

[silwaMES]

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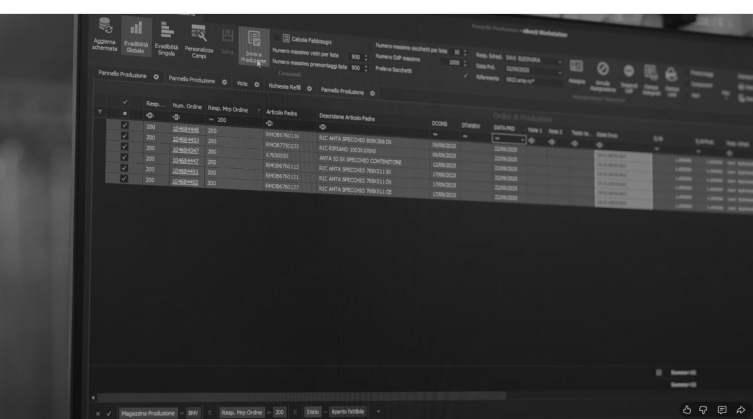
The ideal tool for companies aiming for **agile, flexible, and efficient production processes**, aligned with the challenges of increasingly competitive markets. silwaMES, a key component of the Industry 4.0 paradigm, ensures the optimization of all stages and workflows, while reducing time, waste, and production costs.

[The Software Solution]

- **INCREASED AGILITY AND FLEXIBILITY**
silwaMES enables manufacturing companies to quickly **adapt to market changes**. With real-time visibility into production processes, businesses can implement rapid adjustments and improvements, minimizing response time and enhancing operational flexibility.
- **PRODUCTION PROCESS OPTIMIZATION**
Optimize production processes by **automating data collection and analysis**. silwaMES helps identify inefficiencies, improve resource allocation, and boost productivity, ensuring streamlined and efficient workflows.
- **REDUCED PRODUCTION TIME AND COSTS**
silwaMES enables monitoring and control of every stage of production, significantly reducing downtime and operating costs. Process automation and optimized resource management **help minimize waste and maximize efficiency**.
- **RAPID IDENTIFICATION OF CRITICAL ISSUES**
silwaMES offers comprehensive, real-time operational visibility, allowing for the **quick identification and resolution of production anomalies**. This improves business continuity and minimizes downtime risks.



- **IMPROVED PRODUCT QUALITY**
silwaMES ensures **consistent product quality through rigorous process control** and material traceability. By monitoring critical parameters in real-time, you can minimize errors and maintain high-quality production standards.
- **INTERCONNECTION BETWEEN MACHINES AND SYSTEMS**
silwaMES facilitates **seamless integration and communication between machines, systems, and staff**. This advanced connectivity ensures a continuous information flow across departments, enhancing collaboration and operational efficiency throughout the entire production chain.



Features

• PRODUCTION PLANNING AND MONITORING

silwaMES **helps identify inefficiencies and reduce downtime** by optimizing each step of the process according to available resources.

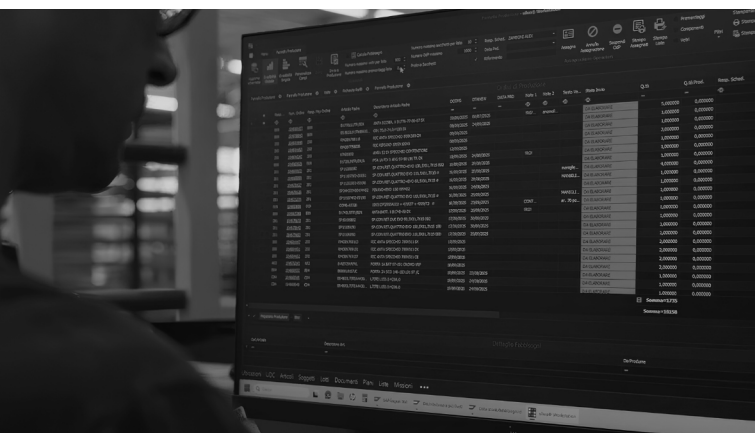


• REAL-TIME VISIBILITY AND COMPLETE PROCESS MANAGEMENT

From the production order, silwaMES efficiently manages picking lists and **tracks process progress at every stage**, based on an integrated production layout with logistics mapping. It monitors essential data such as **consumption, time, costs, and resource usage**, empowering staff to make informed decisions for workflow optimization.

• PROCESS SIMPLIFICATION AND ADVANCED REPORTING

silwaMES **simplifies and provides full transparency in production processes**, helping identify bottlenecks and eliminate hidden costs. **It generates detailed reports** on all vital production parameters for enhanced decision-making.



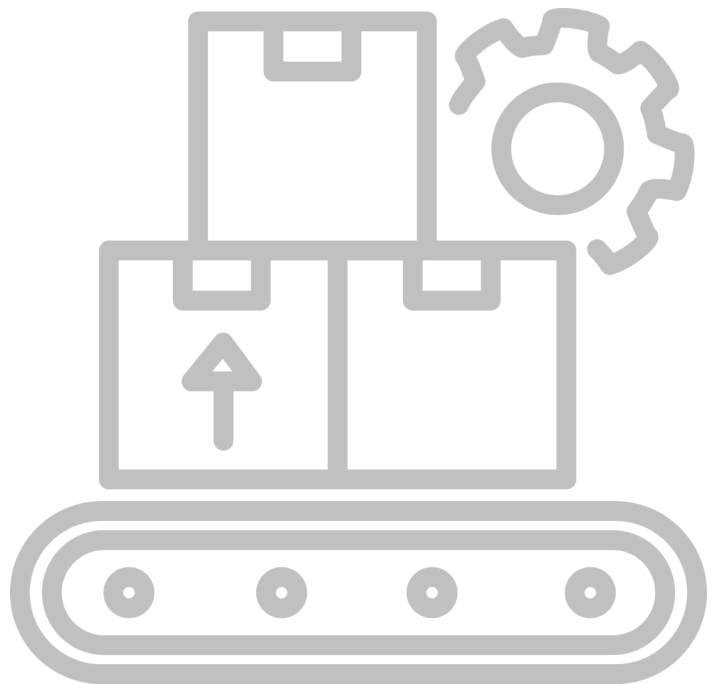
Technologies, Devices, Platforms

silwaMES is developed using Microsoft technologies, including .NET and .NET MAUI, and is supported by the following platforms:

- Microsoft SQL Server database
- Supported Server Operating Systems: Microsoft Windows Server
- Supported Client Operating Systems: Microsoft Windows, Microsoft Windows Embedded
- Supported Mobile Operating Systems: Microsoft Windows, iOS, Android

The solution supports various devices, including:

- Handheld and vehicle-mounted RF (radio frequency) devices
- Smart devices (smartphones, tablets)
- Fixed workstations
- Cameras
- Sensors



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Stesi S.r.l.

Via Villa Liccer, 10/7 - 31020 San Fior (TV)

Tel: +39 0438 403271

VAT Code 04361220264 - SDI KUPCRM

info@stesi.it - www.stesi.it