PSI Logistics Suite

Software for Logistics Industry Leaders

Warehouse Management   Transport Management   Supply Chain Network Design   Airport Systems

PSI

PSI Logistics:
A leader in innovation and technology

PSI has focused on the development of comprehensive software systems for transparent material flows and efficient logistics management for more than 50 years. 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.
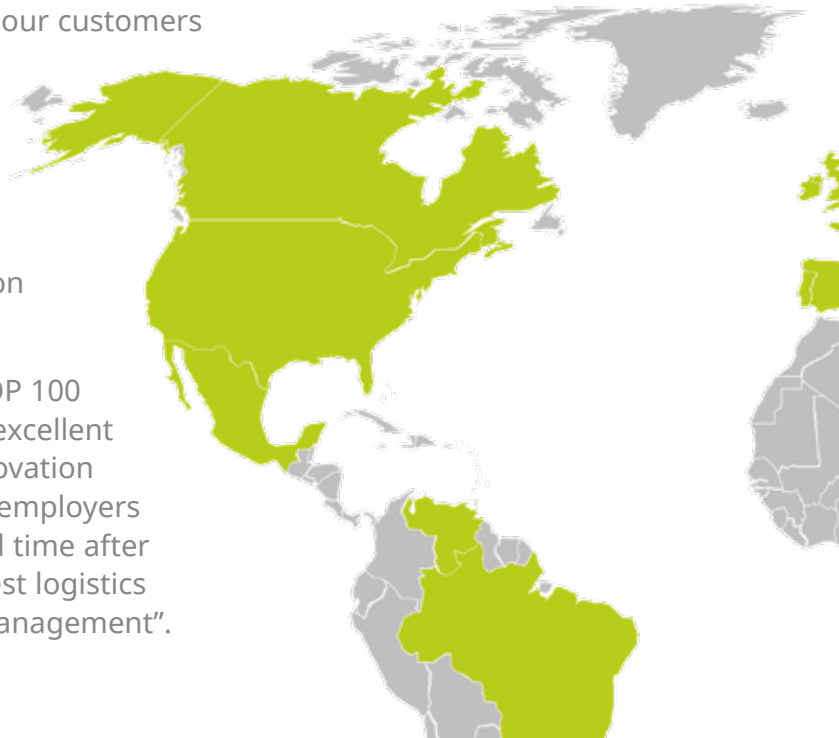
50 years of software expertise.

PSI Logistics GmbH is a subsidiary of PSI Software AG, which brings together the logistics expertise gathered within the PSI Group over 50 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 accordingto ISO 9001 and secure handling of data and information according to ISO 27001.

In 2016 and 2019, we were awarded the TOP 100 Innovation Prize for German SMEs for our excellent climate for innovation and our internal innovation process. Since 2019, we are one of the top employers in the DACH region. In 2020, for the second time after 2017, we were awarded 3rd place as the best logistics brand in the category "IT for Warehouse Management".

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PSI Software AG
Software for Utilities and Industry
Focus on energy and production management

+ Founded in 1969
+ €217,8 million turnover in 2020
+ 2,150+ employees worldwide
+ Customers on every continent
+ Validated locations in Europe, Asia, North and South America

PSI Logistics GmbH

Software for Logistics Industry Leaders

Systems for Airport Management, Transport Management, Warehouse Management and Supply Chain Network Design

+ Founded from PSI Software AG in 2001
+ 100% subsidiary of PSI Software AG
+ €19 million turnover in 2020
+ 3 sites in Germany (Berlin, Aschaffenburg, Dortmund) and 1 site each in Russia (Moscow) and Poland (Poznan)

Certified

TÜV SÜD
ISO 9001

TÜV SÜD
ISO 27001

www.tuev-sued.de/ms-zert

Awarded

TOP 100
top100.de
Top-Innovator
2019

LOGISTIK HEUTE BVL
3rd Place
IT for Warehouse Management
BEST LOGISTICS BRAND 2020
PSIwms

WirtschaftsWoche
Digitale Pioniere
Mittelstand
2020
PSI Logistics
Im Vergleich: 4.000 Unternehmen
Partner: Munich Strategy
Ausgabe 47/2020

FOCUS
TOP
ARBEITGEBER MITTELSTAND
2022

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.

220+ employees	**12+** employee nationalities	**38+** customer countries
11 K users worldwide	**300+** installations worldwide	**150+** press reports in 2020

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Our mission:
It is our mission to improve logistics processes of our customers. We lead the way: we show how better technology and sustainable solutions can be reached.

Our values

Economic

The goal of our company is to play a decisive role in shaping the digital future of our target industries (airport, automotive, omnichannel, production & spare parts, logistics service providers, metal industry, CEP service providers) in Europe, Russia and the ASEAN states and thus to secure the long-term increase in our corporate value.

Customer-oriented

Customers and their needs are the centre of all our actions. We convince with our modern software systems and their high reliability, individuality, quality and data security. In a rapidly changing business environment we actively observe the needs of our customers.

Responsible

We are committed to social responsibility and act in an environmentally friendly manner. Integrity and exemplary actions are an integral part of our daily business.

Open-minded

We encourage a willingness to learn and the courage to question ourselves and to improve continuously. We achieve this through an open corporate culture and participation in the success of the company. Thanks to our innovations, new digital business models and environmentally friendly logistics processes can be created.

Partnership

We work across functional and departmental boundaries to achieve our common goals. We see the satisfaction of our employees as a prerequisite for entrepreneurial success. We work intensively with universities, associations and international partners.

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.
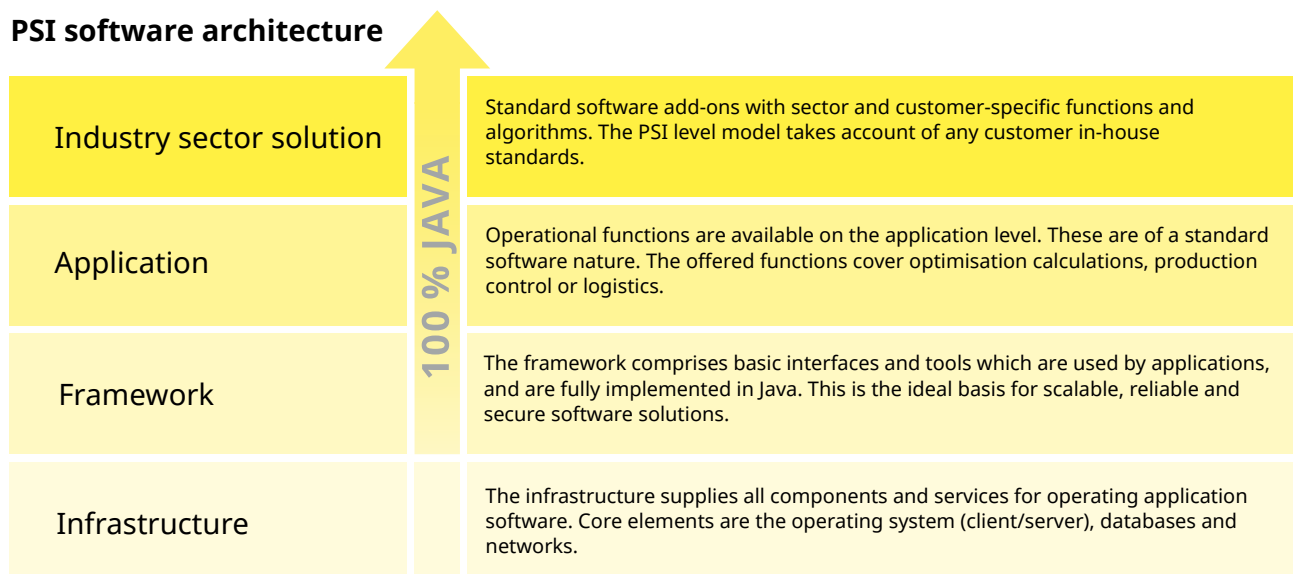
Our software's strengths

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

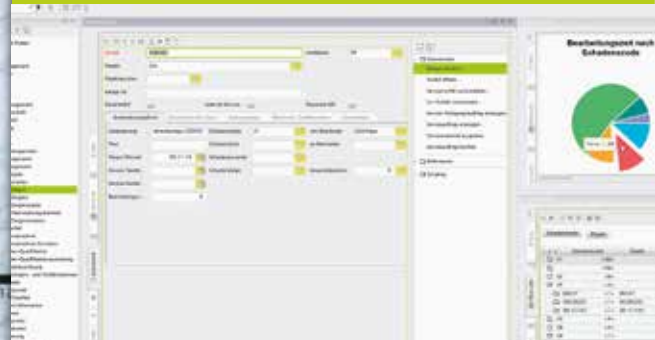| Layer	100 % JAVA	Description
Industry sector solution		Standard software add-ons with sector and customer-specific functions and algorithms. The PSI level model takes account of any customer in-house standards.
Application		Operational functions are available on the application level. These are of 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
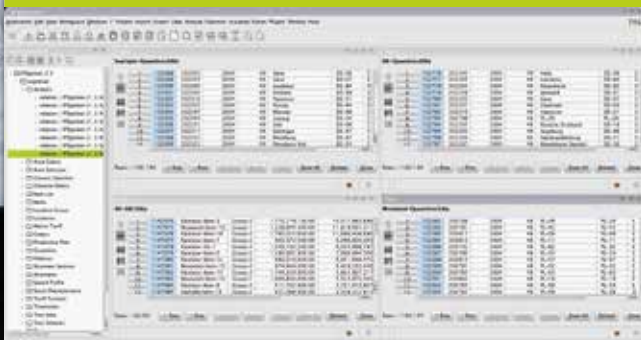+ Redundant process interface
+ Business-critical 24/7 applications

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.
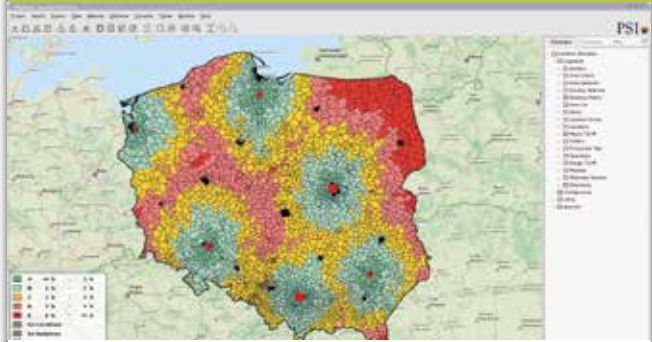
PSIwms – Warehouse Management

PSIwms 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**
+ **Support of MS SQL Server**
+ **Efficient material and replenishment management for Kanban production (e-Kanban)**
+ **Tracking/monitoring of vehicles and/or containers/goods**
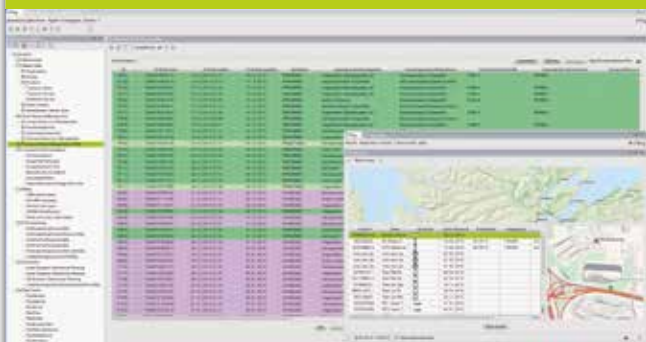
PSIglobal – Supply Chain Network Design

PSIglobal 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**

PSItms – Transport Management

PSItms 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**

PSIairport – Airport Systems

With our PSIairport 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**
+ **Baggage Reconciliation System**
+ **Infrastructure and services**
+ **CCTV**

+

Around 14% of our turnover is pumped into R&D each year.

+

All our products are release-ready - regardless of the degree of customisation.

+

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

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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.

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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

LPP

WE
WÜRTH ELEKTRONIK

FIEGE
The World of Logistics

VW
Nutzfahrzeuge

HECO
SCHRAUBEN

Hamburg Airport

LUK INA FAG
SCHAEFFLER GROUP

ZUFALL
logistics group

Intersnack

DIE POST

Prague Airport

Group
NOSTA
Logistics to the point

Mahr

MISTER SPEX

GÖRTZ

KÄRCHER

BOSCH

Palletways

HUETTEMANN
GROUP

PSIwms enables quick and efficient contract manufacturing. Thanks to its update and release capability, we are also perfectly prepared for the future.

Peter Schlechtinger
Project Manager, Würth Elektronik eiSos GmbH & Co. KG

With its modules and functions, the system coordinates both the intralogistics processes for fast contract manufacturing and on-time production supply and the multichannel strategy including returns processing, while at the same time covering the future development steps of companies and intralogistics.

Ulrich Tietze
Head of Product Enterprise Application, Mister Spex SE

Among the instruments for supply chain network design, scenario optimization and evaluation with the PSIglobal software we use brings us the greatest benefit.

Dr. Christian Lippolt
Abteilungsleiter Logistics Consulting, Robert Bosch GmbH

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 materials-handling technology, airport 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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