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Robotron
Energy Market Platform

FOR ENERGY DATA MANAGEMENT

DSO/TSO

EDM
*robotron*e ∡ *count*

Smart
Metering

MDM
*robotron*e ∡ *smart*

Sales
Procurement
Trading

EDM
*robotron*e ∡ *sales*

Industry

EDM
*robotron*iEDM*

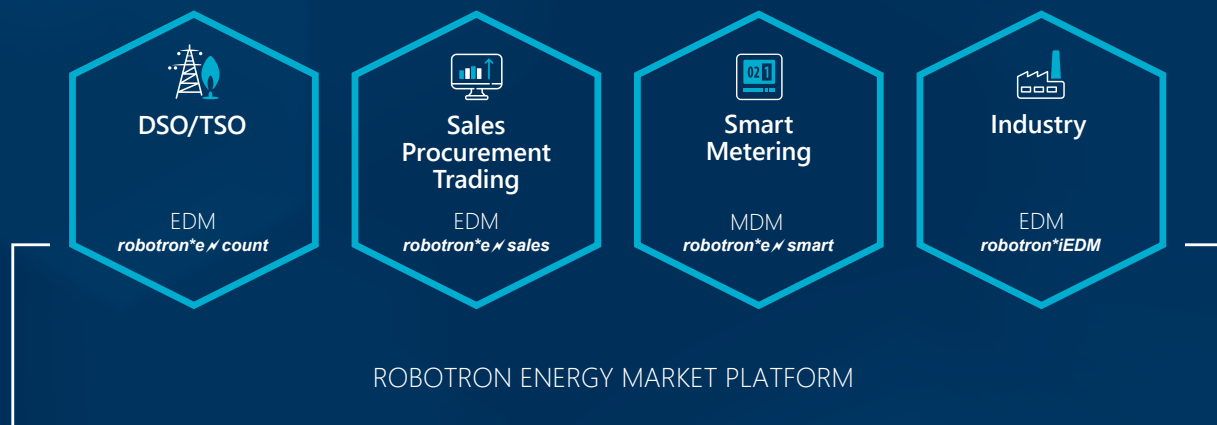# APPLICATIONS CONNECTING ENERGY.

Platform for Efficient Energy Data Management

The **Robotron Energy Market Platform** guarantees efficient and high-performance energy data management. The components of the platform cover the process chains of all energy market roles and commodities.

The variety of functions covers all requirements for your core business processes – **flexibly, integrated and automated** in one system. Depending on requirements, function modules are added to the core system or operated stand-alone. Existing software solutions can be integrated into the overall process via intelligent interfaces.

Many functionalities of the Robotron Energy Market Platform are available as services (SaaS, PaaS, IaaS) in the **Robotron Energy Cloud**.

Modular Solutions for All Energy Market Roles

DSO/TSO	Sales Procurement Trading	Smart Metering	Industry
EDM *robotron*e⚡count*	EDM *robotron*e⚡sales*	MDM *robotron*e⚡smart*	EDM *robotron*iEDM*

ROBOTRON ENERGY MARKET PLATFORM

Basic Functions for High Performance

‣ Robust and high-performance time series management with comprehensive API and archiving function

‣ Extensive process automation

‣ Extensive portal and visualization functions

‣ Market rule-compliant communication

‣ Convenient administration and revision security

‣ Pre-prepared or ad hoc master and transaction data reporting

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Target Group-Specific Functions

Four modular product families for the market roles grid operator, supplier/procurement, smart metering and industry/energy-intensive companies fully cover the respective process chains:

Grid operator

- Complete process coverage from advanced meter reading to billing
- Mapping of all market communication processes according to applicable specifications and format requirements (e. g. MaBiS, GPKE, GeLi Gas, GaBi Gas, WiM)
- System landscape can be implemented from solutions of different suppliers or in full scope by the Robotron Energy Market Platform

Meter Operator

- Support for reading, processing and provision of consumption data as well as for the automated execution of switching processes
- Comprehensive device management
- High-performance data hub for the star-shaped communication processes of the smart metering systems (iMSys)

Smart Metering

- Manufacturer-neutral, automated meter reading for classic remote-readable meters and intelligent metering systems
- Dynamic power grid solutions
- Powerful device management, parameterization
- Profile management (communication/tariff profiles)

Suppliers (Procurement/Sales)

- Tools for optimized procurement, sales and billing processes
- Integrated modules for seamless processes: Forecast, offer calculation, portfolio and schedule management are based on one data model
- Improved planning through control mechanisms for determining business key figures and use of risk management and planning tools

Gateway Administration

- Complete, tested modular world adapted to current legal requirements
- Special user interface and suitable interfaces for connecting the systems involved in the overall process

Energy-Intensive Companies and Industry

- Instruments for the introduction & operation of an energy management system according to DIN EN ISO 50001
- Know-how and adapted products from the energy data management environment
- Energy data-based production optimization

Your Advantages

Specialization in processing large amounts of data and decades of experience in the energy industry are reflected in the performance of the Robotron Energy Market Platform. The scope of services is constantly being developed to cover the requirements of all market roles.

- **Stable:** The Robotron Energy Market Platform combines all basic functions for the performant handling of time series, for network operators, suppliers and procurers.
- **Convenient:** A wide range of functionalities is available as services (SaaS, PaaS, IaaS) in the Robotron Energy Cloud.
- **Flexible:** Depending on requirements, suitable function modules can be added to the core system or operated stand-alone.
- **Specialized:** Combined accordingly, the modules cover the process chains of energy suppliers of all sizes, service providers as well as the manufacturing industry.

Our Services –
Your Partner from Planning to Operation

✔ **Cloud-Solutions:** Robotron is your innovative service provider for software solutions from the Robotron Energy Cloud (SaaS, BPO) and offers modular services for optimal business processes (IaaS, PaaS, BPaaS).

✔ **Projects and Customer Support:** Benefit from the use of selected modules of the Robotron Energy Market Platform and the extensive experience of our experts. With our flexible and standardized products, we achieve short project runtimes and rapid productive use of your systems.

✔ **Integration:** The products of the Robotron Energy Market Platform are mostly integrated in a heterogeneous system world as a central data hub. Users of our software can therefore benefit from a broad spectrum of realized interfaces and methods as well as extensive project experience.

✔ **Training:** The Robotron Training Center offers a wide range of courses on the Robotron Energy Market Platform. The course participants are taught knowledge and skills for the efficient use of Robotron products, according to their respective tasks.

✔ **Services and Support:** As a product manufacturer and operator, we offer you comprehensive support for all aspects of Robotron products. We provide support in planning, setting up and operating proven infrastructures. Sophisticated service-level agreements for operation and service of the products ensure the continuous performance of the systems around the clock.

Certified administrators and consultants reliably facilitate your daily operation of the applications with highly specialized services.
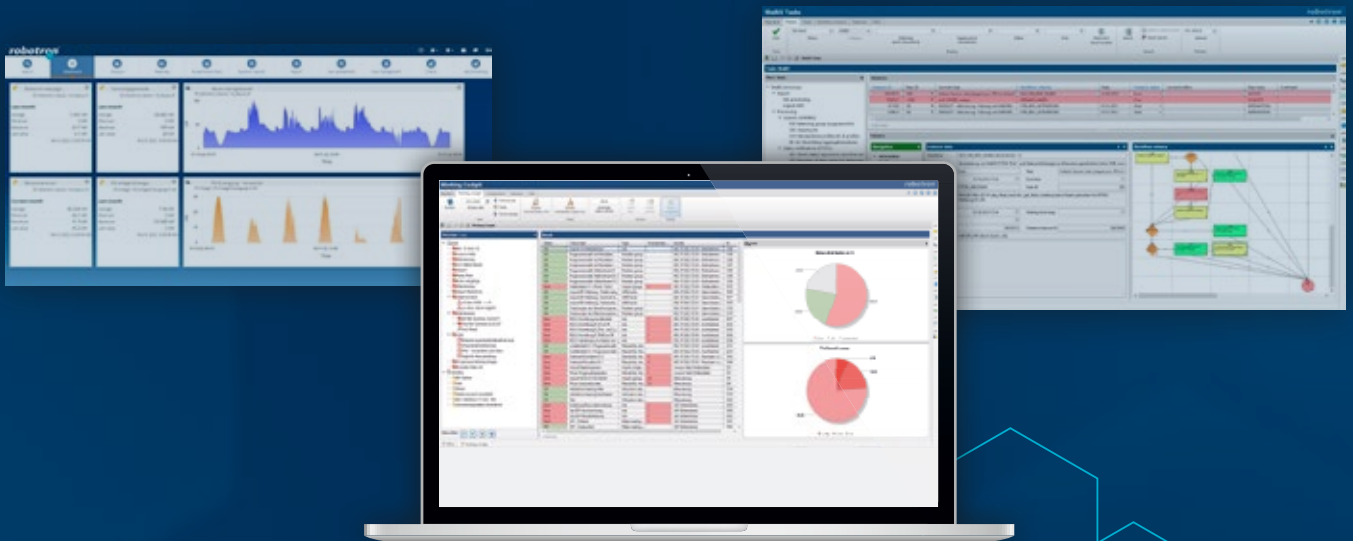
✔ **Robotron EDM Appliance:** With the Robotron EDM Appliance (REA), we provide you with a fully preconfigured, optimized and highly available complete system. The software you require individually from the wide range of the Robotron Energy Market Platform is combined with the necessary hardware to suit your needs.

Innovative
Energy
Data
Solutions

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Convincing Functionalities and Added Value

The **Robotron Energy Market Platform** offers an all-in-one solution for all processes of all energy market roles. The modular system architecture convinces with high-performance products and services:

- ✔ The platform offers high-performance products and modules for **all market processes.**

- ✔ The EDM core offers all basic functions for the performant handling of time series of **all commodities.**

- ✔ Existing software can be integrated into the overall process via **intelligent interfaces.**

- ✔ Function modules can be **flexibly** connected to the core system or **operated stand-alone.**

- ✔ Numerous functionalities are available as **services (SaaS, PaaS, IaaS)** in the Robotron Energy Cloud.

- ✔ Comprehensive process automation

- ✔ Market-compliant communication processes according to **MaBiS, GPKE, GeLi Gas, GaBi Gas and WiM**

- ✔ **Platform characteristics:** interface-free, integrated, cross-commodity, automated and interoperable

- ✔ **Portal function:** The *robotron*Webportal* makes energy data from *robotron*e∕count*, *robotron*e∕sales* or *robotron*e∕smart* available online for your private and business customers.

- ✔ Workflow control and **switching process management** with *robotron*WPM*

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