Energy Monitoring System for manufacturing companies

Quick and easy access to useful information
to monitor and optimize energy consumption

ANALYTICS
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Quick and easy access to useful information for monitoring energy consumption

Wonder how you can make real improvements in the field of energy saving and CO2 emissions? In order to do this, insight is of utmost importance. Manufacturing companies are feeling increasingly responsible to make an effort to limit CO2 emissions. At the same time, the current high energy prices are also motivating them to closely monitor the costs associated with energy consumption. Yet most manufacturing companies lack a simple solution to access relevant information. EMS offers that solution.

Energy Monitoring System provides insight into energy consumption down to the product level

The Energy Monitoring System (EMS) provides an automated link between energy consumption and production data. This provides insight into important KPI's such as energy and water consumption per quantity of product produced. Energy and water consumption are also linked to the process or plant modelling, providing insight into the consumption per installation or equipment.
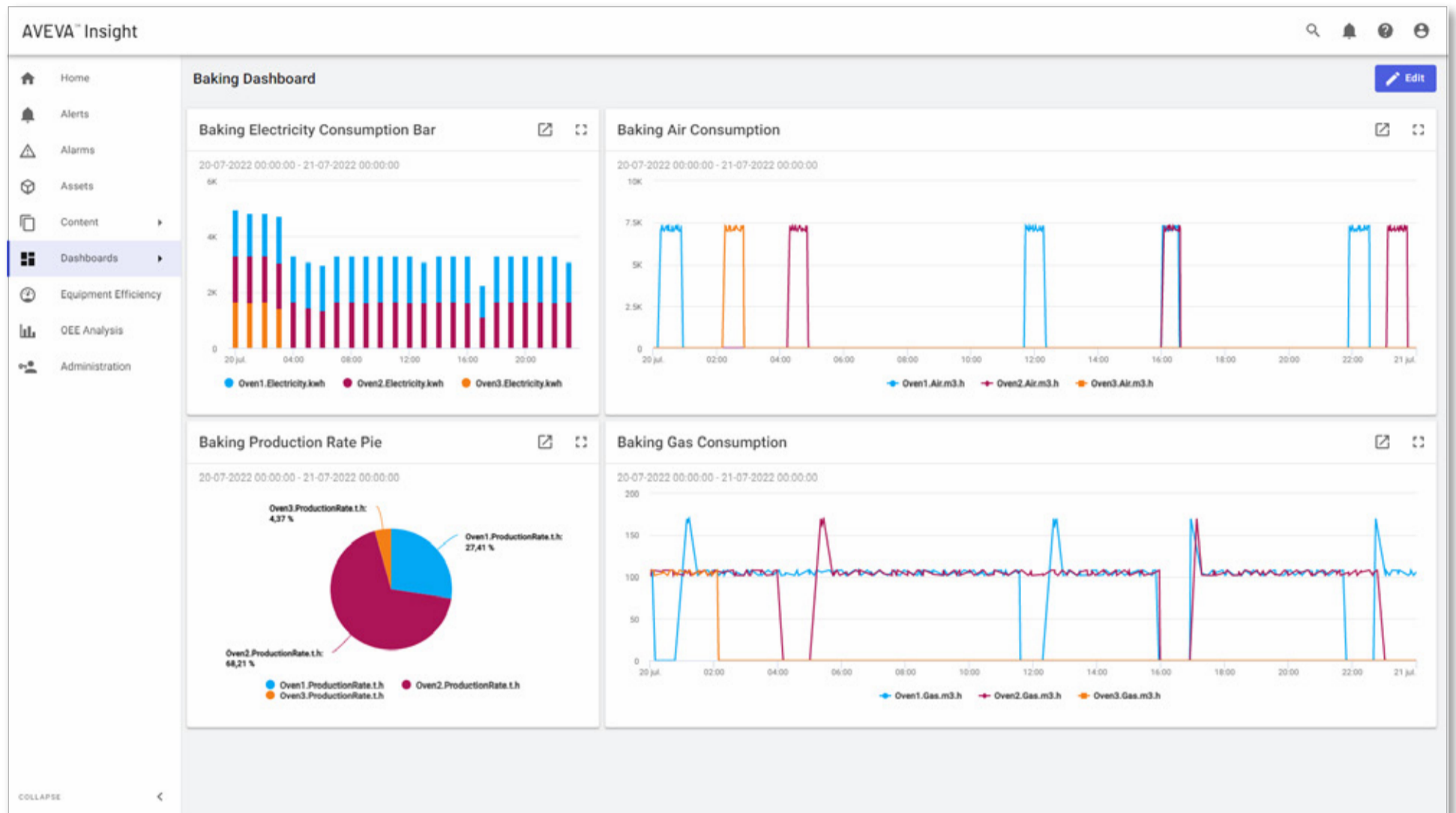
The EMS has user-friendly dashboards and self-service analysis possibilities. This allows users to gain insight into the consumption of the various energy and water flows throughout the organization. The information is available via native apps for iOS and Android or via your web browser.

Dashboard: Weekoverzicht Energie Monitoring

Detailed trend information for a detailed analysis

The self-service analysis capabilities include detailed trend views. In addition to aggregated KPI information, the Energy Monitoring System (EMS) also provides end-users with the ability to analyze real-time data at sensor level. The user-friendly interface makes it possible to carry out ad hoc analyses in an accessible manner.
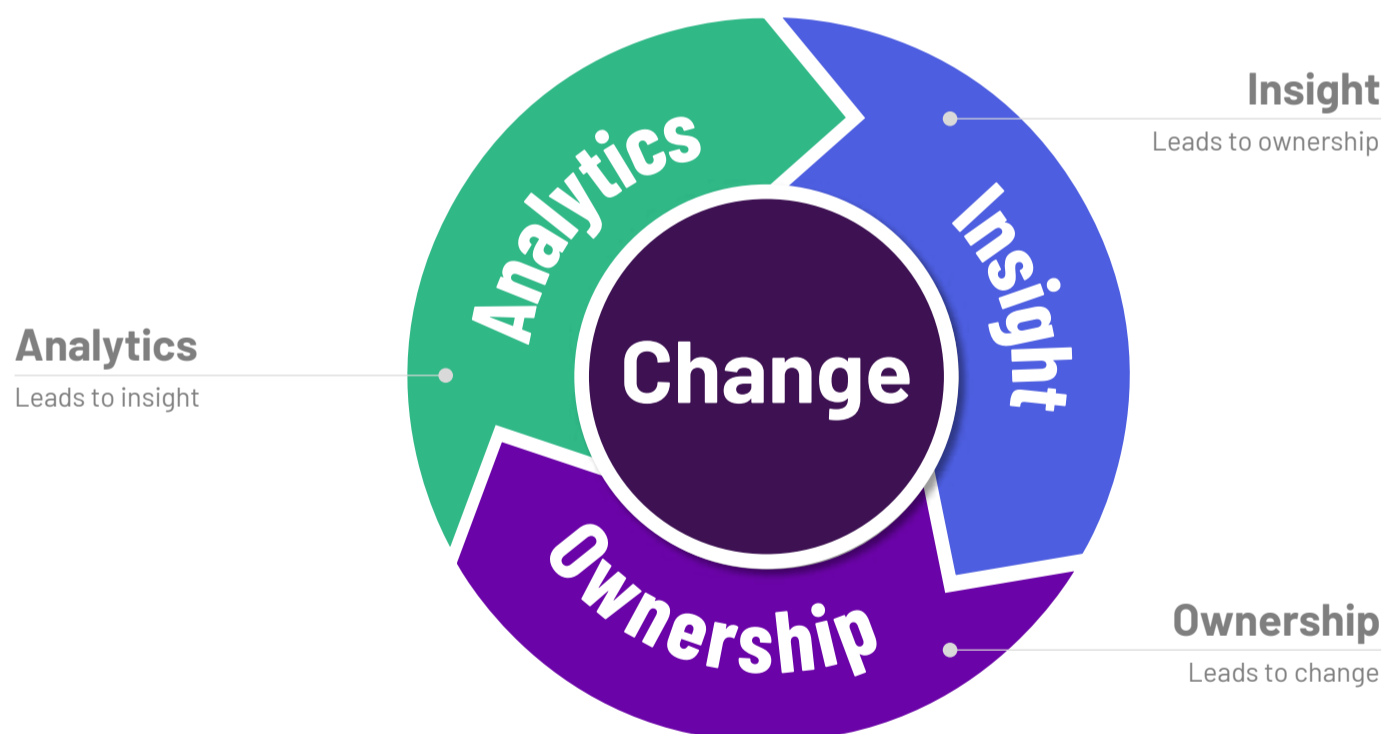

Voorbeeld data trending

Voorbeeld data trending

Added value of energy monitoring

- Potential reduction of CO2, energy use and production process associated costs.
- By linking energy consumption to process or plant modelling, information is available at any level of the organization over the desired period.
- Advanced benchmarking capabilities allow users to implement best-practices and explore where improvements can be made.
- A contextualized data set for self-service analysis enables employees to carry out analyses quickly and easily by themselves.
- Support for the following energy types: Water, Air, Gas, Electricity, and Steam.

Out of the Box Energy Monitoring without a lengthy implementation process

The EMS is based on standard software and a standard configuration. This makes it possible to access
" Out of the Box " information. It is possible to achieve results very quickly without a lengthy implementation process as soon as the consumption data is logged. This standardized method also makes it easy to add extensions.
Newly installed energy meters that are linked to the system are automatically visible within the user-friendly dashboards.
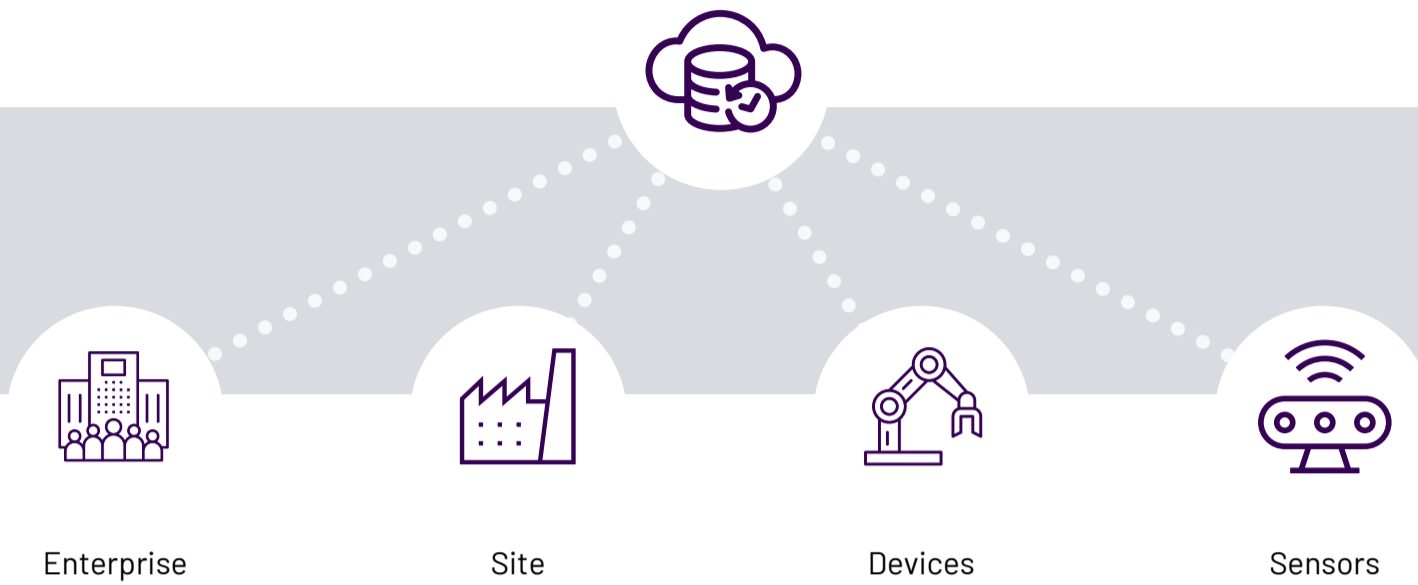

Insight
Leads to ownership

Analytics
Leads to insight

Ownership
Leads to change

Energy reduction requires ownership and a sense of responsibility.
*By starting to **analyze** consumption data today, employees will gain **insight**.*
*Insight subsequently leads to **ownership** and ownership leads to change.*
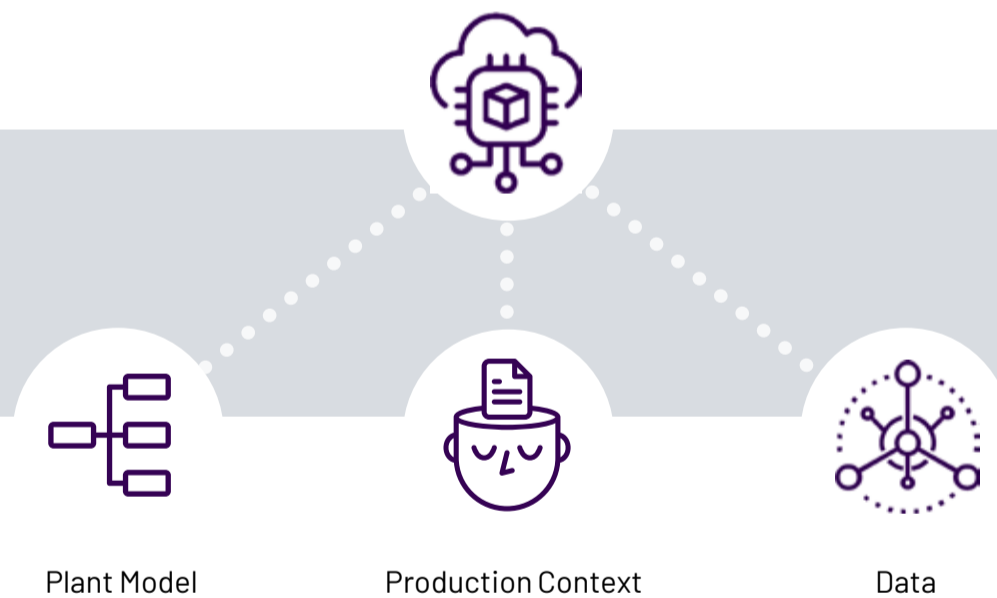
Flexible from sensor to corporate

Whether we are talking about the inclusion of data from existing industrial automation software or about connecting to an individual sensor: the EMS offers the solution. Via a rest-API, it is possible to easily establish this integration.

| Enterprise | Site | Devices | Sensors |

Energy consumption in context with production data

The power of the EMS lies in the smart linking of data. By linking consumption data to production data and process or plant modelling, it is possible to gain a complete insight into the consumption of energy and water throughout the factory. This insight is the first step towards taking targeted initiatives to stabilize and reduce energy consumption.

| Plant Model | Production Context | Data |

Want to know more about the Analytics for Industry Energy Monitoring System?

Contact us at info@analyticsforindustry.com

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