

ResMa[®]

Energy management for industry



Efficient energy management with ResMa[®]

- ISO 50001 compliant solution: **easy certification**
- Open for all measuring systems: **cost-effective integration of existing systems**
- Coupling to machines and systems: **acquire production-relevant parameters**
- Order and batch-relevant acquisition: **determine product-specific costs**
- Automatic monitoring according to a set of rules: **reduce personnel expenses**
- Consumer overviews and PDCA (Plan - Do - Check - Act) cycles: **administrate 50001 tasks**

System features



Modular design

Starting with the compact entry-level system through to the complex EnMS Suite, the functionality can be adapted to the requirements.



Scalable

The quantity structure can be very widely scaled with regard to data points and simultaneous users.



Installed or Cloud

Local installations on compact IPCs or in virtual machines are supported, in the same way as installations on an IPS or as a Cloud solution.



Any measurement technology

Any measurement and control technology usable in the system for data acquisition.



Across locations

By decoupling from data acquisition, worldwide distributed installations can also be coupled via modems.



Multilingual

Multilingual structure based on Unicode for worldwide distributed applications.



Individual rights

User-specific rights to define the allowed functionality and the viewable data.



Integrable in IT

Connectors for data exchange with ERP/MES systems or with other databases.



ISO 50001 certified

Certified by TÜV-Süd and listed by the German Federal Office of Economics and Export Control (BAFA).



Branding

Option of customer-specific adaptations and branding for OEM customers.

System variants



ResMa® Compact

- Cost-effective entry-level solution, ready installed on a compact industry PC for installation in the control cabinet or on a DIN rail.
- Connection of counter with Modbus RTU (RS485) or Modbus TCP counters from various manufacturers.
- Unrestricted evaluation options and reporting system.



ResMa® Server

- Scalable solution for installation on a dedicated or virtual server.
- No restriction of the functional scope and extensive options for integration of external systems.
- PlugIn concept for customer-specific extensions.



ResMa® Cloud

- Use of ResMa® on a rental basis as a Cloud solution.
- Quick start of in-house energy management system, also across locations without setting up an internal infrastructure.
- Fully scalable and rental price credited against a purchase licence.

Certification and funding

ResMa® is TÜV-certified and BAFA-listed. So you have the assurance of a solution compliant with ISO 50001 requirements and for claiming funding options.



Bundesamt
für Wirtschaft und
Ausfuhrkontrolle



Modular design

Open and powerful solution

ResMa® effectively supports all tasks for an efficient and active energy management system and thus significantly reduces the personnel expenses necessary.



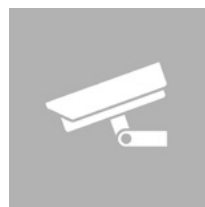
Data acquisition



Energy analysis



Reports



Monitoring



Peak load management



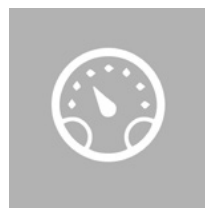
Calculated parameters



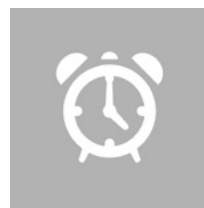
Visualisation



Administration



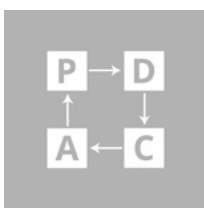
Cockpit



Alarming



Documentation



PDCA cycles



Energy forecast



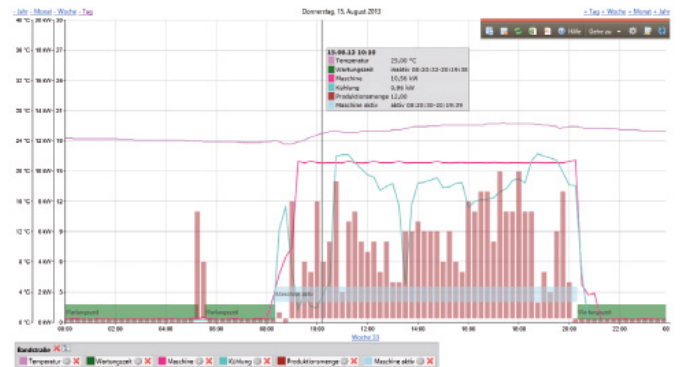
Tariffs



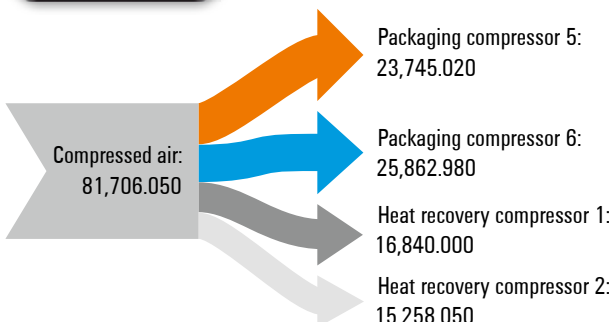
IT integration

Energy management according to ISO 50001 means continuously checking and optimising energy efficiency. This perpetual task calls for the maximum support from a powerful system, which takes care of monitoring and analysis largely independently. The generation of informative energy performance indicators, EnPIs (KPIs), while taking into consideration production parameters and their monitoring using energy monitoring, forms the basis for reducing daily monitoring expenses.

With the overview of consumption and the energy balancing on which this is based, approaches for expanding the measuring equipment or for specific saving potential can be determined, which are documented in the PDCA cycle and the result checked.



Interactively adaptable charts help provide the detailed analysis; for every situation they allow the optimal representation of correlations and can be saved for further editing, also by other colleagues. Customable reports balance energy and KPIs from production in a clearly arranged form.



ResMa[®]

System structure

ResMa[®] is an open solution that supports all measurement systems and industrial controllers and can grow with your requirements.

Weidmüller GTI Software supports you in integrating the EnMS

With ResMa[®], Weidmüller GTI Software offers not only a comprehensive software solution for energy management in accordance with ISO 50001, but also the necessary support for integration in existing automation technology, control technology or building automation and in connecting to the company IT. Customer-specific requirements with regard to energy planning, peak load optimisation or on-demand control can be tailored to the concerns of the customer through adapted support.

Energy consultant

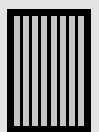


Service partner



Site 1

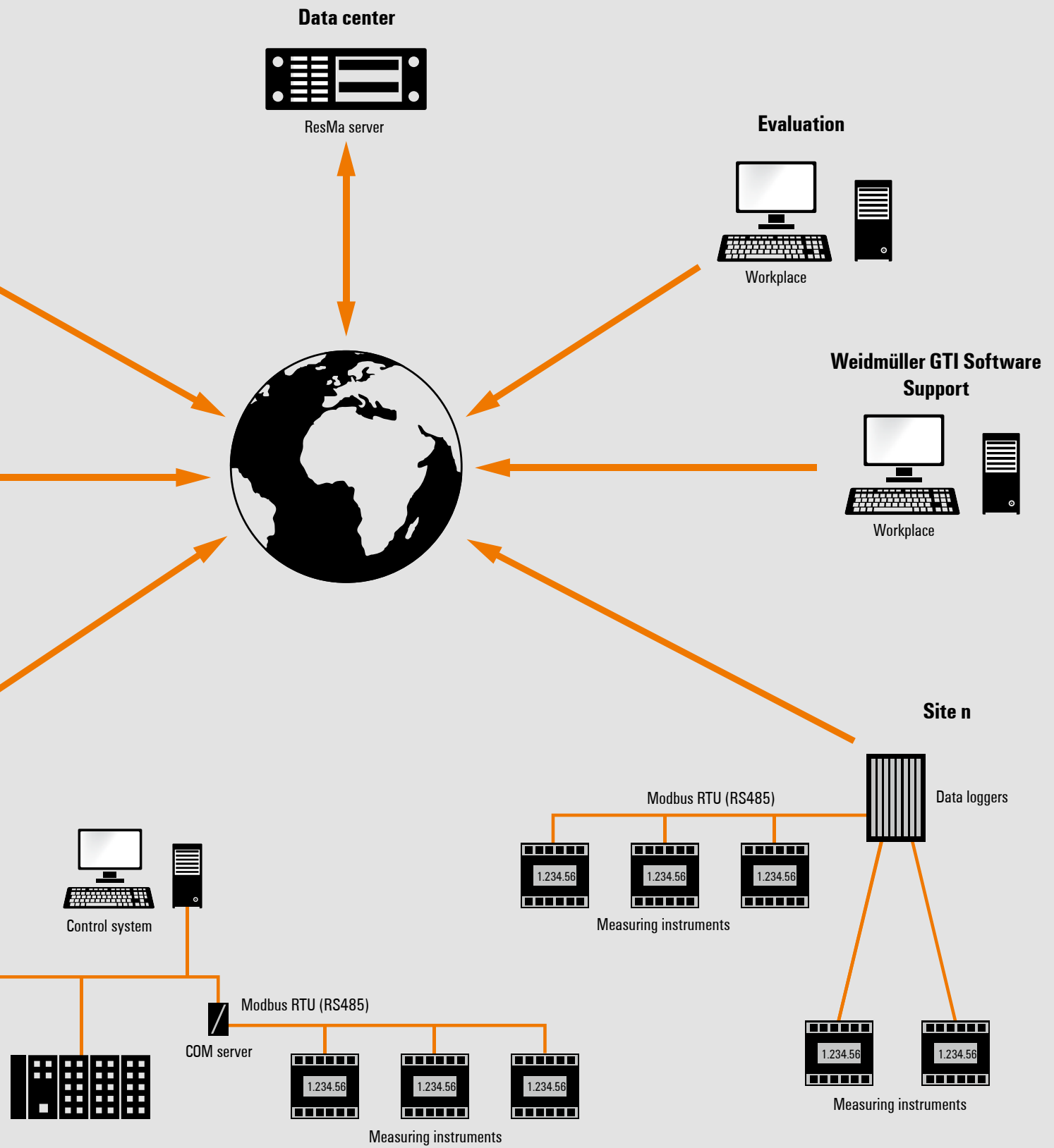
S5/S7 RFC 1002/1006
Ethernet/IP
Beckhoff ADS
Modbus TPC
B&R PVI
3S SYMARTI/Gateway
OPC, OPC-UA
...



Data
loggers



Controls



Weidmüller – Your partner in Industrial Connectivity

As experienced experts we support our customers and partners around the world with products, solutions and services in the industrial environment of power, signal and data. We are at home in their industries and markets and know the technological challenges of tomorrow. We are therefore continuously developing innovative, sustainable and useful solutions for their individual needs. Together we set standards in Industrial Connectivity.

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Made in Germany
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