

CERTIFICATE

Certificate-ID: C-03-2020-21249232

Certificate for: Audited energy data management system

Certificate holder:

SIEMENS

Siemens AG
Smart Infrastructure
Low Voltage Products
Humboldtstr. 59
90459 Nürnberg, Germany

Test report: B-03-2020-21249232



Energy Data
Management
System
Regular
Surveillance



www.tuv.com
ID 000073637

Components: Power Monitoring / Energy Management Software SENTRON powermanager
Power Meter 7KT/7KM PAC
Air Circuit Breaker 3WL
Molded Case Circuit Breaker 3VA and 3VL

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 and energy audits in accordance with ISO 50002

It is herewith confirmed that the functionalities and characteristics of the components as named above 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 and ISO 50002 as listed in the appendix to the certificate. This certificate is valid until 31 March 2022.

Cologne, 26 March 2020

Handwritten signature of Norbert Heidelmann in blue ink.

Norbert Heidelmann
TÜV Rheinland Energy GmbH
Energy and Carbon Services

Handwritten signature of Florian Griebel in blue ink.

Florian Griebel
TÜV Rheinland Energy GmbH
Energy and Carbon Services

Appendix I to Certificate No. C-03-2020-21249232

Certification Procedure Audited Energy Data Management System Energy Management Software SENTRON powermanager

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The following characteristics and functionalities of the Energy Management Software SENTRON powermanager were verified within the framework of the auditing:

- Determination of customised business key figures (EnPIs)
- Prices can be stored for determination of costs
- Various types of diagrams and depictions of energy consumption can be selected
- Time-controlled and event-controlled reports can be drawn up automatically
- The contents of the automatic reports can be customised
- Reports are generated in established, common formats
- Customised threshold values can be specified for an early warning system
- Monitoring of defined energy targets
- The software is set-up according to the PDCA-cycle or supports implementation thereof
- Access rights can be customised for each user
- The system can be operated intuitively and is user-friendly

The Energy Management Software SENTRON powermanager verifiably supports compliance with the requirements of the following chapters of the standard ISO 5001:2018:

6.3	Energy review
6.4	Energy performance indicators
6.5	Energy baseline
9.1	Monitoring, measurement, analysis and evaluation of energy performance and the EnMS
9.3.2 c), d)	Input to management review

Furthermore, the Energy Management Software SENTRON powermanager verifiably supports compliance with the requirements of the following chapters of the standard ISO 5002:2014:

5.4 a), c) 1) and 3), d)	Data collection
5.7.2	Analysis of current energy performance
5.8.2 c) 2., 3.	Energy audit report content