

Transform your business with Industrial AI – powered by PSI

Intelligent Software for Powerful Industries

PSI's process control software products ensure sustainable energy supply and production by combining AI methods with industrially proven optimization processes.

Our smart solutions are easy to understand, explain and operate without requiring technical expertise.



Benefits

PSI customers achieve sustainable competitive advantages through the use of industrial artificial intelligence.

Our customers

- ... **continuously save time and costs**
- ... **optimize and automate routine processes**
- ... **increase productivity and efficiency**
- ... **improve sustainability**
- ... **make faster and better decisions**

Features

- Self-learning data preparation
- Powerful decision making
- Generic predictions
- Modern AI stack
- Machine learning
- KPI-based optimization
- Customized user concepts
- Web and cloud-capable products



10%

Cost savings



15%

Emissions reduction



20%

Productivity gains



Discrete Manufacturing

Sequence optimization: Improve the sequencing of production orders and operations based on order characteristics or production times.

Automatic image recognition: Identify and provide visual information for optimized production control with greater than 99% accuracy.

Predictive maintenance: Continuous analysis of plant data for automated maintenance recommendations and planning.



Grid and Energy Management

Energy savings in gas transport: Efficient fulfillment of gas supply contracts to reduce costs and CO₂ emissions.

Reliable energy trading forecasts: More accurate consumption and load forecasts for energy trading to optimize resource management.

Smart energy grid management: Forecasting grid loads and renewable feed-ins as the basis for predictive grid calculations.

Multi-criteria optimization: Time savings through decision support for the dispatcher, acceptance and explainable correlations for all subsequent processes.



Process Industry

Adaptive production planning: Production planning and detailed scheduling of metal processes through qualitative data labelling and KPI optimization.

Manufacture Execution: Material genealogy, prediction and prescription models ensure quality tracking throughout the product lifecycle.

Smart Digital twin: Virtual representation of the production processes required for the digital and sustainable transformation of the metals industry.



Logistics

Real-time baggage tracking: Real-time baggage tracking with high-resolution video surveillance for enhanced security and baggage management efficiency.

Optimized logistics processes: Analysis and derivation of optimized recommendations for warehouse processes based on a digital twin.

Get more information and book your individual appointment.

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