

CERTIFICATE



Energy Data
Management
System
Regular
Surveillance



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Certificate-ID: C-11-2020-21251691

Certificate for: **Audited energy data management system**

Certificate holder: Schneider Electric SE
35 rue Joseph Monier
92500 Rueil Malmaison
France



Test report: B-11-2020-21251691

Products: Software and hardware components as specified
in appendix I to the certificate

Basis of certification: Audited energy data management system in
accordance with the catalogue of requirements
Version 3.0 (as of 06/2018)

Scope of certification: Document and system review of functionalities
for use with energy management systems in
accordance with ISO 50001, ISO 50006 and
energy audits in accordance with ISO 50002

It is herewith confirmed that the functionalities and characteristics of the software and hardware components of Schneider Electric SE described in the test report named above as well as in the appendix I to the certificate, have been verified within the framework of a document and system review. The components verifiably support compliance with the requirements of the chapters of the standards ISO 50001, ISO 50002 and ISO 50006 as listed in the appendix to the certificate. This certificate is valid until 31st December 2022.

Cologne, 18th December 2020

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The following characteristics and functionalities of the components as specified below were verified within the framework of the auditing:

- Determination of customized business key figures (EnPIs)
- Performance of dependency analyses
- Prices can be stored for determination of costs
- The software is compatible with standard communication interfaces and data transfer technology for the import of the measurement data recorded
- Various types of diagrams and depictions of energy consumption can be selected, e. g. heat maps and pareto charts
- Time-controlled and event-controlled reports can be drawn up automatically
- CO₂-balances can be drawn up automatically
- The contents of the automatic reports can be customized
- Reports are generated in established, common formats
- Customized threshold values can be specified for an early warning system
- The software is set-up according to the PDCA-cycle or supports implementation thereof
- Access rights can be customized for each user
- The system can be operated intuitively and is user-friendly

The components as specified below verifiably support compliance with the requirements of the following chapters of the standard ISO 50001:

- 6.3 a), b), c) Energy review
- 6.4 Energy performance indicators
- 6.5 Energy baseline
- 9.1.1 Monitoring, measurement, analysis and evaluation of energy performance and the EnMS
- 9.3.2 c) Management review

The components as specified below verifiably support compliance with the requirements of the following chapters of the standard ISO 50002:

- 5.4 a), c) Data collection
- 5.5 a) Measurement Plan
- 5.7.2 Analysis
- 5.8.2 c) 1, 2 Energy audit reporting

The components as specified below verifiably support compliance with the requirements of the following chapters of the standard ISO 50006:

- 4.2 Obtaining relevant energy performance information from the energy review
- 4.3 Identifying energy performance indicators

The software components as listed below were examined within the framework of the certification:

- EcoStruxure Power Monitoring Expert (PME)
- EcoStruxure Power Operation (formerly known as Power SCADA Operation) with Advanced Reporting and Dashboards module
- EcoStruxure Buildings Operation (EBO) with EcoStruxure Energy Expert module (formerly known as Power Manager)
- EcoStruxure Power Advisor

The following hardware components were examined within the framework of the certification:

- **Wireless energy meter:** PowerTag Energy 63A, PowerTag Energy 160A, PowerTag Energy 250/630A, PowerTag Energy Rope 200/600/1000/2000A, PowerLogic Tag Energy Meters for NAM market (PowerLogic Tag QO, PowerLogic Tag E-Frame and PowerLogic Tag Rope)
- **Energy meters:** iEM2000 (iEM2050, iEM2055, iEM2150, iEM2155), iEM3000 (iEM3150, iEM3155, iEM3250, iEM3255, iEM3350, iEM3355), EM4200 (EM4235, EM4236), EM3500, EM4200 (EM4235, EM4236), EM357x series
- **Power Meters:**
 - **PowerLogic range:** PM5000 series (PM5100, PM5110, PM5111, PM5310, PM5310R, PM5320, PM5320R, PM5330, PM5331, PM5340, PM5341, PM5350, PM5350IB, PM5350P, PM5560, PM5561, PM5562, PM5563, PM5563RD, PM5570, PM5580, PM5650, PM5660, PM5661, PM5760, PM5761), PM3000 (PM3250, PM3255)
 - **EasyLogic range:** PM2000 series (PM2110, PM2210, PM2210R, PM2105C, PM2120, PM2125C, PM2130, PM2220, PM2220R, PM2225C, PM2230, PM2230R), PM1000 series (PM1120H, PM1125H, PM1130H, PM1200, PM1225H), EM series (EM1250H, EM6400, EM6400NG, EM6433H, EM6436H, EM6438H, EM6459H), DM6000 series (DM6200, DM6200H, DM6220H)
- **Power quality meters:** PM8000 (PM8240, PM8243, PM8244, PM8210, PM8213, PM8214, PM82401, PM82403, PM82404), ION7550, ION7650, ION9000 (ION92030, ION92040, ION93030, ION93040, ION95030, ION95040)
- **Multi circuit meters:** BCPM-A, BCPM-B, BCPM-E, BCPMSC-A, BCPMSC-B, BCPMSC-E, EM4900, HDPM6000 series
- **Utility Meters:** ION8650 (ION8650A, ION8650B, ION8650C), ION8800 (ION8800A, ION8800B, ION8800C), ION7400 (ION7400, ION7403, ION7404, ION74001, ION74003, ION74004, ION7410, ION7413)
- **Circuit breakers:** Compact NSX (Micrologic E, Micrologic M), Compact NS (Micrologic E, Micrologic P, Micrologic H), Masterpact NT (Micrologic E, Micrologic P, Micrologic H), Masterpact NW (Micrologic E, Micrologic P, Micrologic H), Masterpact MTZ (Micrologic X, Micrologic Xi)
- **Protection relays:** SEPAM (SEPAM40, SEPAM60, SEPAM80), MiCOM (P20, P30, P40), Easergy (P3, P5)
- **Energy servers and gateways:** Smartlink SIB, Powertag Link, PowerTag link HD, Com'X 210, Com'X 510, Link150, EcoStruxure Panel Server