

Logistics Tech Outlook



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TOP 10 Warehouse Management Solution Providers - 2018

Warehouses play a pivotal role in maintaining the equilibrium between supply and demand. In the wake of robust growth rates witnessed by sectors such as e-commerce, logistics, and 3PL, businesses feel the need to revamp their warehousing processes. In such a situation, managing warehouses with manual, legacy methods is cumbersome and error-prone. This accentuates the necessity for intelligent warehouse management systems (WMS) that ensure coordination and efficiency in the supply chain.

Technology companies catering to the needs of warehouse management are making rapid strides in developing feature-rich WMS solutions, both on-premises as well as cloud-based. Advanced WMS solutions significantly simplify the warehouse management tasks. Comprehensive WMS suites that can integrate with logistics, 3PL management, and ERP systems

ensure smooth flow of information at every level of the supply chain, enabling real-time tracking of delivery status along with better management of resources and data.

Given the pressing need for automated inventory management and the range of benefits that WMS solutions bring, business leaders are looking for solutions that integrate well with their existing back-office systems to enable seamless supply chain operations. In order to help the C-suite zero in on the apt WMS solution, a distinguished panel comprising CIOs, CEOs, CTOs, analysts, and Logistics Tech Outlook's editorial board has evaluated companies that provide immense value to clients in the WMS arena. The selected firms demonstrate an outstanding ability to innovate and customize their solutions to suit clients' requirements.

In this edition of Logistics Tech Outlook, we present to you the Top 10 Warehouse Management Solution Providers 2018.



Company:
PSI Software Group

Description:
Provides state-of-the-art warehouse management technology with PSIwms

Key Person:
Sascha Tepuric,
Warehousing Group
Director

Website:
psilogistics.com

PSI Software Group

Delivering Future-Proof WMS



Sascha Tepuric

Back in 1971, when the warehouse management industry was still in its infancy, Berlin, Germany-based PSI Software Group had developed their first automated warehouse management system (WMS) in Europe. From its inception—for more than 45 years—PSI Software Group has been instrumental in delivering state-of-the-art software systems to facilitate transparent material flows and efficient logistics management. Traversing through the years, with PSI Software Group’s dedicated focus to remain at the forefront of providing cutting-edge warehousing technology, led them to bring together all their logistics and warehousing expertise and establish a specialized wing—PSI Logistics in 2001.

PSI Logistics, a subsidiary of PSI Software Group, aims to fulfill the current warehousing demands of the logistics industry with its flagship product, PSIWms. Sascha Tepuric, Warehouseing Group Director of PSI Logistics, says, “Today’s dynamic and omnichannel logistics companies demand WMS solutions that can effectively optimize fulfillment capabilities and accelerate B2C businesses without increasing dependency on manual workers.” He adds that the solution should also possess the capacity to provide seamless collaboration and easy scalability. Architected to achieve these requisites, PSIWms offers various modules and toolsets

to plan, manage and enhance intralogistical business processes.

Continuous innovation and customer-centric approach to the solution are the two key drivers behind PSIWms’ huge success rate in ensuring improved productivity and profitability. The robust software comes with an added layer of data-driven intelligence which not just ensures that warehousing operations such as picking and loading are executed with perfection, but also has the power to scale promptly when the load increases and thereby handle future-centric developments.

PSIWms’ robustness can be further substantiated through its unique process

optimizing capacities. The solution allows users to define various case scenarios to determine how the software should behave when a certain situation arises. The adaptive scenario management essentially allows the logistics firm to configure different use cases into its system and lets the warehouse operator choose from the list, a scenario that best matches with their current requirements. That said, PSIWms also provides a process-oriented warehouse visualization feature, which gives concise visibility into the status of the entire warehouse operations. A design mode provided by the tool allows detailed modeling of the warehouse, and a link to ‘PSI-Click-Design’ enables a user to create personalized UI (by adding or removing tools) that meets their exact requirements. Tepuric, however, reveals that the latest version of the software (version 4.0) comes with more salient features.

Adaptive order start—PSIWms’ new feature addition—enables KPI-oriented order dispatching, which means the software can automatically start or hold back orders depending upon the current capacities of the warehouse. The tool accomplishes this task using PSI Logistics’ proprietary Qualicision® fuzzy logic. Illustrating how the feature works, Tepuric cites that if a warehousing professional defines the KPIs for specific workloads, the software would automatically scrutinize the situation, and calculate how each order would affect the KPIs. Utilizing this knowledge, the system then ranks the orders in the most optimized fashion.

Apart from warehousing solutions at the logistics centers, PSI Logistics also aids to manage the complex business processes occurring at yard areas where the freight vehicles are loaded or unloaded. PSIWms’ yard management module ensures minimum errors in coordinating the loading and unloading processes outside the yard, thereby reducing waiting times and facilitating more efficient working conditions.

Throughout PSI Logistics’ warehouse management processes, implementation of IoT plays a significant role in the success of their solution offering. Tepuric states, “Connecting through smart devices not only aids greater mobility but also broadens visibility.” Moving ahead, PSI Logistics is committed to implementing more ground-breaking warehousing capabilities (such as integration of AI) that enhance business agility and operational excellence of logistics firms. **LT**

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