Industrial Process and Energy Analytics

robotron*IPEA

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ENERGY AND MACHINE DATA
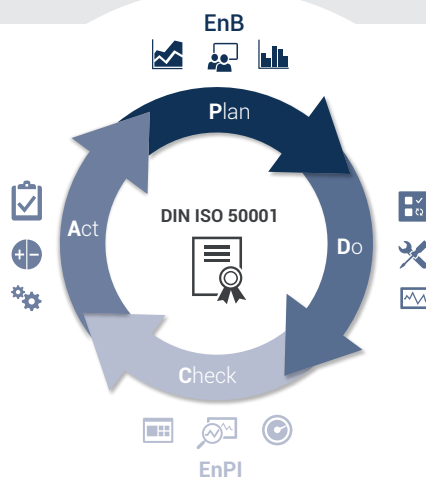## Linked for Condition Monitoring and Energy Analysis

robotron*IPEA (Industrial Process and Energy Analytics) enables you to take your first steps into Industry 4.0 and Industrial IoT with ease. The Big Data platform is an extremely flexible, versatile and always expandable data evaluation tool to increase process transparency, decrease production costs and increase efficiency. The two modules **Predictive Maintenance** and **ISO 50001 for Energy Management** can be used individually or in combination.

Condition Monitoring

▸ Identification of optimization potentials

▸ Reduction of maintenance costs and downtime rates through anomaly detection

▸ Increase of plant life and equipment availability

Energy Analysis

▸ Support of ISO 50000 family of standards

▸ Raise of energy efficiency and success monitoring of improvement actions

▸ Gain new insights by linking energy and machine data

Proven Range of Application

Semiconductor production

▸ Support of the SEMI equipment communication standard (SECS)

▸ Support of the generic equipment model (GEM)

▸ Integration of your database and file systems

▸ Export of KPIs and EnPIs to fab storage systems

Automotive Production

▸ Usage of measurement technologies

▸ Integration of existing production systems and further data sources (e.g. MES, SCADA, PLC)

▸ Retrofit of old equipment with field gateways and analysis in *robotron*IPEA*

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Industry-independent Areas of Application

The usage of *robotron*IPEA* is beneficial for all energy consumers. The analyses are feasible for every time series data. Therefore, you can analyze systems like compressors, hydraulic systems, ovens, heating and ventilation systems as well as transportation robots in your plant. All machines equipped with sensor technology can be analyzed with *robotron*IPEA*.

Are there any deviations from your production process? Our solution notifies you by e-mail in case of violations before critical events like a production stop. This enables you to counteract inefficient use of resources and unscheduled downtimes.

Do you want to evaluate your consumption and process data in a special way that is not provided with *robotron*IPEA* initially? Your are able to create dashboards with corresponding visualizations and reports that fit your needs based on our standardized Industry 4.0 data model using the analysis platform Splunk. *robotron*IPEA* runs on-premises or cloud-based.

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