Manufacturer. Consultant. Implementer.

ERP + MES from manufacturing specialists

PSI
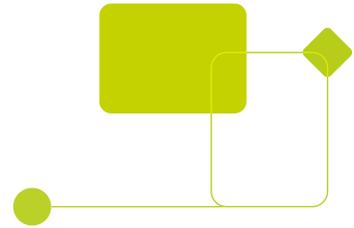
More than software

ERP and MES is just one side of the coin.

Every company is unique. We listen to our customers and firmly believe that the best ideas and intelligent solutions result from the exchange of ideas. We are specialists who share a strong passion for production with our customers.

Innovative ERP and MES software is just one side of the coin. A close exchange with our customer is much more important to us. PSI supports companies as an independent innovator on the way to their factory of the future.

Know-how + passion =
MAXIMUM SUCCESS
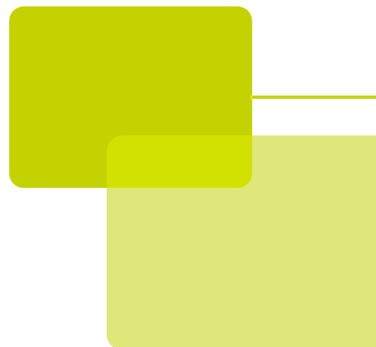
Know-how for production

Sophisticated solutions for your industry.

AUTOMOTIVE SUPPLIER

ELECTRONICS

VEHICLE MANUFACTURING

DEVICE AND EQUIPMENT MANUFACTURING

MACHINE AND PLANT ENGINEERING

TOOL MANUFACTURING

PLASTICS INDUSTRY
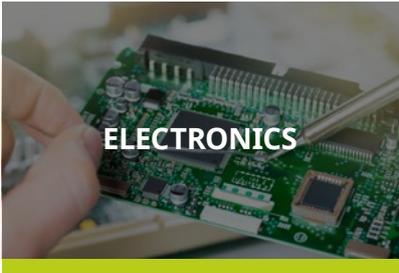
The best solution is working together as equals

A comprehensive approach incorporating all systems and processes.

Today, companies rely on ERP and MES systems that give optimum support to industry-specific processes and standards. But it is not just the ERP and MES components that are important. Companies also need to adopt a comprehensive approach that encompasses all systems and processes.

The Discrete Manufacturing business unit focuses on production and is firmly at home in the manufacturing industry. We optimize production facilities and processes with ERP + MES software that supports the entire value chain of mid-sized companies in the automotive, the mechanical engineering and plant construction sectors.

Enterprise Resource Planning

We provide customized solutions to support your business or industry-specific requirements.

PSIpenta is the ERP system that enables mid-sized manufacturing companies to realize their full potential. As an ERP provider for intelligent production, we combine deep industry knowledge with agile software to help our customers overcome their challenges.

Overview of the areas and modules in PSIpenta/ERP

- ✔ Purchasing & sales
- ✔ Accounting & controlling
- ✔ Production
- ✔ Logistics
- ✔ Project management
- ✔ Service management
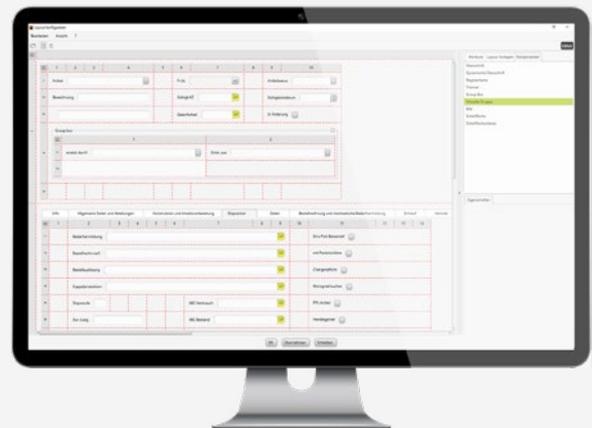
Figure: The PSI platform is based on Java technology and provides a powerful basis for PSIpenta.

We're here to help!

Want to learn more about ERP for intelligent production?
Please visit our website for more information:
www.psi.de/en/solutions/products/erp

Manufacturing Execution System

A workflow-based MES is the backbone of every company.

Want to get the most out of your production operations? PSI is the leading MES provider for mid-sized manufacturing companies. We would be happy to share our passion for production and our expertise with you.

Overview of PSIpenta/MES modules

- Order management &
- Sequence planning
- Resource management
- Material management
- Shop Floor management
- Quality management
- Performance analysis
- Workflow management
- Platform for production
- Worker assistance

Figure: Worker Assistance supports production employees in the workflow and includes diagrams and process-dependent procedures.

We know from experience: You can achieve maximum performance with an adaptable MES that allows you to easily adjust production processes without the need for programming.

Our processes are modeled in BPMN 2.0 and executed directly. This facilitates communication between specialist departments and the development team and significantly shortens development cycles.

Technology must adapt to people, not the other way around

Make your company fit for digitalization with PSI.

Tired of clicking through the overloaded views of your IT applications to get to the relevant screens? Things are different with the configuration options of PSI-Click-Design, which is based on the Java-based PSI Framework.

PSI has been successfully using robust artificial intelligence approaches in industry for decades. This supports decision-making in complex situations, automates processes and increases production efficiency.

Our promise

Powerful production platform
Highly available and scalable PSI Framework based on the latest Java technology.

A strong community
Customers benefit from the PSI Group's large development community.

Easy-to-learn development methodology & software basis
Extensive use of key industry standards.

„In the **first three months** alone, we were able to reduce our inventories by more than one million euros. This represents a **stock reduction** of 15% for the first product group and approximately 25% for the second product group."

Matthias Fick, Head Of Production & Logistics at Gemü Apparatebau

Does versatile production with rapidly adaptable processes sound like a fairy tale?

Workflow capabilities are currently experiencing a resurgence in ERP and MES systems.

A workflow changes the way companies work. They give companies the ability to become more agile while simplifying work for employees.

With PSIpenta MES, processes no longer require complex programming. Modeling is done in BPMN 2.0, which allows functions from different IT systems to be combined in a single user interface.

Our strengths – your benefits

- Reduce the burden on your IT departments
- Reduce the cost of external adjustments
- Join our customer community and have your say

Scan to find out how to customize ERP and MES interfaces.

„With PSIpenta we have our production under control. My employees are pleased with the degree of transparency in production.“

Yu Han, MES Project Manager in the Linde Engineering Division

200 Experts in production

We know and fully understand our customer's challenges and speak a common language.

PSI has played a key role in digitalization in Germany since 1969 and has successfully completed countless projects. Our secret: We are specialists and share a strong passion for manufacturing processes with our customers.

80% of PSI employees are engineers. For us, optimizing production is more than a matter of technology - we put our heart and soul into it. Our clear focus on production gives us the experience and knowledge you need to succeed in a competitive environment.

We are skilled innovators, attentive advisors and agile implementers. Let us work with you to design your perfect production process!

How we work

We listen, exchange ideas, optimize processes and initiate improvements.

COOPERATIVE INTELLIGENCE

Open exchange is the key to deeper understanding. Only when we bring together knowledge, experience and skills can new ideas emerge. We know that successful software projects are not a one-way street, but the result of agile teamwork. That's why we believe that the best solution for your production facility can only be achieved by working together as equals.

AGILE INNOVATORS

If you want to make progress, you first need to listen carefully. Your knowledge of your company's specifics and processes is worth its weight in gold. But often, an outside perspective can bring new ideas to light. We combine your knowledge with our expertise in all aspects of production to help you achieve your maximum production potential.

MORE THAN SOFTWARE

Software projects are always an opportunity to optimize processes and drive improvements. That's why we pride ourselves not only on our excellent ERP and MES Software, but also on our highly competent consulting and in-depth knowledge transfer - always on an equal footing. We find a customized solution for every challenge.

Business Unit Discrete Manufacturing

Stories of a famous nut, specialist area 25 and the mother of all production planning systems.

In 1969, four former AEG engineers founded a company in Berlin with a share capital of DM 21,000, which is today one of the largest software houses in Germany: PSI Software SE. The founding idea - to create high-performance IT solutions for demanding processes - is still the basis for all business units, including the Discrete Manufacturing business unit.

We are passionate about developing powerful ERP-MES solutions for manufacturing companies. Together, we have celebrated successes large and small, survived many a crisis and experienced much more that will be remembered.

1969

FOUNDING OF PSI GMBH

by former AEG employees: Wolfgang Dedner, Dietrich Jaeschke (†), Franz Mailänder, Paul Kruse (†), Winfried Gerresheim and Helmut Scharle

"It is a source of pride to work for a company whose founders were driven by an idea that still drives all business units today: To create high-performance IT solutions for demanding processes. With impressive continuity, the reliability of the solutions and customer loyalty are the top priorities. I have been able to experience this for more than 25 years - first as an employee of a customer and later as a PSI colleague.

Karl Tröger, Business Development Manager

1980

ESTABLISHMENT OF AUTONOMOUS DEPARTMENTS

"Only the old-timers may know that 1980 was the inception of the Discrete Manufacturing business unit. That was the year that the autonomous business units within PSI were created. One of them was Department 25, which focused on the development of software for production control technology and production control.

Rainer Kämpfe, retired PSI colleague

1986

MARKET LAUNCH
PPS SYSTEM PIUSS-O
Forerunner of PSIpenta/ERP

> PIUSS-O was the very first standard product for production planning and control. It is therefore fair to say that it is the mother of all production planning systems.
>
> Mathias Kulbe, former Head of Development

FOUNDING OF THE IPA
Interest group of PIUSS-O and later PSIpenta users (IPA)

> Many people tend to think of user communities as a recent phenomenon. However, the IPA has been meeting for over four decades at regional events and traditionally at the annual IPA conference.
> Perhaps our customers and we were a little ahead of our time, as the user community has existed since the market launch of PUSS-O in the mid-1980s.
>
> Dr. Dagmar Mahrwald, retired PSI colleague

1991

FOUNDING OF GSI MBH
Development of detailed planning tools and MES solution modules

> I still remember the turbulent times of reunification, when the dissolution of the GDR Academy of Sciences was imminent and the work on a production control center in the field of "Computer Science in Design and Production" was in jeopardy. Together with PSI, the team pushed ahead with the founding of GSI - a first step into a new world for me. Since then, MES and ERP have moved closer and closer together - until 2011, when GSI was fully integrated into what was then PSIpenta.
>
> Elena Günzler, Product Manager MES

1997

NEW COMPANY HEADQUARTERS
PSI moves into its new headquarters to Berlin-Mitte

SPIN-OFF OF PSIPENTA SOFTWARE SYSTEMS GMBH

> " 1997 marked a major milestone, and of course I am referring to the spin-off of PSIPENTA. But as head of development, I also immediately think of the purchase of Shark - a high-end storage system also known as the IBM DS 8000. PSI was one of three German companies that owned a Shark. It was a real hit.
>
> Mathias Kulbe, former Head of Development "

1998

INTRODUCTION OF THE NEW PSI LOGO
The walnut as a symbol of the core processes of PSI customers

> " The turn of the millennium was a crazy time: First the IPO and the orders coming in by the minute - then the bursting of the dot-com bubble and the struggle to survive: Giving up vacation time, taking a pay cut, volunteering to share a job to save a colleague from un-employment. It was a difficult time for us, as it was for many customers and ERP competitors, and not everyone survived. That fact, and more importantly how we handled it, has made us stronger both internally and externally.
>
> Doreen Szezina, Team Leader Competence Center Finance & Business Intelligence "

IPO OF PSI AG

2004

INTERNATIONALIZATION
Including locations in Poznan (PL), Shanghai and Beijing (CHN)

2009

DEVELOPMENT OF THE GROUP-WIDE TECHNOLOGY PLATFORM PJF

2011

ROLL-OUT OF THE PJF TECHNOLOGY PLATFORM

> "For the end customer, this platform offers the advantage of being able to set up harmonized methods and gradually pick up and integrate individual processes - with processes from different PSI units. This means that at some point, users will no longer be able to tell which suppliers they are actually working with in detail. They will simply see individual services working together in an integrated manner. For us, this is the future."
>
> René Meevissen, Head of Research and Development

2015

PIONEER IN INDUSTRY 4.0
Realization of innovative Industry 4.0 swarm production concepts

2016

CHANGE OF NAME TO PSI AUTOMOTIVE & INDUSTRY GMBH

2022

25TH COMPANY ANNIVERSARY

> "Production-oriented and user-friendly, platform-independent and cloud-capable, flexibly modulable and expandable with powerful AI components: That's PSIpenta when I look into the near future. Much of this has already been implemented. We look forward to reaching further milestones and continuing to write our story."
>
> Dr. Herbert Hadler, Executive Vice President

2024

MERGER OF PSI AUTOMOTIVE & INDUSTRY GMBH INTO PSI SOFTWARE SE
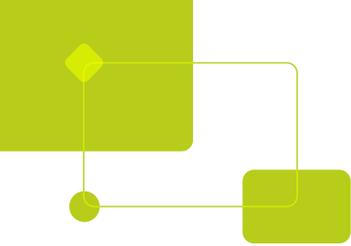
PSI software for optimizing flows of energy and materials

We stand for security and stability.

As part of PSI Software SE, which has more than 2250 employees and an annual turn-over of approximately 250 million euros, we stand for security and stability. The PSI Group develops and integrates complete solutions based on its own software products for the optimization of energy and material flows for suppliers and industrial users.

ENERGY MANAGEMENT

Process control and monitoring of network infrastructures for energy suppliers and transportation companies:

- Intelligent network management
- Smart mobility
- Efficient energy trading

PRODUCTION MANAGEMENT

Software for production planning and control, logistics and optimization in industrial companies:

- Optimized use of resources
- Increased profitability
- Sustainable environmental compatibility

Our complete solution

Software for AI, ERP, MES, WMS and SCADA.

The Discrete Manufacturing business unit rounds out its portfolio with integrated solutions for the entire value chain, from logistics to manufacturing to after-sales service. The best AI, ERP, MES, WMS and SCADA software is available.

PSI Logistics provides intelligent solutions for transparent material flows and efficient logistics management.

AI software for decision support, planning, control and optimization of complex business processes from **PSI Software SE** - multi-criteria, industry-independent and in real-time.

The **Grid & Energy Management business unit** enables the holistic integration and design of all work processes, from asset management and work preparation to on-site installation.

IMPRESSUM

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