



EnerTEG

DCEM

Software

CONTEG



INDUSTRY 5.0



HUMAN
CENTRIC



INTEGRATION



SUSTAINABILITY



DATA
ANALYTICS



AUTOMATION



DIGITALIZATION



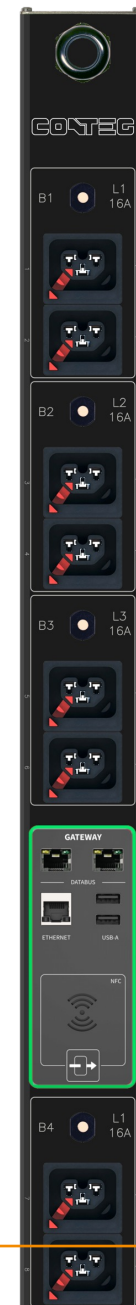
CIRCULAR
ECONOMY



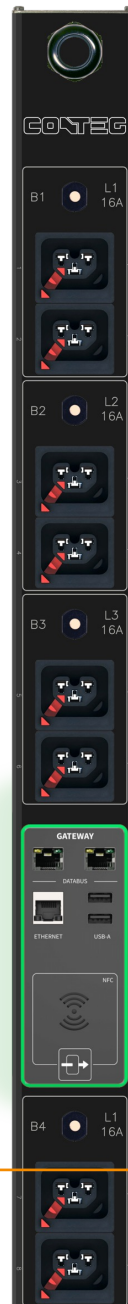
CUSTOMIZATION

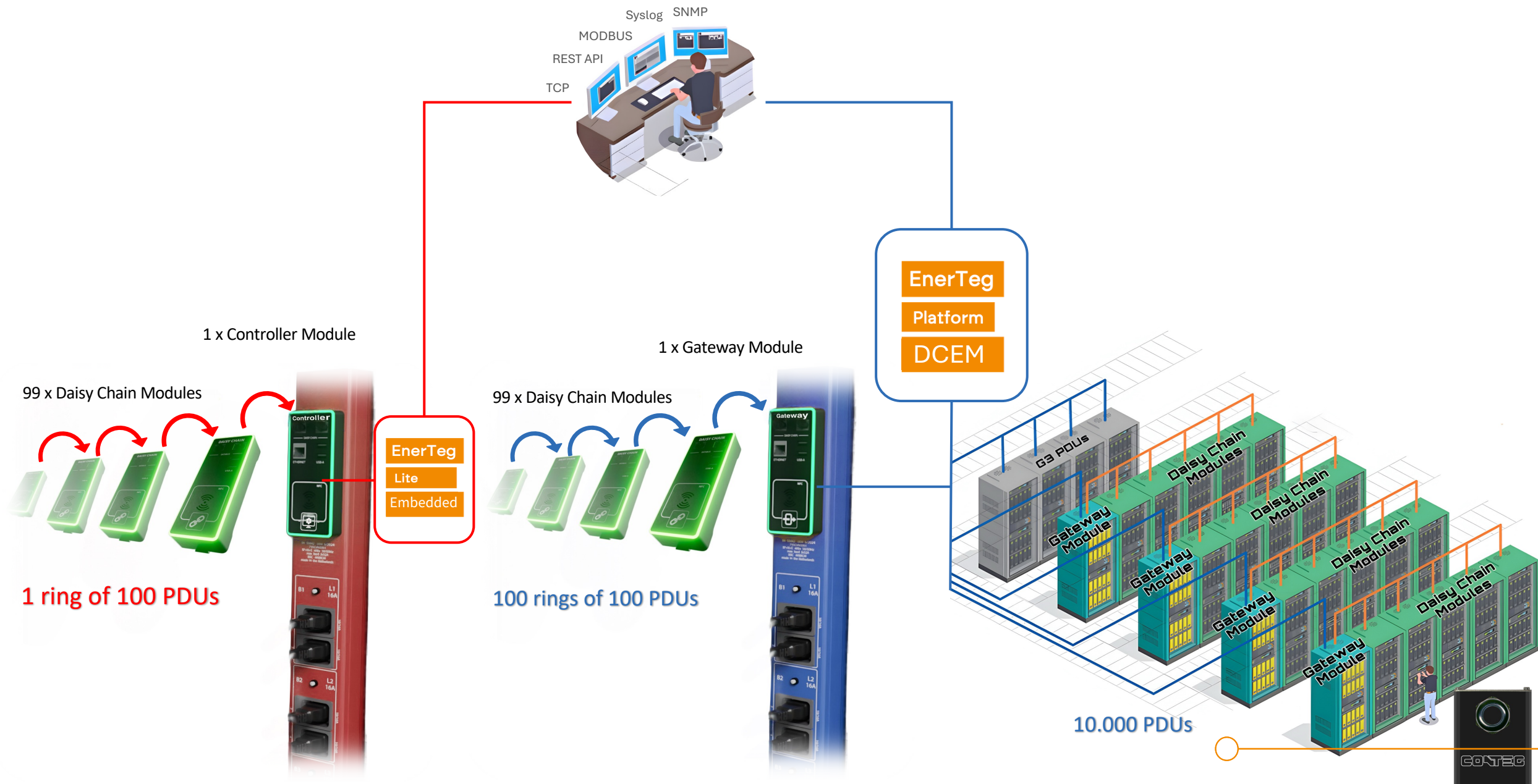


CYBER
PHYSICAL



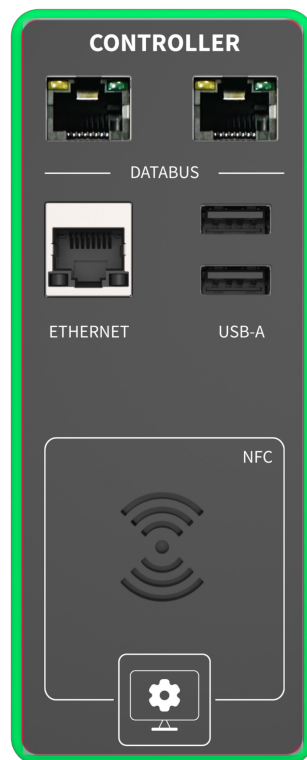
CONTEC



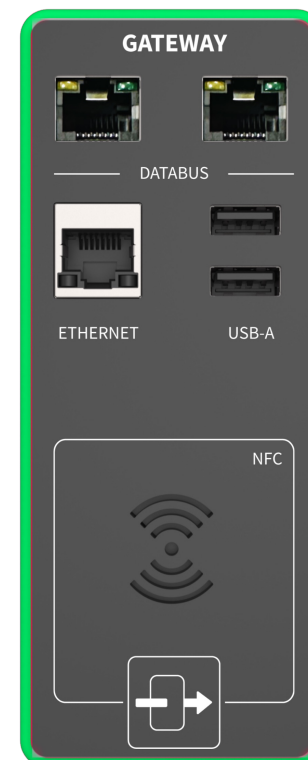


MODULES

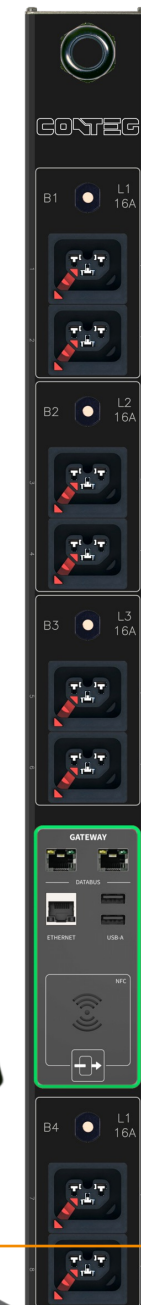
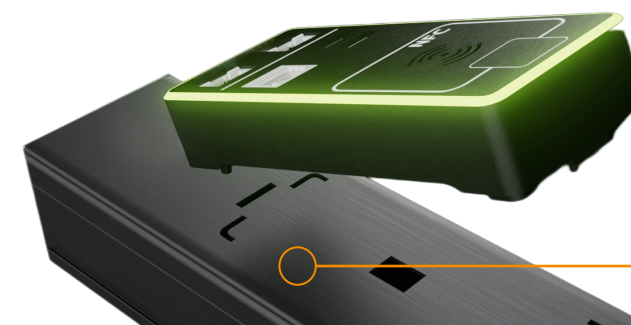
CONTEG



EnerTEG Lite
Embedded software



EnerTEG Platform
Server / Desktop install



Data Streaming & In-Rack security

DISPLAY APP

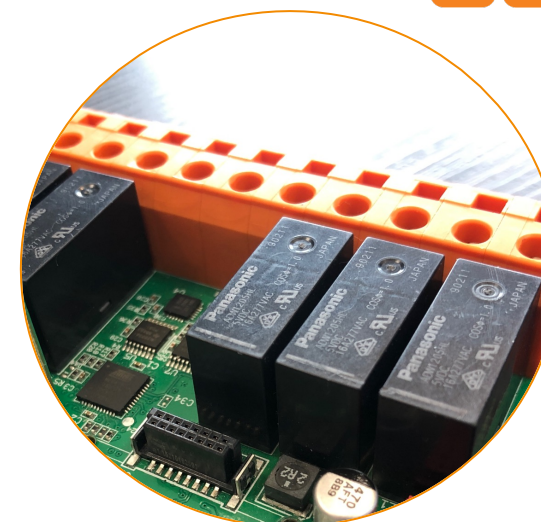
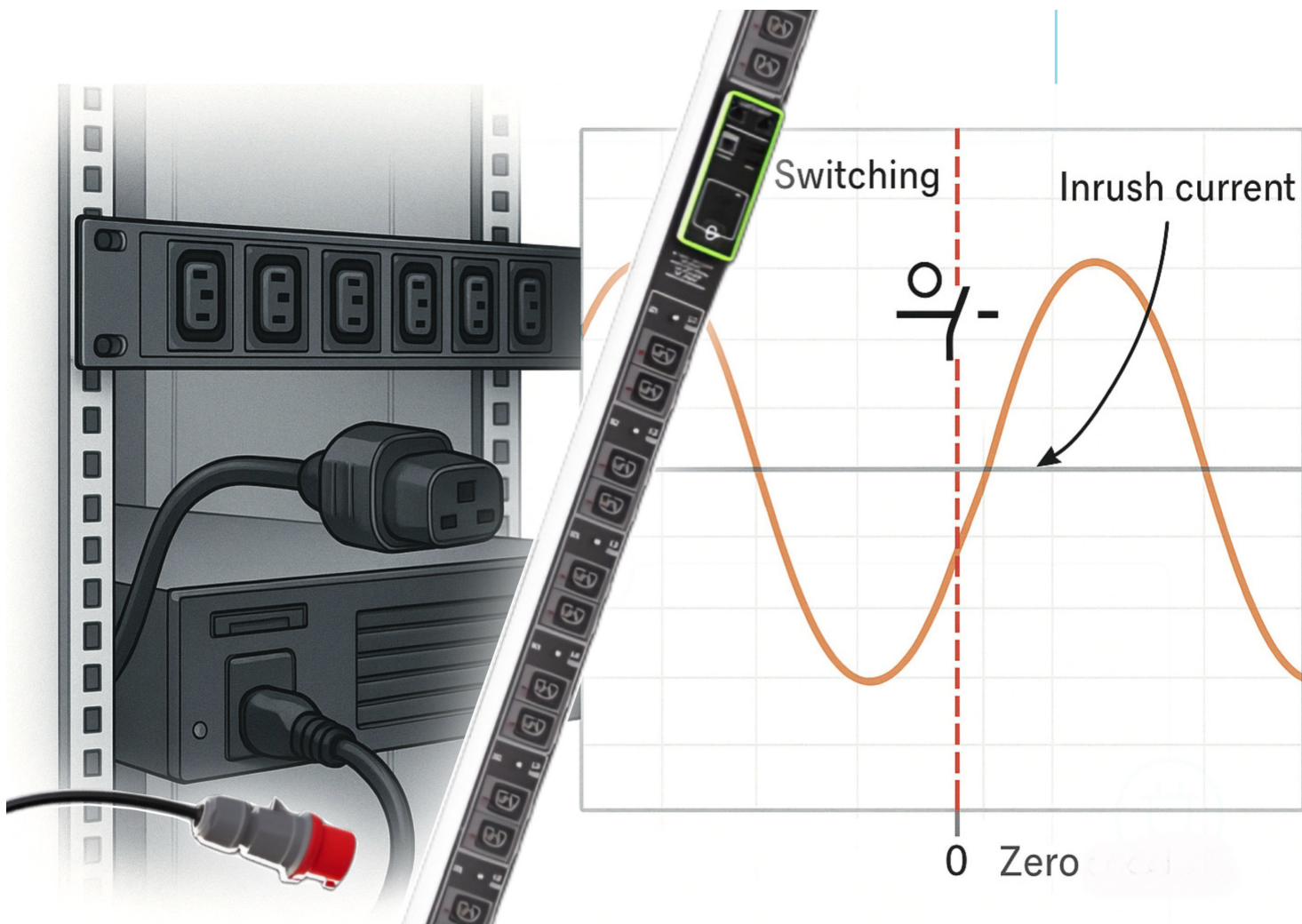
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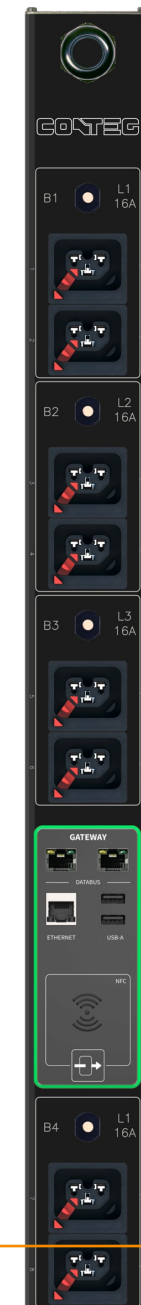
OUTLETS



NEAR ZERO VOLTAGE SWITCHING



- BI-Stable relays
- Outlet switching delay



SURGE PROTECTION DEVICE



Energy Coordination According to NEN 1010:2020 – Clause 534.4.4.5
Effective Protection Distance of SPDs – The 10-Metre Rule (EN 50600-2-2 / IEC 60364-5-53 Clause 534)

Close to the supply point of the installation, e.g. the main switchgear and distribution boards.

1

SPD Type 1 and/or SPD Type 2

Switchgear and distribution assemblies, e.g. a sub-distribution board.

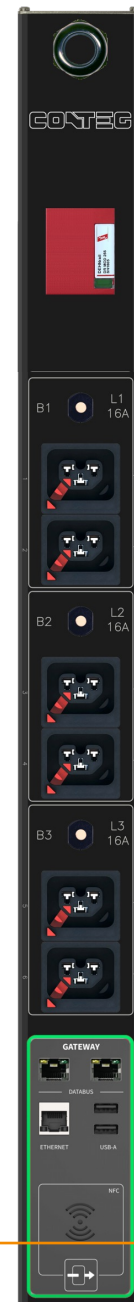
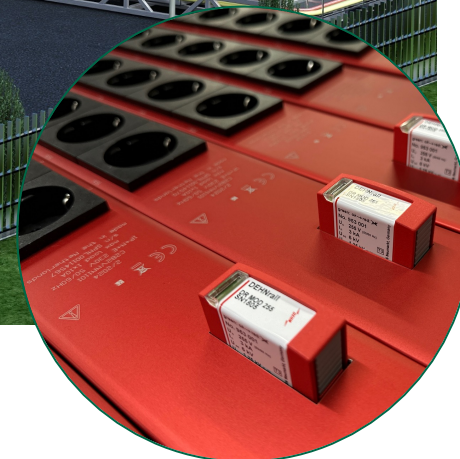
2

SPD Type 2 or SPD Type 3

Close to sensitive IT equipment.

3

SPD Type 2 or SPD Type 3



IN-RACK SENSORS

Temperature Sensor

- 2x RJ45 connector
- 1x USB-C (with single screw lock)
- Dual color status Led

Temperature & Humidity Sensor

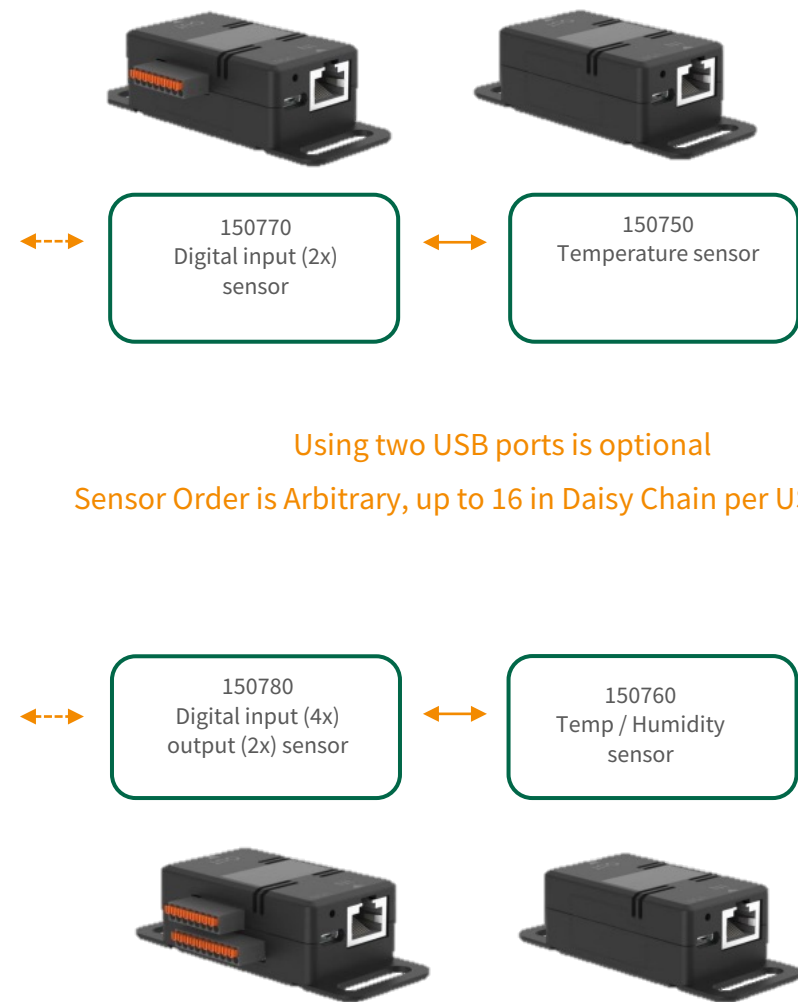
- 2x RJ45 connector
- 1x USB-C (with single screw lock)
- Dual color status Led

Digital input (2 x) sensor

- 2x RJ45 connector
- 1x USB-C (with single screw lock)
- 2x digital input (connector 4 pins)
- Non-isolating (contact closure), Ground switching (Internal Pull-Up)
- Dual color status Led

Digital input (4x) output (2x) sensor

- 2x RJ45 connector
- 1x USB-C (with single screw lock)
- 4x digital input (connector 8 pins)
- Non-isolating (contact closure), Ground switching (Internal Pull-Up)
- 2x relay 12V Power In, 2 dry contacts outputs
- Dual color status Led



Using two USB ports is optional

Sensor Order is Arbitrary, up to 16 in Daisy Chain per USB port



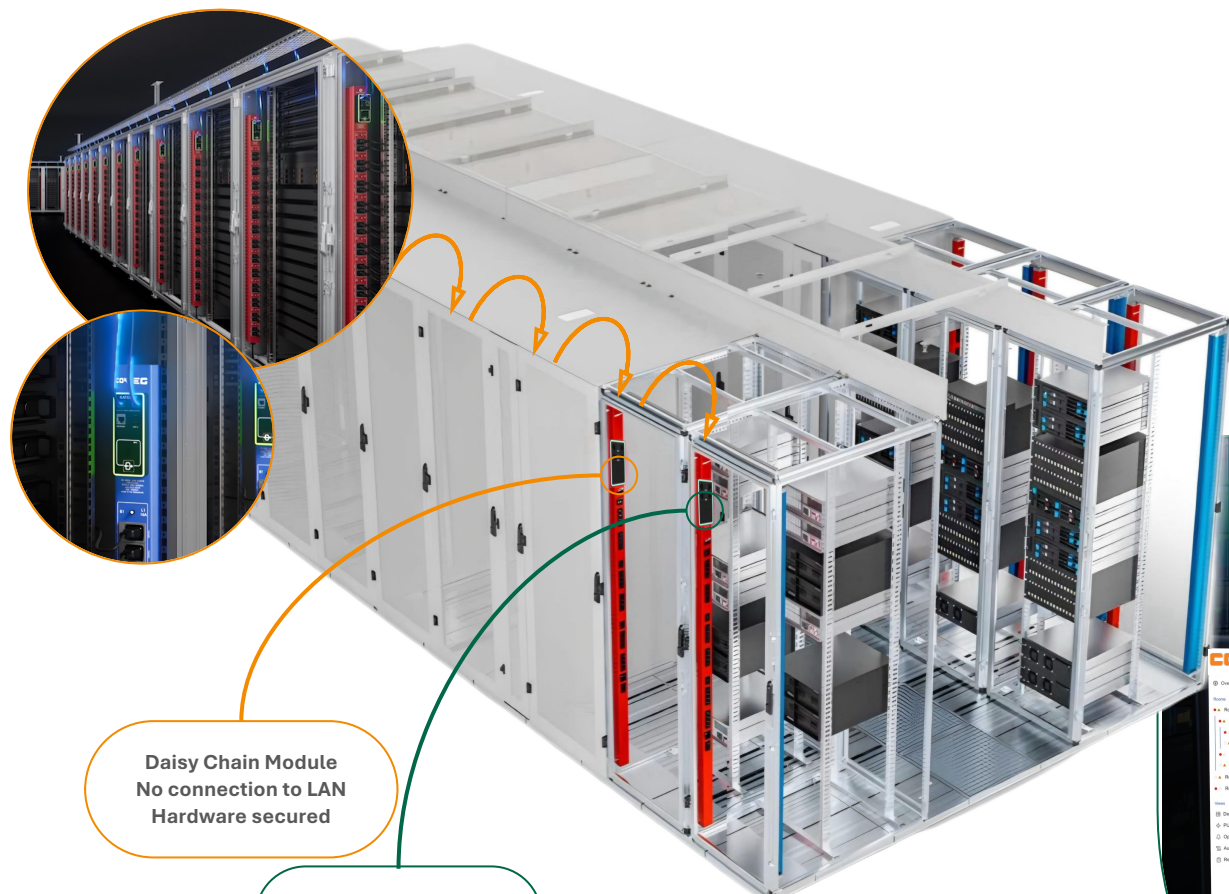
SECURITY

CONTEG

LDAP
Microsoft Active Directory

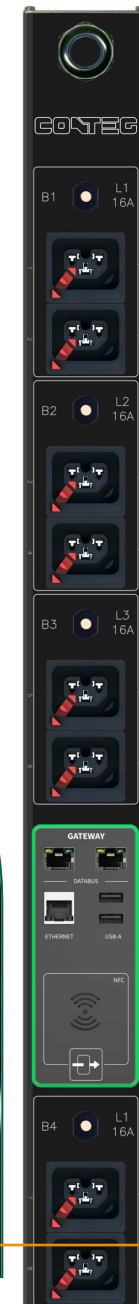


AES-256 CTR ENCRYPTION

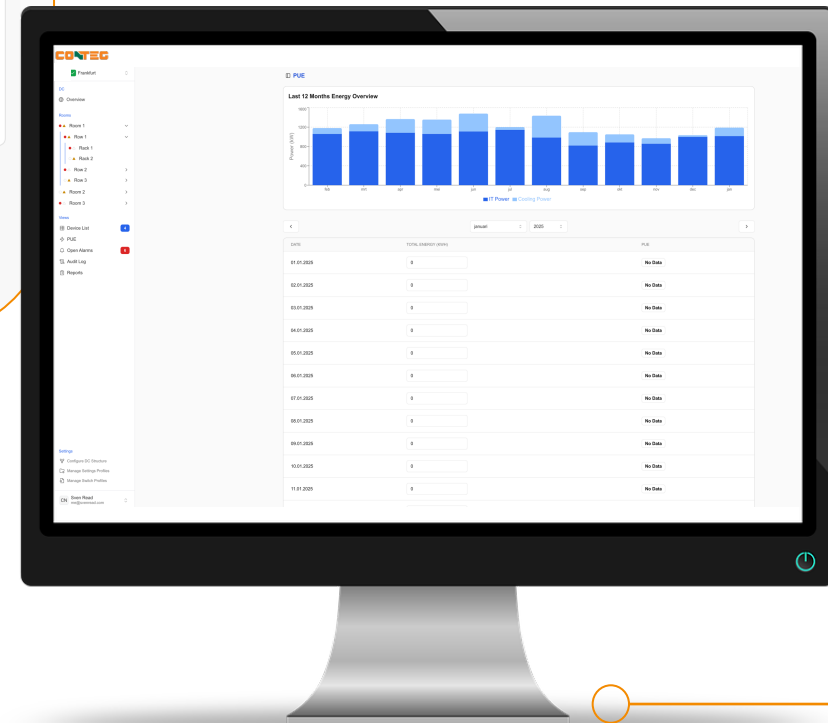
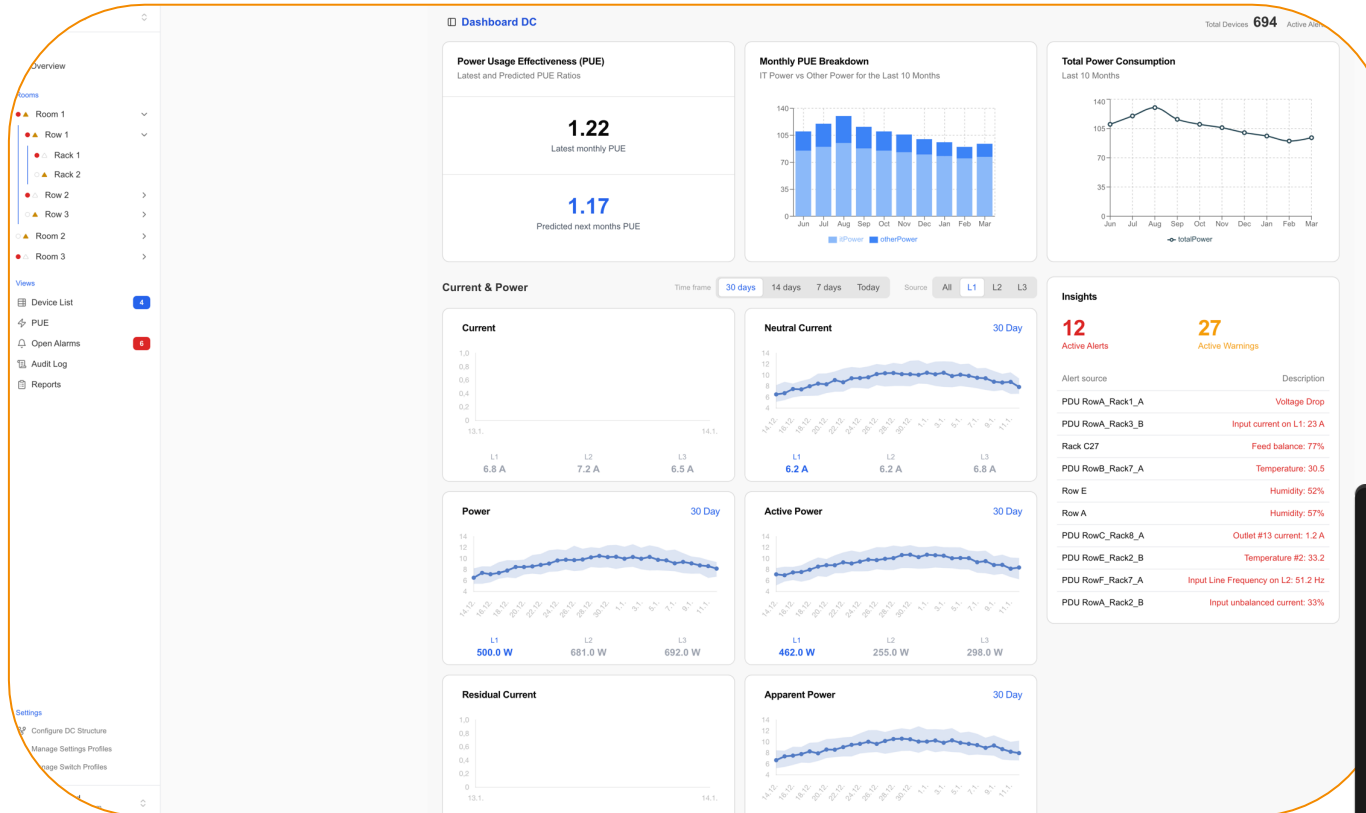


Daisy Chain Module
No connection to LAN
Hardware secured

Gateway Module
Connection to LAN



EnerTeg DCEM Software



EnerTeg DCEM Software



Category	EnerTeg feature	Platform	Lite
Performance	Maximum number of PDUs in system	10.000	100
	Maximum number of rings supported	100	1
	Maximum number of PDUs in 1 ring (single IP address)	100	100
	Measurements refresh rate	once/s	once/5s
Device management	Auto discovery of new added PDUs in system	✓	✓
	Mass configuration	✓	✓
	Grouping of devices and aggregation of measurements	✓	
	Supports Schleifenbauer generation 2 and 3 devices	✓	
User management	Customizable roles and permissions, group management, etc.	✓	✓
Control & alerts	Group switching	✓	
	Configurable thresholds for all measurements (warnings/alerts)	✓	✓
Data	Dashboarding	advanced	basic
	Creation of reports	advanced	basic
	Scheduling of reports	✓	
	Export of data to files or databases	✓	✓
Security	Logging and auditing	advanced	basic
	Updating & Back-up (configuration, log files)	✓	✓

Audit Log		All 🔍 🔴 🟡 🟢 Both 🔒		Select device or location...	
Time	Severity	Description	Device & Location	User	
12:07:04 26/11/2024	🟢	The connection to the Schlieffenbauer PDU, PMC or EMX at the IP address "https://192.168.33.250" is now started.	A 93912 Row_A_Rack1_A		
12:07:04 26/11/2024	🟡	Value of 200.00 at inlet "total" (1) has exceeded the warning threshold of 180.00 via rule "Schiefelast" for PDU "real PDU 3.6.1".	A 81549 Row_A_Rack1_A		
12:07:04 26/11/2024	🔴	The Schlieffenbauer device "real PDU 3.6.1", sensor "Presence Detector 1" for slot 1 is in an alarmed state.	A 27781 Row_A_Rack1_A	Sven Read	
12:07:04 26/11/2024	🟢	The connection to the Schlieffenbauer PDU, PMC or EMX at the IP address "https://192.168.33.250" is now started.	A 43325 Row_A_Rack1_A		
18:07:04 26/11/2024	🔴	Value of 200.00 at inlet "total" (1) has exceeded the warning threshold of 180.00 via rule "Schiefelast" for PDU "real PDU 3.6.1".	A 36142 Row_A_Rack1_A	Sven Read	
11:44:04 26/11/2024	🔴	The device "192.168.33.223" could not connect, it will be retried.	A 22481 Row_A_Rack1_A	Sven Read	
11:44:04 26/11/2024	🔴	The device at the IP address "192.168.33.249" has not responded to an SNMP request. Perhaps the Community or IP address is incorrect. Om7Sense Gateway will try to poll the device again in several minutes.	A 18873 Row_A_Rack1_A		
12:07:04 26/11/2024	🟢	The connection to the Schlieffenbauer PDU, PMC or EMX at the IP address "https://192.168.33.250" is now started.	A 05842 Row_A_Rack1_A		
12:07:04 26/11/2024	🟡	Unsuccessful login attempt into Om7Sense Gateway as user "admin" from IP address "172.0.0.2".			
12:07:04 26/11/2024	🟢	The connection to the Schlieffenbauer PDU, PMC or EMX at the IP address "https://192.168.33.250" is now started.	A 84461 Row_A_Rack1_A		

