EnergyMaster

Energy management system for the plastics industry

Reduce energy costs

Less eco impact

Better decision-making

Compliant with regulations
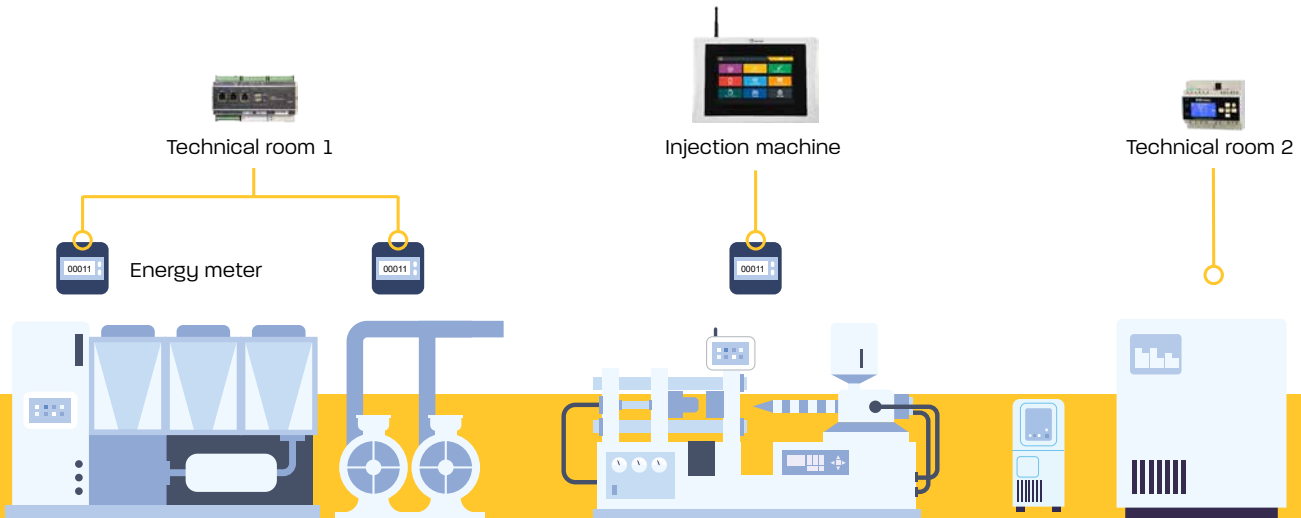
Create energy awareness

FEATURES

- Map all your energy flows.
- Visualize consumption patterns.
- Correlate energy data with real-time machine monitoring metrics.

- Analyze sleep consumption on machine and stop reason level.
- Detailed energy cost calculation per job / product.
- Manage energy peaks.

Implementation and energy management approaches

Real time data collection of all energy resources

Technical room 1

Injection machine

Technical room 2

00011   Energy meter   00011

00011

Connect energy metering devices of the different energy resources with the EnergyMaster server.

Choose the right approach for you

Implement your energy management strategy and vision according to your plant.

Most common approaches:

- **Analysis of the machinery park**

The machinery park accounts for about 66% of your energy costs. By installing energy meters on your machines you will be able to make better business decisions. For maximum efficiency and process optimization, you can connect EnergyMaster with the BMSvision MES-system PlantMaster.

- **Analysis of the entire plant**

Expand your knowledge by installing energy meters on utilities like compressors, pumps and chillers. This provides you with an overview of the entire energy flow of your plant.

- **Analysis of the different departments**

Install meters at strategic key points to measure energy consumption accurately across different departments or plants. This enables you to accurately map and measure your energy usage and allows you to exactly attribute the energy costs to the correct departments or plants.

This will give you a comprehensive overview of energy consumption and costs allowing you to make better decisions and efficiency improvements.

BMSvision
Empowering your productivity

Functions

Configuration

- Configure the structure of your plants and attach the installed measurement device.

- Connect energy meters regardless of the brand or type.

- Check in real time the status of the connected metering devices.

- Seamless data integration with other interfaces or devices such as ERP, MES and IoT servers.

Reporting

- Detailed trend analysis for every machine or consumer.

- Visualize energy flows with Sankey diagram.

- Correlate energy data with the production data and calculate the energy cost and carbon footprint per product.

Push notifications

- Push notifications in the shopfloor to create awareness of energy savings.

Peak shaving

- Peak shaving helps prevent penalties that some energy providers impose for exceeding specific power thresholds during designated time periods.
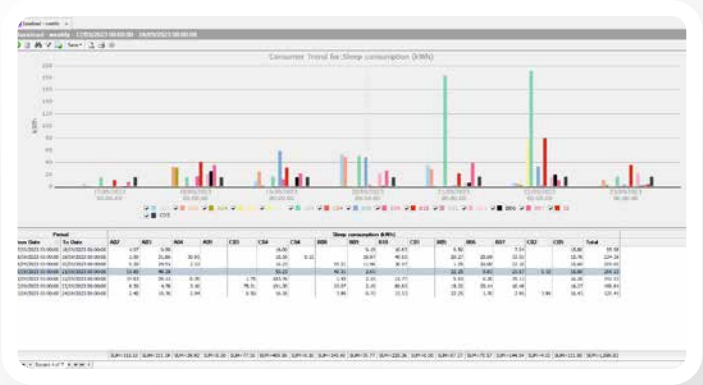
Knowledge base

- We simplify energy management for you and focus on improvement actions. This results in quick wins and correct EnPI's leading to a faster increase in energy efficiency.

Combine EnMS with MES for faster results

By aligning your Energy Management System (EnMS) with the data collected by the MES-system, your energy efficiency and operational excellence will improve faster.

- Benchmark machines/products.

- Trigger departments/plants to improve.

- Detailed trend analysis with energy, production and states of machine.

- Built-in analysis of sleep consumption.

Why BMSvision?

- MES experts since 1975.

- + 2000 installations worldwide.

- Innovation is part of our DNA.

Interested to know more?

Check out our website www.bmsvision.com or contact our experts via sales@bmsvision.

BMSvision

FSC

BMSvision

Empowering your productivity

BMSvision

sales@bmsvision.com

www.bmsvision.com

Belgium: +32 56 262 611

United States: +1 704 392 9371

United Kingdom: +44 1254 662 244

China: +86 512 8889 8800