

# GEMALOGIC®

## ENERGY MANAGEMENT SOFTWARE



- Modular Design
- User-friendly Interface
- Advanced Dashboards
- Cost Effective and Simple Installation
- Integration with Legacy Systems
- Real Time Data Acquisition

GemaLogic® is a powerful tool for energy management which enables the users to reduce their energy costs. It is suitable for industrial, commercial or public companies regardless of their business or size. It brings state of the art solutions for energy data acquisition and monitoring, energy data analysis, and the implementation of continuous improvements in energy efficiency.

GemaLogic® is built as SOA enterprise architecture, consisting of database, application server, and various client applications. It can operate on almost any operating system (Windows, Linux) and supports all major database vendors (Microsoft SQL, Oracle, PostgreSQL, MySQL, DB2). As a web server application, GemaLogic® allows customers to deliver information through their company's intranet or securely via the Internet (https). All that is required is a standard web browser running on a desktop or mobile device. This gives the customers complete freedom to choose the most suitable configuration for their existing IT environment. GemaLogic® can be used as a service in the cloud (SaaS) or as an integrated system installed on customer's premises.

### REAL-TIME ENERGY MONITORING

GemaLogic® acquires large numbers of various data regarding energy and related measurements in intervals of up to one minute. It stores current and archived values for the entire time series. Based on the data collected, mathematically calculated and time aggregated data can be provided. The data is presented in the form of tables, graphs or charts and as process schematics.

### ENERGY DATA ANALYSIS

GemaLogic® can perform different energy data analyses, such as load profile analysis of different energy consumption and peak consumption analysis. Built-in Monitoring and Targeting (M&T) analysis give a feedback of energy management projects and guidance on the level of energy use that should be expected in a certain situation. Importantly, they also give early warnings of unexpected excess consumption caused by malfunctions, errors, unwanted user behaviour, and maintenance errors.

### CUSTOMIZED REPORTS AND DASHBOARDS

GemaLogic® allows various members of staff to be involved in energy management – from top management to people at different levels throughout the organisational structure. Every user can take advantage of predefined templates to create their own reports which best suit their specific tasks. All these reports can be exported in Excel or PDF formats. Important information and KPI can be displayed in Dashboards to enable quick overview of the energy management performance.

### CUSTOMISED ALERTS

Any deviation from the limits of normal operation can be immediately detected. The alerts can be sent to various recipients via SMS or e-mail. All thresholds and alarm limits can be adjusted by the customer.

### CERTIFICATION TO MEET ISO 50001 REQUIREMENTS

GemaLogic® is certified by TÜV SÜD according to the TÜV SÜD Standard "Certified Energy Data Management" and hereby meets the requirements of monitoring, measurement and analysis of the ISO 50001 standard on energy management systems. Using energy management software, GemaLogic® enables a systematic approach to continuous improvements of energy efficiency and the reduction of emissions, as well as lowering energy costs.

**GEMALOGIC**  
**SOLVERA**  
**LYNX**

### ENERGY MONITORING

- Advanced dashboards
- Customised reports
- Real time energy consumption
- Benchmarking

### ENERGY EFFICIENCY

- Specific energy efficiency performance indicators (KPIs)
- Monitoring & targeting (M&T)
- Cumulative sum of deviations (CuSuM)
- Tariff & cost analysis
- Sankey diagram
- Alerts

### ENERGY CONSUMPTION FORECASTS

### WEATHER MEASUREMENTS AND FORECASTS

### INTEGRATIONS WITH LEGACY SYSTEMS

- Supervisory control and data acquisition systems
- Manufacturing execution systems
- Weather data
- Invoicing systems

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