CERTIFICATE

Certificate-ID:	C-05-2023-21259017
Certificate for:	Audited energy data management system
Certificate holder:	Wurm GmbH & Co. KG Elektronische Systeme Morsbachtalstr. 30 42857 Remscheid Germany
Test report:	B-05-2023-21259017
Components:	Software and hardware components according to Annex I
Basis of certification:	Audited energy data management system in accordance with the catalogue of requirements Version 3.0 (as of 03/2018)
Scope of certification:	Document and system review of functionalities for use with energy management systems in accordance with ISO 50001 et al. and energy audits in accordance with ISO 50002

It is herewith confirmed that the functionalities and characteristics of the components described in the test report as well as in the appendix II 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 et al. and ISO 50002 as listed in the appendix to the certificate.

This certificate is valid until 31 May 2025.

Energy Data Management System
Regular Surveillance
www.tuv.com
ID 0000046964

Cologne, 24 May 2023

Norbert Heidelmann
TÜV Rheinland Energy GmbH
Sustainability and Carbon Services

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Appendix I to Certificate No. C-05-2023-21259017

Certification Procedure
Audited Energy Data Management System

Wurm GmbH & Co. KG
Elektronische Systeme
Morsbachtalstr. 30
42857 Remscheid, Germany

The scope of certification includes the following software component:

- Frigodata Online

The following hardware components are included in the scope of certification:

- EMG energy meter
- PIC-M-XP consumption recording module on M-Bus basis
- PIC-M-BL consumption recording module on M-Bus basis
- PIC-3-XP triple pulse counter for consumption recording of electricity, water or gas
- PIC-XP Triple pulse counter for consumption recording of electricity, water or gas
- PIC-6-XP 6-channel pulse counter for consumption recording
- FRIGOLINK – main module HMS-G3
- HMU-G3 main module with annual timer for recording fault and operating messages
- DOM-XP Universal week timer with telecontrol function
- Multicenter Central display and warning panel
- CMD 300 multi-communications gateway
- GTW-LAN Gateway for remote data transmission
- GTW-LAN PLUS Gateway for remote data transmission and consumption recording
- MULTIGATE data interface

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Appendix II to Certificate No. C-05-2023-21259017

Certification Procedure
Audited Energy Data Management System

Wurm GmbH & Co. KG
Elektronische Systeme
Morsbachtalstr. 30
42857 Remscheid, Germany

The following characteristics and functionalities of the components as stated in the certificate were verified within the framework of the auditing:

- Collection and storage of energy data in a selectable time grid
- Energy measurement or integration of external meters
- Determination of customised business key figures (EnPIs)
- Performance of dependency and regression analyses
- 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
- Time-controlled and event-controlled reports can be drawn up automatically
- CO_2-balances can be drawn up automatically
- The contents of the automatic reports can be customised
- Report are generated in established, common formats
- Customised 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 customised for each user
- The system can be operated intuitively and is user-friendly

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

6.2	Energy targets and energy management action plans
6.3 a), b), c)	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) 2)	Input to management review

Furthermore, the components verifiably support compliance with the requirements of the following chapters of the standard ISO 50002:

5.4	Data collection
5.7	Analysis
5.8.2	Report