



Efficient Process Management in Production Supply

platbricks® Production Supply

Initial Situation and Challenges

Smooth production supply is central to fast order processing. Lack of process transparency, incorrect planning, and adherence to manual processes lead to waiting times and absences on the production lines and, thus, to significantly higher throughput times. Increased stock levels and buffers on the production lines ensure greater security of supply but take up a larger staging area and tie up capital.

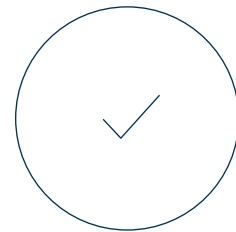
To best align production supply processes with production, a digitized production supply system is needed that makes the process transparent, allows optimization through analysis tools, and enables the integration of helpful mobile devices and IoT tools.

Production Supply with platbricks®

The Production Supply module of our cloud logistics platform platbricks® offers you to control your production supply adapted to your warehouse structures, production supply strategies, provisioning concepts, and production requirements.

Digitalizing production supply processes gives you high transparency to track your containers and replenishments in real time. You can integrate mobile devices such as smartphones and smartwatches into your processes. You can trigger your replenishment automatically via dash buttons, weight sensors, and stored replenishment rules. In addition, your route trains can be optimized through automated transport systems and sequencing and evaluated via the integrated dashboard and analysis tools.

Benefits



- Transparency and control of production supply processes in real time
- Simple and flexible storage location management for the production supply areas
- Simple connection of MES, ERP and WMS through standard interfaces
- High scalability through cloud-based system
- Mobile process handling through the use of wearables
- Short-term intervention in processes possible through prioritization
- Shortened lead times
- Reduced capital tie-up and optimal floor space requirements





platbricks® Production Supply - Function overview

The platbricks® Production Supply module offers a wide range of functions to facilitate the management of production supply areas. One function is the status tracking of containers and replenishments. This helps track and monitor supply materials' current status in real time. Another critical aspect is empties handling. Here, empty totes and containers are automatically recorded and returned for reprocessing or replenishment. This contributes to the efficient use of resources and consumption-based replenishment.

Physical or virtual dash buttons, replenishment rules, scales, or smartphone apps can trigger replenishment. platbricks® Production Supply also offers the possibility to manage stations for route trains. This allows automation and optimization of the route train to ensure adequate supply to the production areas. To increase clarity, e-Ink displays can be used to label scales in the station digitally. The module also includes a supermarket management function. Supplies can be organized in a virtual supermarket for easy and fast inventory management.

The module's e-Kanban system ensures consumption-oriented replenishment of production at the container level. Another helpful feature is access to dashboards and analytics. This allows users to visualize and analyze real-time data to make decisions and identify bottlenecks. Finally, platbricks® Production Supply also supports picking and replenishment using pick-by-light technology. This facilitates the compilation of orders and ensures the fast and efficient provision of supply materials.

Overall, the platbricks® Production Supply module offers a comprehensive range of functions to automate, optimize and monitor production supply. This ensures smooth and efficient production, resulting in increased productivity and profitability.

You have questions, need information or a contact?
Get in touch with us.

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Global IT specialist Arvato Systems supports major companies in Digital Transformation. About 3,100 staff in over 25 locations stand for in-depth technology expertise, industry knowledge, and focus on customer requirements. Working as a team, we develop innovative IT solutions, transition our clients into the Cloud, integrate digital processes, and take on IT systems operation and support. As a part of the Bertelsmann-owned Arvato network, we have the unique capability to work across the entire value chain. Through our strong strategic partner network with global top players such as AWS, Google, Microsoft, and SAP, we continuously strengthen our know-how and leverage the most advanced technology. We Empower Digital Leaders.

Core Functions

- Sequencing for production deployment
- Integration of wearables and mobile devices
- Management of the production supply areas
- Status tracking
- eKanban, supermarket management
- KPI dashboard and analysis tools
- Connection of IoT devices possible, e.g. weight sensors, dash buttons
- Tugger train control
- Implementation of different production supply strategies: Kanban control loop, ad hoc replenishment, minimum stock level, order-based