Software for Logistics Industry Leaders

Warehouse Management   Transport Management   Supply Chain Management   Airport Systems

PSI

PSI Logistics: A leader in innovation and technology

For more than 45 years, PSI has focused on the development of comprehensive software systems for transparent material flows and efficient logistics management. Optimising the use of resources and enhancing quality and efficiency lies at the heart of our software products.

A direct exchange of ideas with our customers, for example during the PSI Logistics Day, provides us with valuable suggestions for the further development of our products. As an innovation driver and technology leader, we work closely with leading partners from science, research and industry. This enables us to quickly decide which requirements our systems need to fulfil.

The result is continuous product releases, which give rise to innovative and user-friendly state-of-the-art software to prepare for the demands of digitalisation. Our software products guarantee our customers maximum competitiveness, return on investment and technological independence.

More than 45 years of software expertise.

PSI Logistics GmbH is a subsidiary of PSI AG, which brings together the logistics expertise gathered within the PSI Group over 45 years.

The technology transfer and backing of a publicly-traded Group with sites around the world not only offers our customers a guaranteed return on investment, but also high quality standards and comprehensive IT security.

Therefore, PSI's own quality management process is certified according to ISO 9001 and secure handling of data and information according to ISO 27001.

In 2016, we were awarded the TOP 100 Innovation Prize for German SMEs for our excellent climate for innovation and our internal innovation process. In just one year, we were able to implement 150 suggestions for improvement made by our customers and employees.

+

PSI AG
Information technology products and systems
Focus on energy, production and infrastructure management

+ Founded in 1969
+ €183.7 million turnover in 2015
+ Approx. 1,650 employees worldwide
+ Customers on every continent
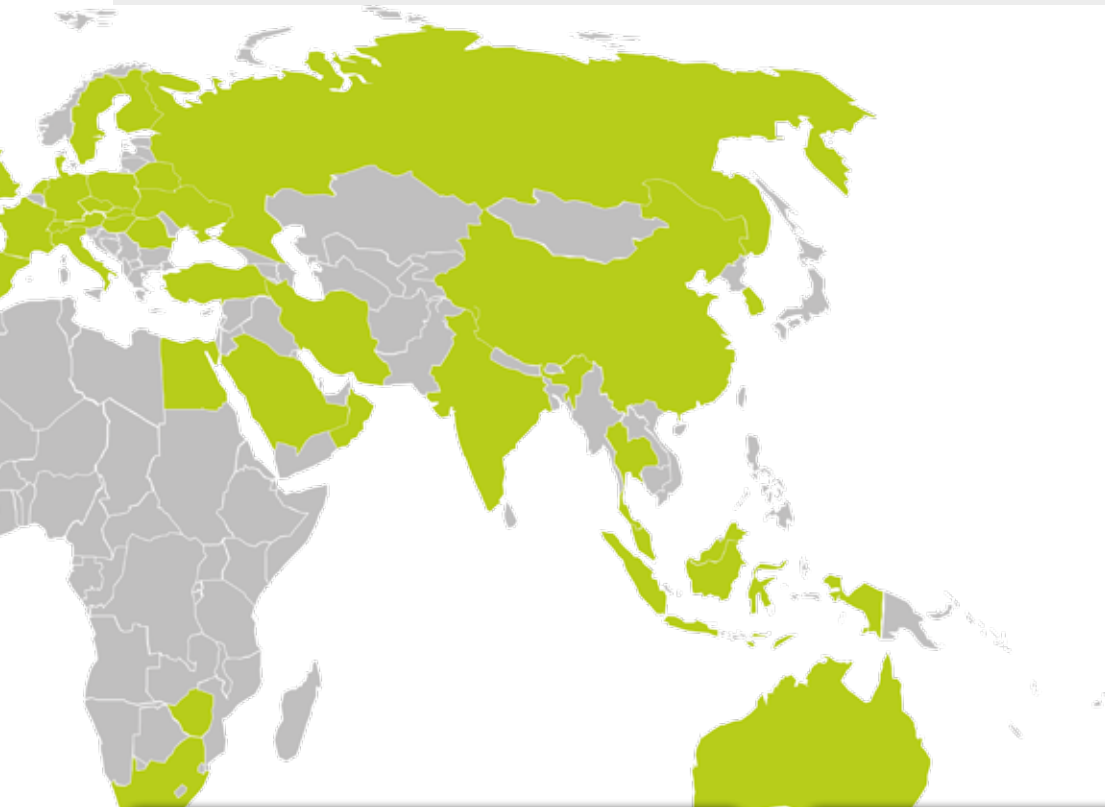+ 11 German and 19 international sites in Europe, Asia, North and South America

PSI Logistics GmbH
Software for operators and users of logistics networks
Systems for Airport Management, Transport Management, Warehouse Management and Supply Chain Management

+ Founded from PSI AG in 2001
+ 100% subsidiary of PSI AG
+ €11.7 million turnover in 2015
+ 3 sites in Germany and 1 site each in Russia and Poland

Certified

ISO 27001
TÜV SÜD
ISO 9001

Awarded

TOP 100
Top-Innovator 2016

Powerful partners for logistics.

We are providers of logistics software and services, which companies of any size and in more than 15 sectors can use to shape their logistics processes efficiently and flexibly. As an independent software provider, we develop customised solutions based on our products for our customers around the world.

120+
employees

8+
employee nationalities

36+
customer countries

10 K
users worldwide

165+
installations worldwide

85+
press reports in 2015

+

Our mission:
We sustainably improve our customers' logistics processes by keeping close contact with them, constantly developing our software products and integrating innovations into our products.

Our values

Innovation and technology

We are leaders in innovation and technology, and want to help our customers to optimise their logistics with every product and release that we bring to market.

Responsibility

We are an international company which is aware of its social responsibility, is creative, values diversity, and treats and compensates employees fairly.

Partnerships

We strongly believe in beneficial and long-term partnerships on both sides, based on support, honesty, trust and commitment.

Expertise and quality

We are well-structured, process-oriented, flexible and dedicated to continually achieving outstanding results.

Flexibility and customer orientation

Our work focuses on the customer: We constantly improve quality and offer stable software solutions, problem-free interface links, simple user interfaces and flexible configuration options. We want to offer maximum benefit to our customers and to exceed their expectations.

Reasons to choose PSI software.

We offer outstanding software products to our customers. The products are the end result of all our experience. We constantly develop our standard solutions and adapt them to current needs.

PSI uses the successful four-phase model in the innovation process. This means that we work closely with industry-leading pilot customers in the start phase, to guarantee that customers see the benefit right from the start.

Our involvement in research projects and cross-sector committees provides us with the global perspective needed to meet the needs of tomorrow.

Process optimising

In almost all optimisation processes, PSI goes far beyond standard market processes which are frequently simplistic. PSI often expertly combines several processes and models. Business process goals are expressed as multi-criteria or even high-criteria key indicator systems with high reproduction fidelity, balanced to suit the situation and highly optimised. As a customer using this advanced software, you can gain a long-term advantage over competitors in your markets through efficiency, flexibility, quality and security, and therefore ensure growing business success.

Scalable and real-time

Our scalable, flexible and integrated software products are also particularly suitable for large volumes. You can capture and process huge quantities of data in real time, and at the same time allow access to many users. Customers can add onto their PSI software at any time with in-memory real-time databases and Java cluster technology, and integrate into legacy or third-party systems via EAI software buses.

High availability

PSI systems deliver up to 99.999% availability according to the application needs, e.g. need for extremely high availability of the power supply management system. Alongside standard market processes such as cold and hot standby servers, we have also created unique virtualisation with n-times redundancy of all communications, process interface and data processing equipment – even via several central points and contingency sites.

Safe investment

PSI offers long-term return on investment as a technologically and financially independent, and leading-edge software manufacturer. For more than 45 years, we have delivered regular updates, comprehensive services and maintenance to our customers. Ongoing development of software products in the form of security updates and functionality upgrades ensure that software is adapted to future requirements. Use of successful open standards such as Java™, Eclipse and Linux™, provision of integration tools such as EAI tools, script languages, software buses and portals, as well as certified integration with legacy standards, also allow in-house or third-party software to be permanently integrated.
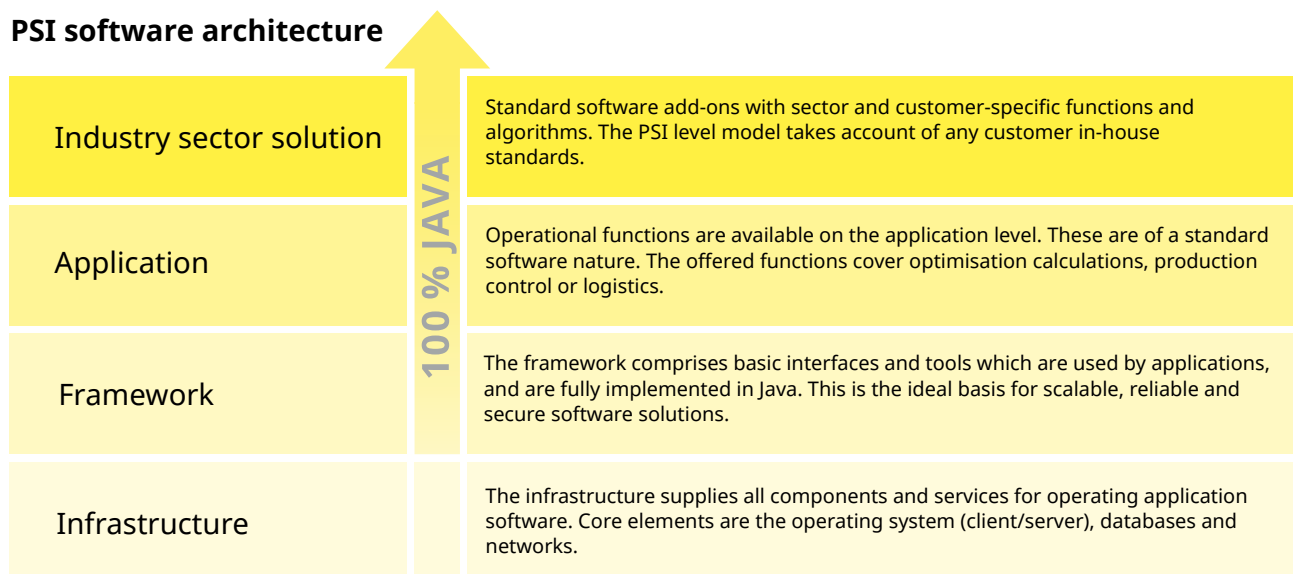
Our software's strengths

The high-availability, scalable framework based on current Java technology forms the common high-performance platform for all PSI products.

Based on model-driven software development, PSI relies on global standards to reduce reliance on technology cycles. The software can be adapted quickly and flexibly to meet customer needs through a cutting-edge user interface and scores of productivity enhancements.

The new **PSI Click Design** offers fully-customisable user interfaces and a new dimension of configurability. Depending on the profile, users can create new screens and views using an intuitive graphic editor. This can be used to easily adapt menus, lists and tables, detail views and composition of complex dialogues for the operating time via drag & drop, and to save these in profiles. This reduces costs for customer-specific modifications (cost of change).

PSI software architecture

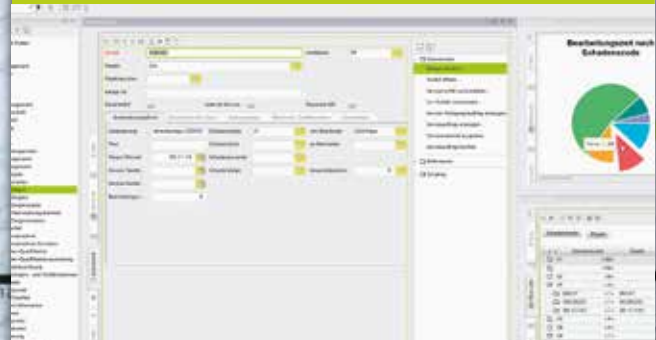|	100 % JAVA	
Industry sector solution		Standard software add-ons with sector and customer-specific functions and algorithms. The PSI level model takes account of any customer in-house standards.
Application		Operational functions are available on the application level. These are of a standard software nature. The offered functions cover optimisation calculations, production control or logistics.
Framework		The framework comprises basic interfaces and tools which are used by applications, and are fully implemented in Java. This is the ideal basis for scalable, reliable and secure software solutions.
Infrastructure		The infrastructure supplies all components and services for operating application software. Core elements are the operating system (client/server), databases and networks.

Real-time capability and high availability

PSI solutions were developed for real-time and reliable management, and optimisation of critical business processes.

+ High availability cluster
+ High fault tolerance
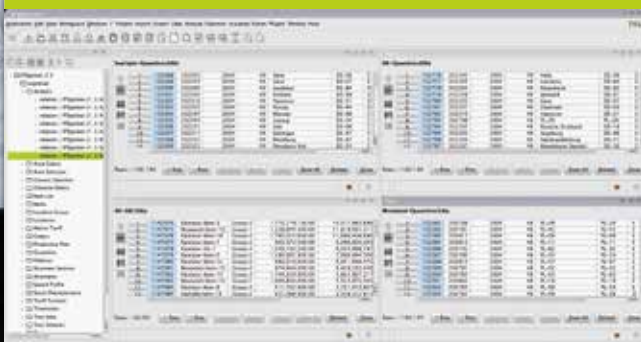+ Redundant process interface
+ Business-critical 24/7 applications

User-friendly

Leading-edge, intuitive user interfaces provide for an easy learning curve and quick mastering of complex relationships.

+ Configurable, personalised layouts
+ Support for mobile end devices and innovative operating concepts
+ 2D/3D visualisation of structures and relationships such as systems and networks

Based on cutting-edge technology

PSI uses the latest software technology and relies on global industry standards which ensure that the system is future-proof.

+ Multi-layered client server architectures
+ Model-based architecture for easy modification and add-ons with Eclipse Modelling Framework (EMF)
+ Supports different operating systems and databases
+ Based on current Java technology

A variety of options and functions

The standard version already contains extensive functions which can be expanded by the open system architecture.

+ Workflow management using process models for high productivity
+ Extensive range of interfaces and standard services
+ Integration of project-specific add-ons without re-building the system
+ Configurability with PSI Click Design

Holistic solutions for your company's success.

All our products have a modular structure and can be configured according to the project. They can be expanded individually and thanks to standardised interfaces can be easily integrated into your IT system landscape to meet increasing demands.
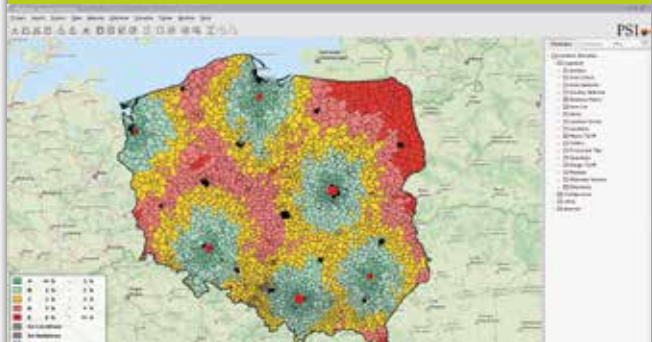
PSI*wms* – Warehouse management

PSI*wms* is a **warehouse management system** for the planning, control and optimisation of logistics centres. The system provides you with comprehensive warehouse management, as well as visualisation of all processes involved in your intralogistics.

Extract from performance features:

+ Warehouse service broker
+ Adaptive scenario management
+ Empty run optimisation by means of fuzzy logic
+ Rule bases for warehousing and removal strategies
+ Mobile control room MyCockpit
+ Dock and slot management
+ Process-based warehouse visualisation
+ Customisable drill-down cockpit
+ Consignee visualisation using OpenStreetMap
+ Modelling on a dialogue level or offline
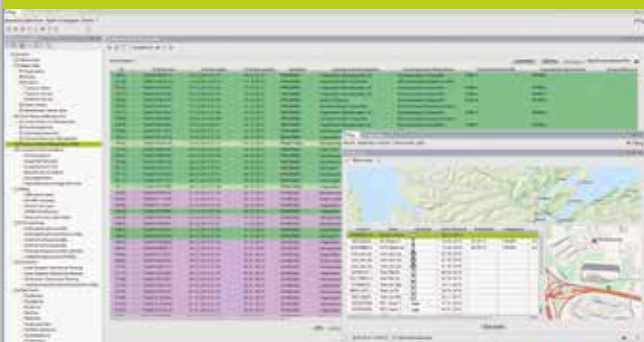
PSI*global* – Supply Chain Management

PSI*global* acts as a strategic instrument to increase performance and reduce costs in logistics networks and the supply chains. Complex issues can be professionally solved by the user himself.

Extract from performance features:

+ Merging of all planning-related data into one system
+ Comprehensive analysis and evaluation methods for existing or planned logistics structures
+ Forecast generator for creating virtual future scenarios
+ Mapping of multimodal transport chains
+ Service provider selection through tendering
+ Calculation of optimal logistics service provider mix

PSI*tms* – Transport management

PSI*tms* supports postal and courier, express and parcel services in planning, management, invoicing and analysis of transport networks with the objective of creating efficient and predictive logistics planning.

Extract from performance features:

+ Order/service provider management
+ Material planning
+ Track & Trace
+ TMS Cloud

PSI*airport* – Airport systems

With our PSI*airport* solutions for passenger and baggage reconciliation, we provide comprehensive system, network and complete solutions to airports, airlines and ground handlers – from planning to service.

Extract from performance features:

+ Baggage Handling System
+ Self Bag Drop
+ Baggage Reconciliation System
+ Infrastructure and services

PSI*tms* – Tender management

With PSI tender management, you can calculate and respond to substantial tenders quickly and easily. The basis for preparing the bid is a stored transport network including sites, relations and costs, as well as customer shipment structures.

Extract from performance features:

+ Central storage of all data and cost structures
+ Import of customer-specific shipment structures
+ Simulated calculation for reviewing and varying fees in the bid
+ Visualisation in the form of graphs
+ Authorisation procedures
+ Integration of add alternates
+ Feed actual shipment data into the bid calculation
+ Archiving of calculations for comparing price trends

+

All our products are 100 % releasable - regardless of the degree of customisation.

+

Around 12% of our turnover is pumped into R&D each year.

+

Our experienced employees provide long-term support to our customers. This provides for a high-quality solution.

Comprehensive service for all products

We offer comprehensive services to guarantee that our software products run smoothly. Alongside determining, analysing and implementing technical requirements, our experienced project managers provide intensive support throughout the implementation process, during migration of old data, and during company-wide rollout. Expert training for users, programmers and partners guarantees application reliability.

Our customers also benefit from regular updates and comprehensive maintenance. Ongoing development of software products in the form of updates and upgrades ensure that software is adapted to best meet future requirements.

Our products are mobile, whether cockpit, navigation, scanning or locating. PSI Logistics software also comes as a mobile service solution.

Prestigious companies trust our solutions.

hellmann Worldwide Logistics

Köln Bonn Airport

WE WÜRTH ELEKTRONIK

STUTE Logistics. Solutions. Worldwide.

KUEHNE+NAGEL

ALDI

Hamburg Airport

LuK INA FAG SCHAEFFLER GROUP

HUETTEMANN GROUP

Intersnack

DIE POST

Prague Airport

HILTI

AIRBUS

VIE Vienna International Airport

GÖRTZ

KÄRCHER

Flughafen Stuttgart

Palletways

CLAAS

"PSItms Tender Management is a calculation tool, with which we cover almost all customer-specific variables alongside the standard and in-house rates. The more complex the request, the more time we save."

Marco Nowak
Project Manager Business & IS Solutions,
Hellmann Worldwide Logistics

"In order for us to realise our vision of constant logistics network optimisation, and primary optimisation goals which have a direct impact on logistics, we need support from high-performance software. This is exactly what PSIglobal has given us."

Jeffrey Hipp
Supply Chain Director Intersnack Group,
Intersnack Group GmbH & Co. KG

"There is no other software in use here which is as stable and reliable as PSIwms."

Andreas Lorenz
Managing Director, Huettemann Group

"With the expertise of our partner, PSI Logistics, we also have the potential to implement optimised systems for our processes in future."

Claus Rosenboom
Facility Manager, Conveying Systems, Flughafen Hamburg GmbH

Further information

Due to the huge amount of detail in our products, not all of our products are shown in full in this company brochure.

Please contact us for detailed information on the product that you are interested in. Our website is the first port of call for more information:
www.psilogistics.com

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Software for Logistics Industry Leaders

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