

# BMSvision

Empowering your productivity



# EnergyMaster

Energy management system for the textiles industry



Reduce energy costs



Minimize eco impact



Enhance decision-making



Ensure regulatory compliance



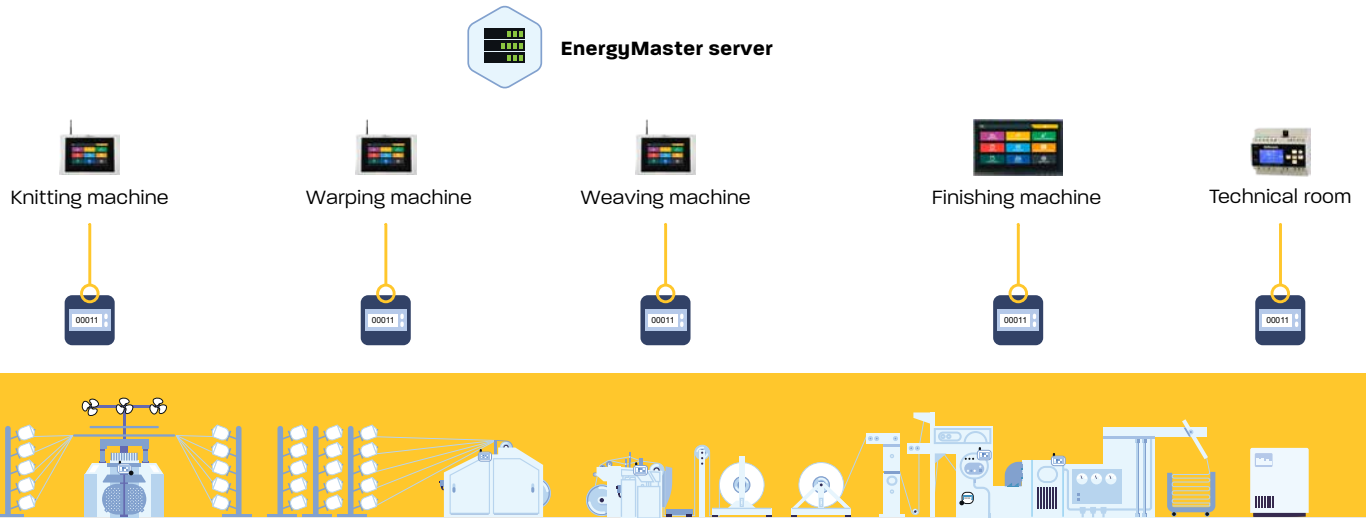
Create energy awareness

## 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



Connect energy metering devices to the EnergyMaster server, allowing for seamless integration with existing system.

## 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 typically accounts for a significant portion of the energy costs. By installing energy meters on your machines, you will be able to make more informed business decisions. For maximum efficiency and process optimization, you can connect EnergyMaster with the BMSvision MES system for textiles.

- **Analysis of the entire plant**

Expand your knowledge by installing energy meters on utilities such as compressors, pumps, chillers and ventilators. This approach provides a complete overview of your plant's entire energy flow.

- **Analysis of the different departments**

Install meters at key locations within different departments or plants. This approach allows for precise measurement and mapping of energy consumption and ensures that energy costs are correctly attributed to the appropriate departments or plants.

Each of these approaches helps you gain a comprehensive overview of energy consumption and costs, enabling better decision-making and efficiency improvements.



# Core functions

## Configuration

- Configure the structure of your plants and attach the installed measurement device.
- Connect energy meters regardless of the brand or type.
- Monitor the status of connected meters in real time.
- Seamlessly integrate data with other systems such as ERP, MES and IoT servers.

## Reporting

- Perform detailed trend analysis for every machine or energy consumer.
- Visualize energy flows with Sankey diagram.
- Correlate energy data with production data to calculate the energy cost and carbon footprint per product.

## Push notifications

- Push notifications on the shopfloor to promote energy-saving awareness.

## Peak shaving

- Prevent penalties by managing energy consumption during peak periods when some energy providers impose thresholds.

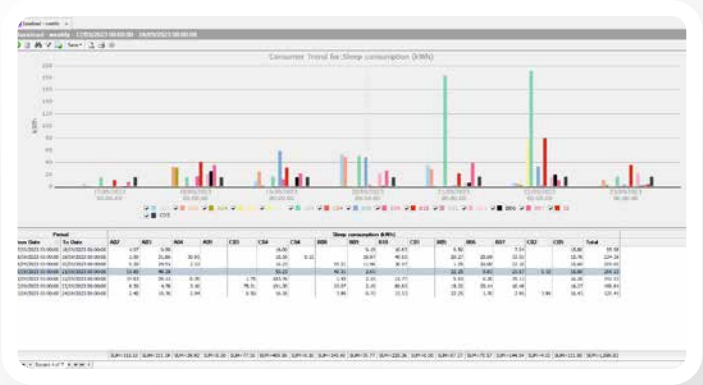
## Knowledge base

- We simplify energy management for you and focus on improvement actions. This approach leads to quick wins and correct EnPI's, leading to faster improvement 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, you can accelerate improvements in energy efficiency and operational excellence.

- Benchmark machines/products.
- Trigger departments/plants to improve.
- Detailed trend analysis with energy, production and machine state data.
- Benefit from built-in analysis of sleep consumption.



# BMSvision

Empowering your productivity

## BMSvision

[sales@bmsvision.com](mailto:sales@bmsvision.com)  
[www.bmsvision.com](http://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

