated as an attribute rather than a prerequisite.

Intuitive Device Customization: A redesigned interface allows for faster and more intuitive personalization of individual device settings.

Enhanced "Copy & Paste" Functionality: New bulk-copy features between devices significantly accelerate the initial commissioning and configuration phase.



bCore 2.0 – NO CODE RULE ENGINE

The **Rule Engine** features a code-free graphic interface to build logic via predefined conditions, streamlining configuration and long-term maintenance.

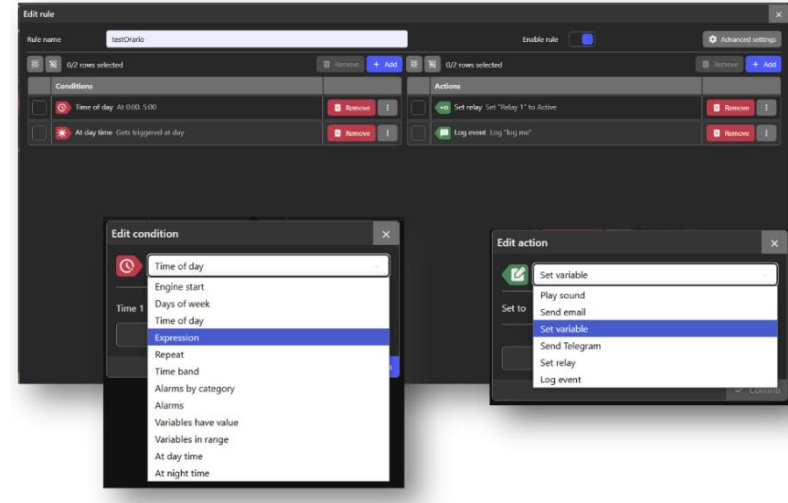
It unifies alarms and schedules into a single feature, enabling users to trigger actions based on both alarm conditions and events through a **consistent workflow**

No Coding: Uses intuitive lists for conditions and actions.

Versatile: Manages everything from I/Os and notifications to energy-based load control.

Efficiency: The guided setup ensures the logic remains readable and easy to update.

Flexibility: The conditions can be a formula (written with the same syntax of computed variables)



bCore 2.0 – EMBEDDED MAPS EDITOR

Thanks to the **NEW integrated Map Editor**, boss allows users to create and customize system maps and supervisor pages directly from the device, in a guided manner and without development skills.

The basic graphic customizations can be extended, for more advanced needs, using the **CAREL c.web tool**, thus ensuring project continuity.

Note: Embedded editor maps cannot be imported into c.web (different map formats).



bCore 2.0 – NEW ENERGY PLUG-IN

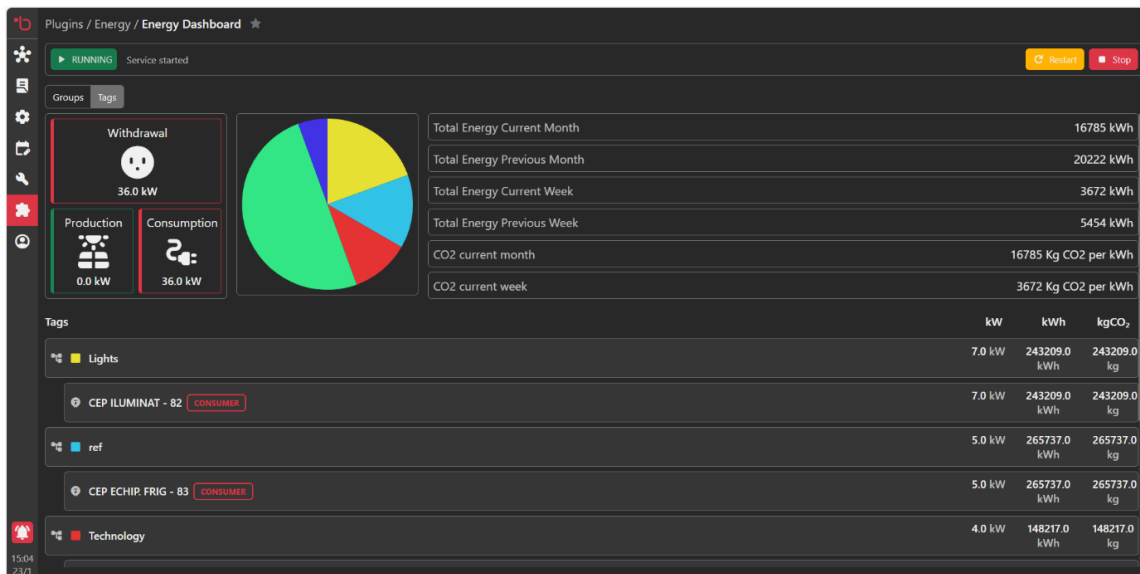
The **NEW Energy plug-in** combining consumption and production in a single structured view. Compared with the present one it adds:

System energy hierarchy

Consumption displayed on system topology multilevel (e.g. global refrigeration, MT, LT and other units)

Tags: functional labels to identify consumption by categories

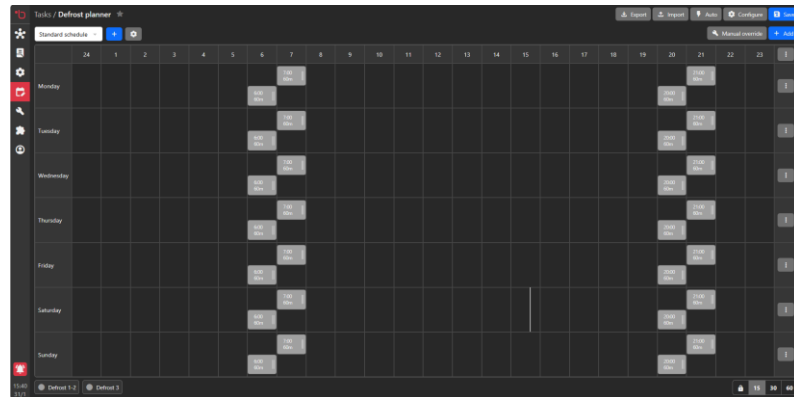
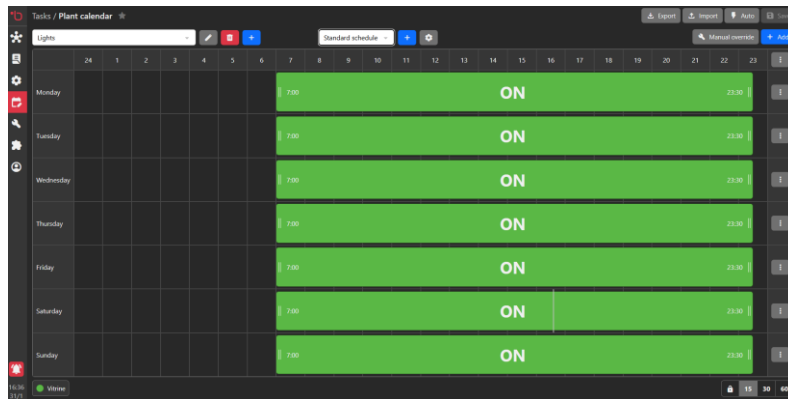
Energy production (e.g. photovoltaic) to enable optimisation logic based on self-consumption through calculated rules and variables.



bCore 2.0 – NEW PLANT CALENDAR & DEFROST PLANNER

The configuration of **boss**-managed defrosting has been moved from the 'plant calendar' to a new dedicated section called '**defrost planner**'.

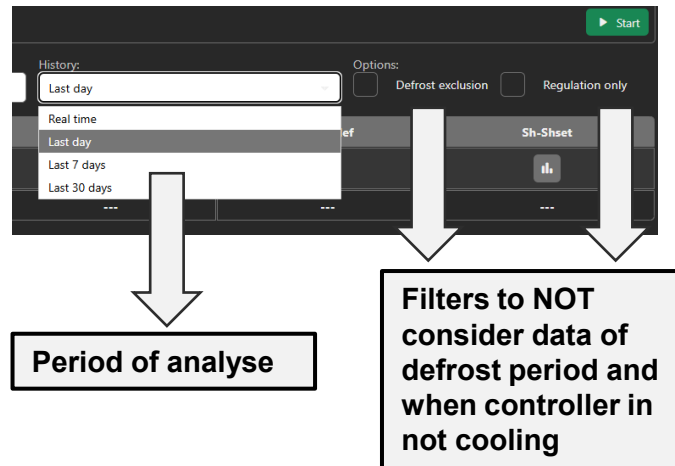
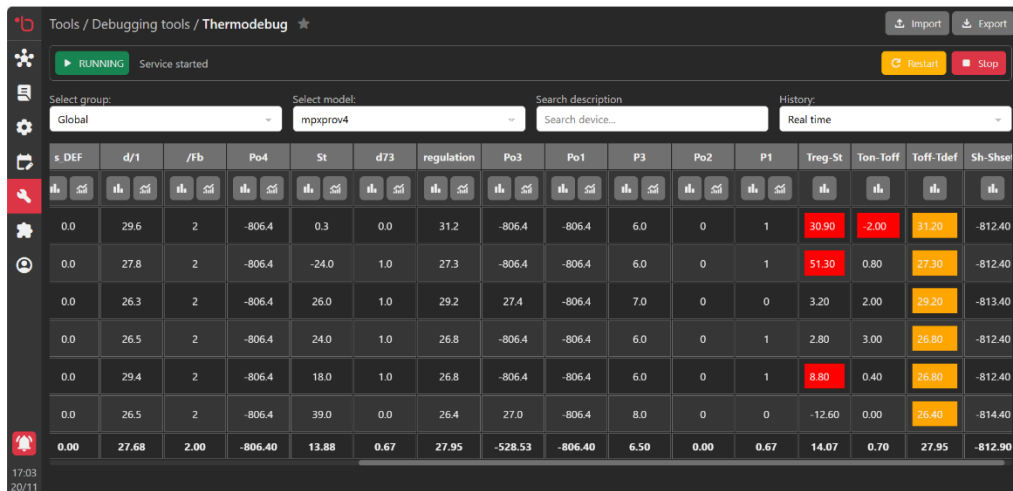
This update streamlines the plant calendar by removing device-specific functions and, at the same time, optimizes operations by providing an interface focused exclusively on defrost requirements.



bCore 2.0 – NEW THERMODEBUG TOOL

The **NEW boss** advances thermal debugging by combining real-time cabinet monitoring with historical data and intelligent filtering.

This approach provides a more accurate reflection of actual operations over time, delivering highly reliable diagnostics and preventing misinterpretation of transient data



bCore 2.0 – AUTODISCOVERY EMPOWERED

A powerful **auto-discovery tool** has been introduced for identifying devices on Modbus RTU, Modbus IP, Canel BACnet IP, and M-Bus networks.

A **step-by-step wizard** guides the user through the process, prompting for specific parameters based on the selected protocol to streamline device detection.

The diagram illustrates the autodiscovery wizard process in three steps:

- Select the protocol:** The user chooses a protocol from four options: Modbus RTU, Modbus TCP, Canel, and MeterBus. Arrows indicate the flow to the next steps.
- Select line settings:** The user configures the following parameters:
 - COM port: Port 1
 - Speed: 19200
 - First address: 1
 - Last address: 35
 - Read timeout: 3 Sec
- Select range:** The user configures the following parameters:
 - Gateway: ☐
 - First address: 169.254.1.0
 - Last address: 169.254.1.254
 - Read timeout: 3 Sec

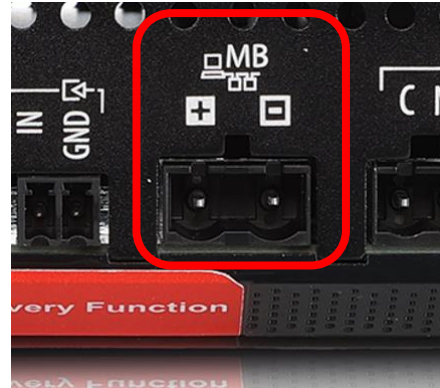
The final step shows the **Autodiscovery wizard - Results** window, displaying a table of detected devices:

	Address	Name	Model	
☐	1	Cabinet 4 consumption fwVersion: 0, appVersion: 0.0.0	FLSTDeSPVA This device already exists in the line and it's based on this model.	Select model Fetch model
☐	2	Cabinet 5 consumption fwVersion: 0, appVersion: 0.0.0	FLSTDeSPVA This device already exists in the line and it's based on this model.	Select model Fetch model
☐	3	Cabinet 6 consumption fwVersion: 0, appVersion: 0.0.0	FLSTDeSPVA This device already exists in the line and it's based on this model.	Select model Fetch model

NEW PROTOCOL – METER BUS

boss and **boss mini** natively integrate the **M-Bus** protocol , with a dedicated port, for the direct connection **up to 9** of electricity, gas, and water meters that communicate **via** this protocol.

The **autodiscovery** feature ensures correct reading of device variables and significantly reduces commissioning times

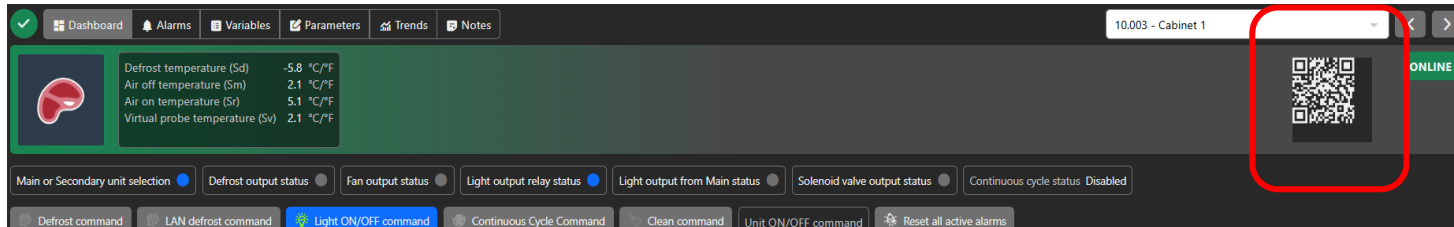


bCore 2.0 – ADDITIONAL PLUS 1/2

Functional Icons: Users can now choose to display icons representing the HVAC/R unit's function instead of the hardware device image.



Dynamic Documentation: A QR code can be added to the device page, providing a direct link to specific documentation and manuals for that unit.



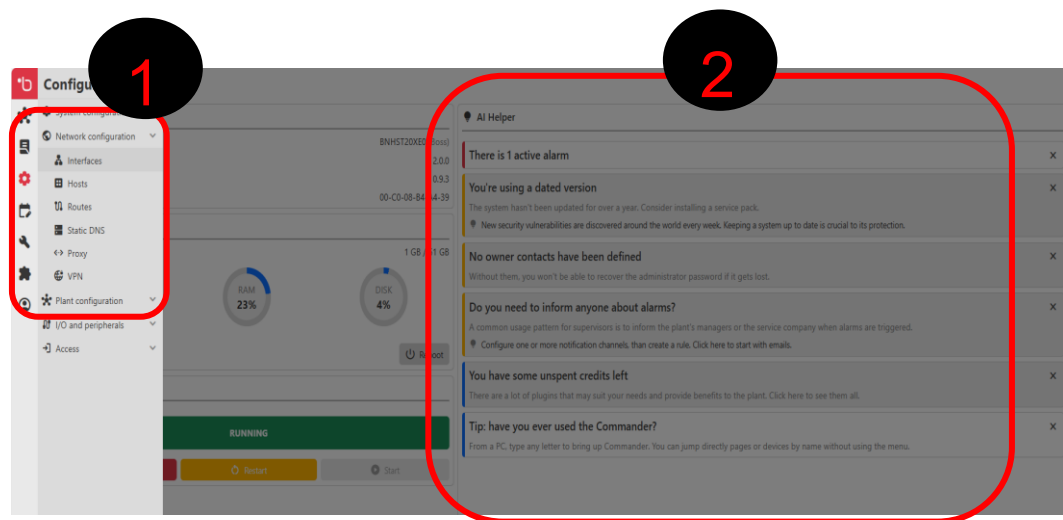
bCore 2.0 – ADDITIONAL PLUS 2/2

Unified Webserver (1): The previous separate webserver (Administrator and Application) have been merged into a **single interface**. All settings can now be managed via port 443.

Status Helper (2): A new **guided helper** has been introduced to help users better interpret and monitor the overall plant status.

UI Customization: Support for both **Dark and Light themes** to improve visibility and user preference.

Automatic Updates: (Carried over from the previous version) When connected to the internet, the system **automatically downloads updates** and notifies the user when they are ready for installation.

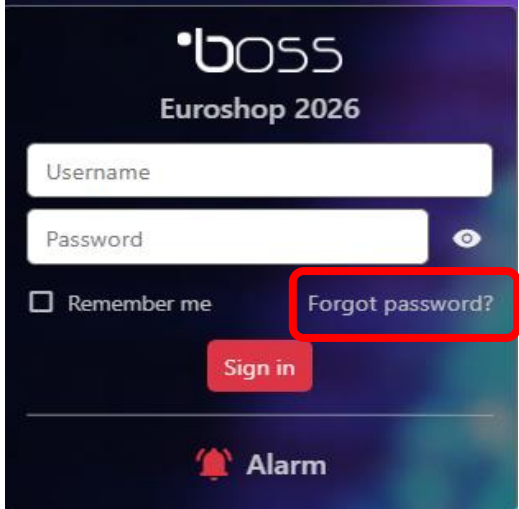


bCore 2.0 – PASSWORD RECOVER

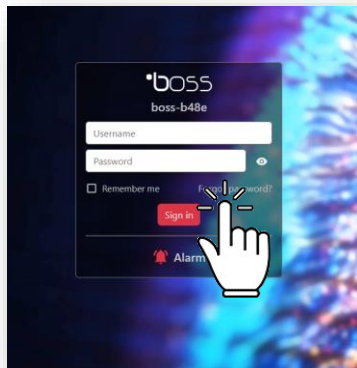
User Self-Service: Users can now independently recover forgotten passwords, eliminating the need for technical support intervention.

Physical Access Security: For enhanced security, the recovery process must be performed locally; users are required to enter a unique "secure code" found on the product label to verify physical access to the device.

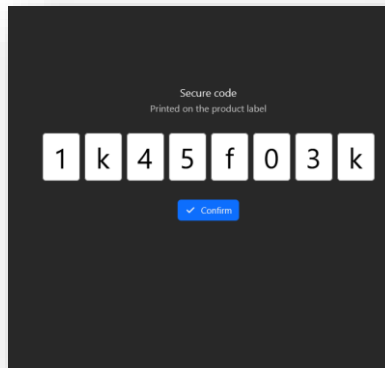
OTP Verification: To enable this feature, a mandatory email address must be configured. This address will receive the One-Time Password (OTP) required to reset and create a new password.

A screenshot of the bCore 2.0 login interface. The background is dark blue with a subtle pattern. At the top, the 'boss' logo is displayed in white, followed by 'Euroshop 2026' in a smaller white font. Below this are two white input fields: 'Username' and 'Password'. To the right of the 'Password' field is a small eye icon. Below the input fields is a checkbox labeled 'Remember me'. To the right of the checkbox is a red button labeled 'Forgot password?'. Below these elements is a red button labeled 'Sign in'. At the bottom of the screen, there is a red bell icon followed by the word 'Alarm' in white.

bCore 2.0 – PASSWORD RECOVER



Click on “forgot password”

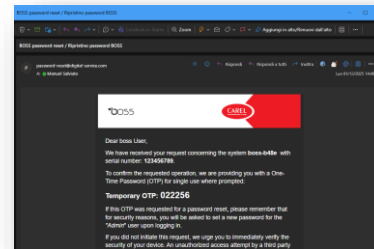
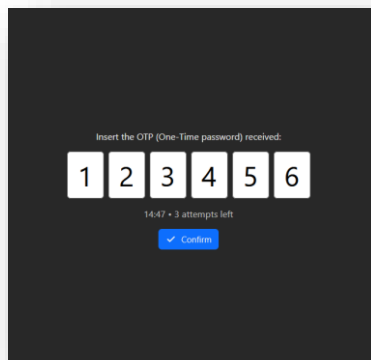


Enter the secure code printed on product label



Scan the QR code show on screen (when boss is not connected)

Enter the OTP code and change the admin password



You receive an email with the OTP code

bCore 2.0 – CLIENT PROTOCOLS



Modbus RTU and IP protocol



SNMP protocol



BACnet IP protocol



Meter bus protocol



CAREL protocol



Others will come...

bCore 2.0 - SERVER PROTOCOLS



Modbus RTU and IP protocol



SNMP protocol



BACnet IP protocol



HTTPS protocol

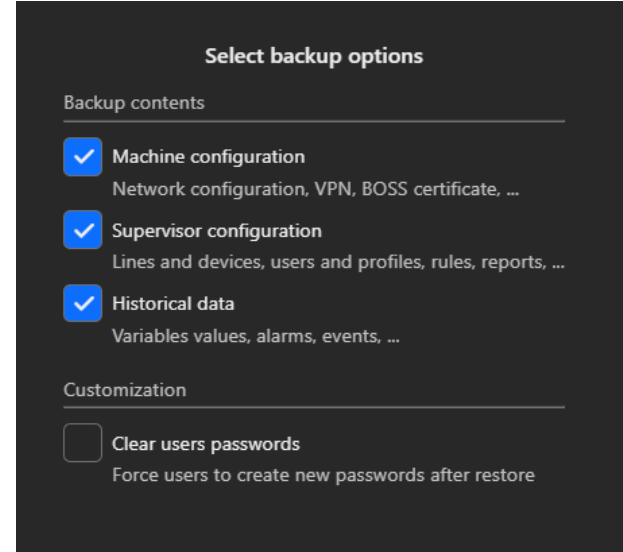
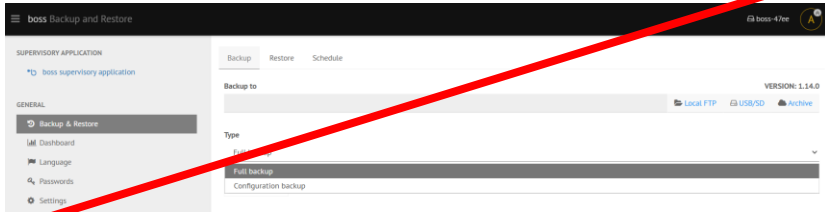
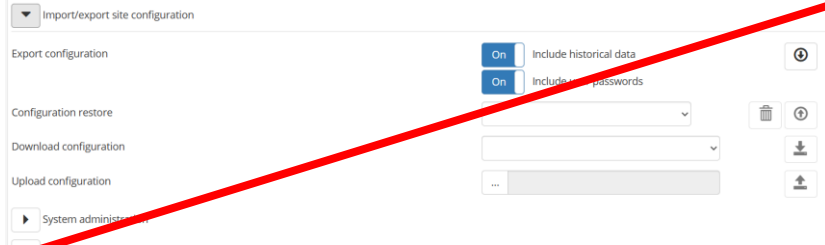


MQTT protocol



Others will come...

BACKUP MANAGERMENTS



Unified Backup Management: The new boss simplifies data saving by using a single backup file, replacing the previous separate categories (Full, Web, Configuration, etc.). Both during creation and restoration, users can selectively choose which components to include, such as machine configuration, site configuration, and historical data.

SW COMPATIBILITY WITH OLD BOSS



Migration Tool: A dedicated migration tool will be developed in 2026 to convert existing Boss or Boss Mini backups into the new boss family format.

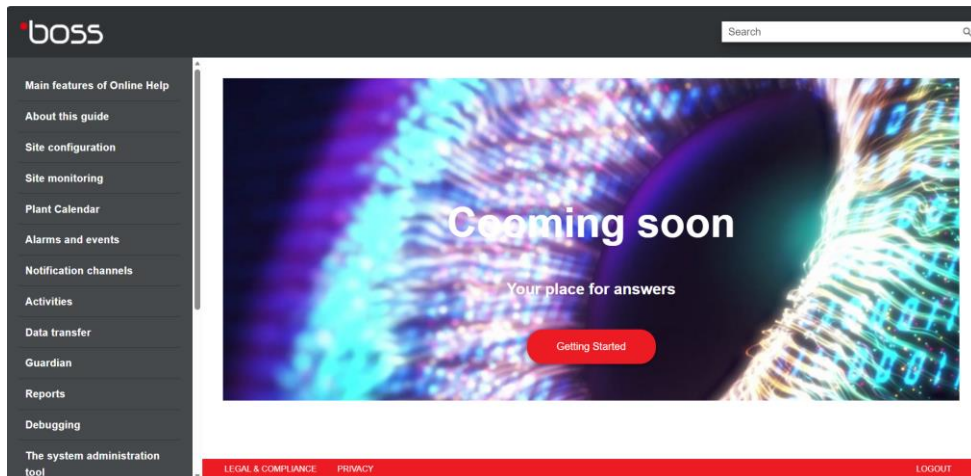
We will guarantee the migration of line/device configurations and historical data, ensuring a seamless swap and immediate plant monitoring.

The possibility to migrate the rules is currently under evaluation due to the new software architecture.

This tool will be provided directly to local subsidiaries to allow for independent migration without HQ support.



USER MANUAL



End-to-End Guidance: It will cover everything from initial setup and first configuration to advanced operations, such as plug-in management.

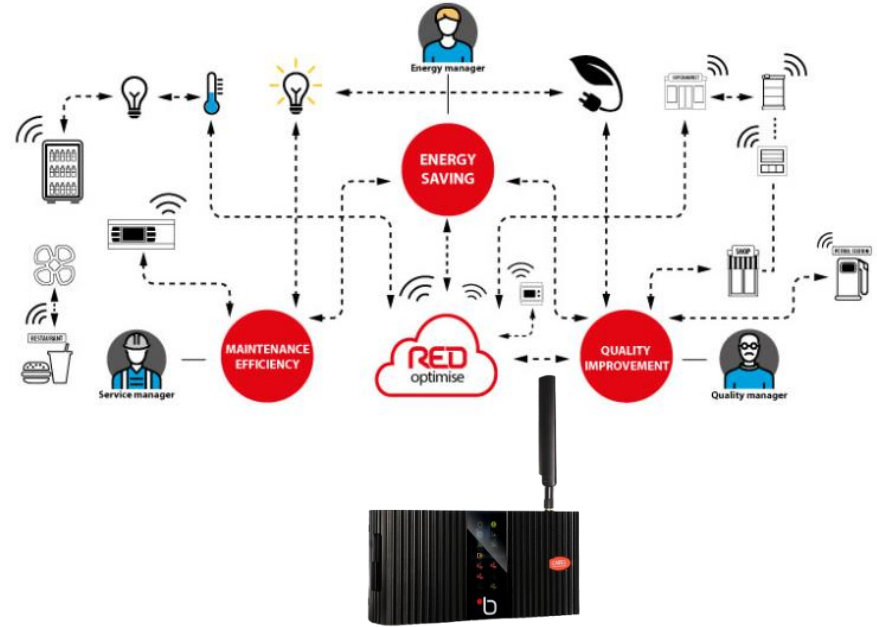
Streamlined Online Access: The manual will be available online, following the same format and logic as our software development tools (e.g., Stone).

BOSS & RED OPTIMISE

boss connection to the **RED optimise** enterprise platform is included without requiring credits to activate the service.

This integration allows complete control of the supervisor, including admin functions, as well as the possibility to centrally configure the data to be logged and transferred to **RED optimise** from multiple boss systems, directly from the platform.

The combination of **RED optimise** plus boss is therefore a turnkey solution, ideal for services managed using pre-configured supervisors



IMPORTANT NOTE: To **facilitate** the adoption of **RED Optimise** in the **NEW BOSS** platform, activation is **free of charge** (0 credits required).

bCore 2.0 – CYBERSECURITY



Secure-by-Design Approach: Security is integrated throughout the entire software development life cycle, ensuring a robust foundation from the start.



Hardware-Level Protection: The onboard chipset supports "Secure Boot" features, ensuring that only trusted software can be executed on the device.



Data Integrity & Access Control: Stringent security policies guarantee the confidentiality and availability of information, both locally and remotely, with role-based access management (RBAC)



External Validation: The system undergoes periodic security assessments by certified external bodies to ensure ongoing regulatory compliance and long-term protection.



Regulatory Readiness: These integrated layers ensure the product is fully prepared to meet the latest cybersecurity requirements, such as the **Cyber Resilience Act (CRA)**.

4. Devices & Log capacity / Plug-in activation policy

NEW DEVICES & LOG CAPACITY

NEW boss capacity: boss supports up to 100 or 300 devices and 1500 or 4500 logged variables (according to the model Standard or Extended), while boss mini supports up to 50 devices and 750 logged variables. The minimum sampling time **remains** 5 seconds, which is standard for supervision applications (**boss is not intended for laboratory use**).

Scalability via Plug-ins: A dedicated plug-in is available for both models to increase these limits :

boss mini:

Adds 10 devices and 250 variables
(*Total: 60 devices / 1000 variables*).

boss standard:

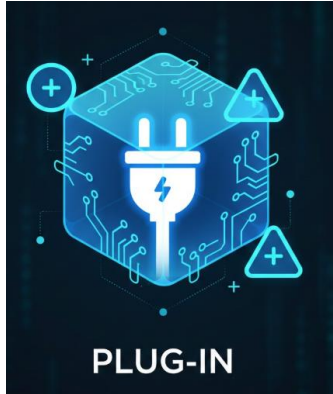
Adds 20 devices and 500 variables
(*Total: 120 devices / 2000 variables*).

boss extended:

Adds 50 devices and 1500 variables
(*Total: 350 devices / 6000 variables*).

Product	Devices	Variables logged	Extension with plug-in	Maximum total capacity
NEW boss-mini	50	750	Plus 10 devices & 250 variables	60 dev / 1000 vars
NEW boss standard	100	1500	Plus 20 devices & 500 variables	120 dev / 2000 vars
NEW boss extended	300	4500	Plus 50 devices & 1500 variables	350 dev / 6000 vars

bCore 2.0 – PLUG-IN 1/5



Modular & Flexible Add-ons: boss plug-ins are software extensions designed to enhance system capabilities in a modular and versatile way.

Credit-Based Activation: features are enabled through a credit system, where each add-on has a specific credit cost.

Extensive Feature Library: a wide range of plug-ins is available, covering everything from plant optimization and communication protocols (Field or Cloud) to advanced data processing and logging extensions.

bCore 2.0 – PLUG-IN 2/5

NEW CREDIT & PLUG-IN LOGIC:

Tiered Value System: Plug-ins are now categorized into three value tiers:

Tier 1 (1 Credit): Essential functionalities and standard "commodities."

Tier 2 (2 Credits): Standard features (representing the majority of the catalog).

Tier 3 (3 Credits): High-value solutions featuring advanced CAREL know-how, plant optimization, and energy saving.



Credit Value Realignment: To ensure a fair transition, **1 credit on the old Boss is equivalent to 2 credits on the new Boss.**

Customer Benefit: Most activations maintain the same cost, while Tier 1 features offer a saving that offsets the premium Tier 3 solutions.

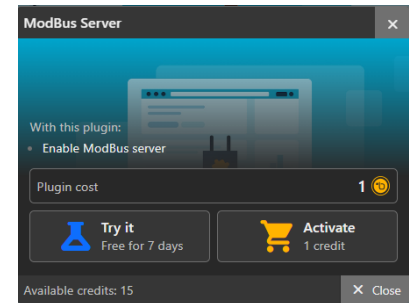
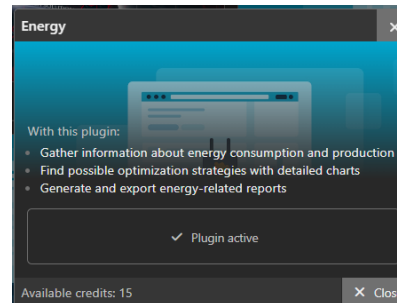
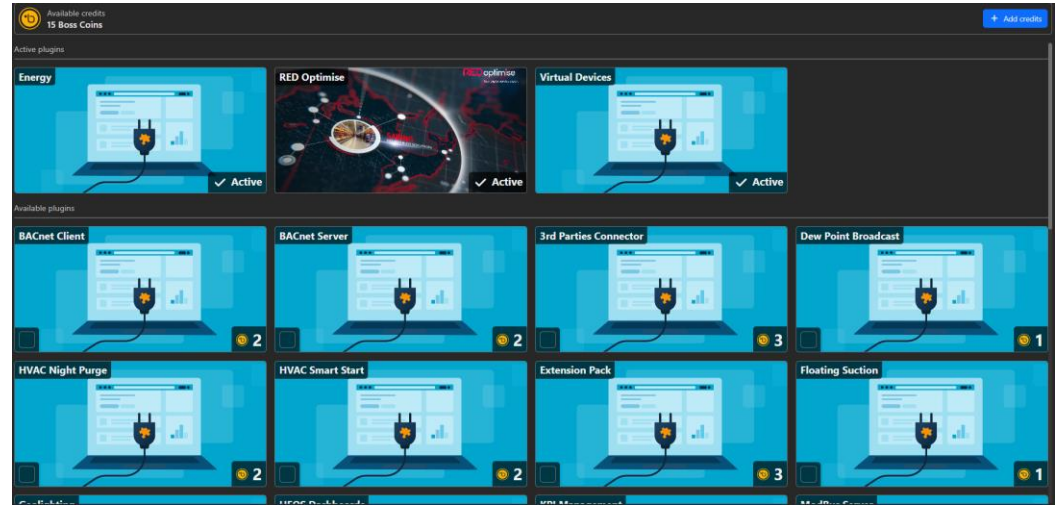
New Hardware Bundles: Reflecting this new logic, the new Boss comes with **6 or 20 credits** included (replacing the previous 3 and 9 credit versions). [BMHST03X**--> BNHST06X**]

bCore 2.0 – PLUG-IN 3/5

Flexible Acquisition: Credits are either included with specific Part Numbers (P/Ns) or can be purchased separately as needed.

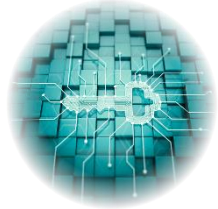
Try Before You Buy: Each plug-in includes a one-week trial period, allowing users to evaluate the benefits before permanent activation.

Intuitive Management: A dedicated activation page, organized into clear tabs, provides instant visibility of available features and their respective credit costs.



bCore 2.0 – PLUG-IN 4/5

NEW PLUG-IN INTRODUCED:



SCEP:

To automatically update security certificates via remote server

Extension layers on embedded maps:

To add more than 2 maps created with the embedded editor and unlock levels

Extension number of computed variables:

To reduce the time window (from 30 min to 10 min) used when adding more than 50 variables

Extension number of rules:

To add more than 25 rules (unlock limit)



PLUG-IN REMOVED:

THRESHOLD NOTIFICATIONS:

Since with new Rule Engine it's already possible to do what this plug-in did (even better).

ALGOPRO:

Removed for two reasons:

1.Functional overlap: Compute Variables and the new Rule Engine combined provide the same capabilities.

2.Security compliance: To meet Cybersecurity standards, we cannot host third-party logic that hasn't undergone CAREL's internal security validation.

bCore 2.0 – PLUG-IN 5/5

PLUG-IN LIST & COST

PLUG-IN	DESCRIPTION	CREDIT
3rd Parties Connection	To send data to third-party cloud systems via MQTT or Azure IoT HUB	3
Extension device & variables NEW boss-mini	To add 10 devices and 250 logged variables	3
Extension device & variables NEW boss 100 dev (Standard)	To add 20 devices and 500 logged variables	3
Extension device & variables NEW boss 300 dev (Extended)	To add 50 devices and 1500 logged variables	3
BACnet Client	To read BACnet devices	2
BACnet Server	To manage queries from third-party BACnet client systems (BMS)	2
Dewpoint BroadCast	To share calculated dew point temperatures with cabinet controllers	1
ECO-HVAC Nightpurge	To enable freecooling on HVAC units at night even when the units are off	2
ECO-HVAC Smart Start	To optimise HVAC unit switch on/off	2
Energy management	To monitor unit energy consumption	3
Floating suction	To optimise compressor rack set points	1
GeoLighting	To switch outdoor lights on and off based on sunrise and sunset times	1
Heos Dashboards	To display the behaviour of HEOS systems	0
KPI management	To monitor unit performance	2
Logic Devices	To create virtual devices and derived variables from real device variables	2

PLUG-IN	DESCRIPTION	CREDIT
Modbus Server	To manage queries from third-party Modbus client systems (BMS)	1
Parameter Control	To monitor unwanted or unauthorised changes to critical unit variables	2
RED optimise	To send data to CAREL RED Cloud systems	0
Redfish Server	To manage queries from third-party Redfish client systems (BMS)	2
Safe Restore	To manage cabinet status in the event of compressor rack issues	2
SNMP Manager	To read SNMP devices	2
Usage balancer	To sending control signals to humidification units based on an average humidity value	2
Very Low Superheat	To manage cabinet status in VLSH mode in the event of compressor rack issues	2
M-Net Client - FREE	To read values from Mitsubishi condensing units	0
SCEP	To automatically update security certificates via remote server	1
Extension layers on embedded maps	To add more than 2 maps created with the embedded editor and unlock levels	1
Extension number of computed variables	To reduce the time window (from 30 min to 10 min) used when adding more than 50 variables	1
Extension number of rules	To add more than 25 rules (unlock limit)	1
Technology Switch	To switch cabinet management between EXV and EEV	2
XML Push	To send data to third-party cloud system XML servers	3

NEW BOSS



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***Your plant's smart vision
for efficiency and sustainability***

