

PMS

The MES solution by Var Industries for manufacturing

PMS – Production Management System – is the MES platform developed by Var Industries to deliver flexible and efficient management of complex production lines, packaging systems, and manufacturing units. Thanks to its scalable architecture, it adapts perfectly to highly complex industrial environments.

It integrates not only with major ERP systems but also with other enterprise applications such as APS, PDM, PLM, CAD, CAM, and WMS – enabling the creation of a true Production Digital Twin. It offers a wide range of functions related to product and process traceability, quality control, and real-time and historical performance monitoring.

Why choose PMS?

A MES tailored for SMEs

PMS is designed for companies looking to digitalize their production processes while maintaining full control over the solution's Total Cost of Ownership. It offers a scalable, user-friendly platform that is quick to deploy.

Digital Twin and traceability

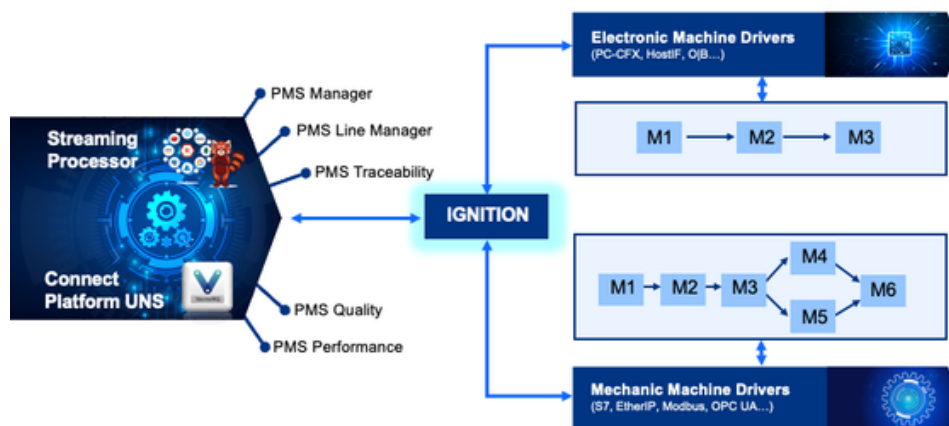
Every machine, production line, product, and process is digitally modeled: the system ensures full traceability, waste tracking with cause classification, and real-time visibility of progress, anomalies, and production bottlenecks.

Integrated quality and performance control

Dedicated modules for quality control, data collection, and KPI definition provide performance analytics and OEE tracking—supporting production planning, improving efficiency, reducing waste, and enabling data-driven decision-making.

Full integration with your systems

PMS integrates seamlessly with ERP, APS, PDM, PLM, CAD, CAM, WMS, and other industrial automation systems—ensuring data consistency and operational continuity across the entire value chain.



The PMS platform intelligently connects management, traceability, quality, and performance modules with shopfloor equipment and systems—ensuring continuous data flow and advanced operational control.

PMS Modules: complete and flexible production control



PMS Manager **The central control of production**

PMS Manager is the platform's core module. It enables digital modeling of facilities, lines, devices, and recipes in accordance with the ISA-95 standard. It manages orders, items, BOMs, shifts, and users through advanced configuration features. It is the heart of the company's digital twin—where every data point is consistent, traceable, and ready to guide real-time operational decisions.

PMS Line Manager **Simple operations and line-side visibility**

Designed for shopfloor personnel, PMS Line Manager offers intuitive dashboards to monitor line status and manually record progress, downtimes, and scrap. It supports handheld devices, tablets, and industrial HMIs, with real-time synoptic views and full alert management. It is the operational interface connecting workers to the MES system.



PMS Traceability **Batch and process phase traceability**

PMS Traceability ensures detailed tracking of materials, batches, containers, and product flows. Every step is traced—from raw material to finished goods, from mixing to warehouse. It supports complex logic such as line buffers and real-time tracking using beacon (BLE) technologies, ensuring complete transparency and traceability.

PMS Quality **In-line quality control**

With PMS Quality, users can configure digital checklists and forms for quality inspections. Operators can input measurements, notes, and validations directly from the line, with configurable rules for acceptable limits and units of measure. All data is recorded, searchable, and ready for audits or future analysis.



PMS Performance **KPI and analysis for efficiency improvement**

Built on open-source Grafana technology, the Performance module processes machine and line data to deliver real-time KPIs such as OEE, downtime, stop Pareto, and production balance. Dashboards are filterable by shift, order, batch, and product—enabling the identification of bottlenecks, inefficiencies, and improvement trends, with a view toward Industry 5.0.