SIEMENS

Logimat 2019, Hall 3, Booth D11

Siemens presents solutions for the digital transformation of the intralogistics sector

- **This year's trade fair slogan: Digitalization in Intralogistics – Implement now!**
- **Implementation of the Digital Enterprise portfolio for machine builders and operators throughout the value chain in intralogistics**
- **Highlights: AGVs (automatic guided vehicles), storage and retrieval machine concepts, and localization systems**

From February 19 - 21, 2019, Siemens will be showcasing digitalization, automation and drive solutions for logistics processes at Logimat, the international trade fair for intralogistics solutions. Under the banner "Digitalization in Intralogistics – Implement now!" in Hall 3, Booth D11, Siemens will be demonstrating how its Digital Enterprise portfolio successfully facilitates digital transformation in intralogistics for both machine builders and operators. The focus is on automation and drive concepts for conveyor technology, storage and retrieval machines, and automatic guided vehicles (AGVs) as well as the offer for single-source, turn-key solutions and sorting solutions for post, parcel, luggage, and cargo. Businesses are therefore able to extend the digitalization process at any point along the value chain of an intralogistics system on a step-by-step basis and optimize the individual process steps, moving from the machine and system concept, through engineering and commissioning, to actual operation and service. This holistic approach from Siemens makes it the only company in the intralogistics sector which is capable of consistently mapping the actual machine builder's and operator's process chain in the virtual environment.

Digital Enterprise portfolio for intralogistics

The Plant Simulation and Process Simulate software allow operators and machine builders to optimize individual machine components right through to complete lines.

Various solution scenarios can be simulated, visualized, and analyzed in advance allowing the demands on new systems to be defined, and potential bottlenecks to be identified. Machine builders can produce entire digital mechatronic concepts using NX Mechatronic Concept Designer – from mechanics, via electrics, to automation. Automation Designer is available to create an integrated engineering solution for the electrical and automation systems in digital plants. By automatically generating PLC code for the TIA Portal and transferring this into PLCSim Advanced, the S7 controller can be put into virtual operation which significantly reduces the cost of the subsequent physical commissioning. The use of MindSphere applications during operation allows cloud-based solutions such as the innovative service concepts to be implemented, increasing the productivity and availability of machines and systems. The performance of intralogistics systems and their automation and drive components can be analyzed using the open, cloud-based IoT operating system, MindSphere. All the information gained can be fed back to the overarching value chain for continuous optimization.

Highlights: AGVs, localization systems, sorting solutions, storage and retrieval machine concepts

Siemens will be using an automatic guided vehicle (AGV), a storage and retrieval machine, and a localization system with Simatic RTLS to illustrate how the Digital Enterprise Suite can be used in intralogistics tasks. Using Simove, the AGV system platform, Siemens will be demonstrating how AGV machine builders benefit from reduced planning and engineering effort as well as shorter commissioning times, and how users can design their logistics processes more flexibly and productively. The Simove offer includes maintenance applications as well as fleet management software which forms an integration platform for AGVs from different manufacturers. The Simove software library contains a range of pre-configured and tested functional modules for machine builders. The Simove software is also based on the Simatic TIA Portal which facilitates efficient engineering.
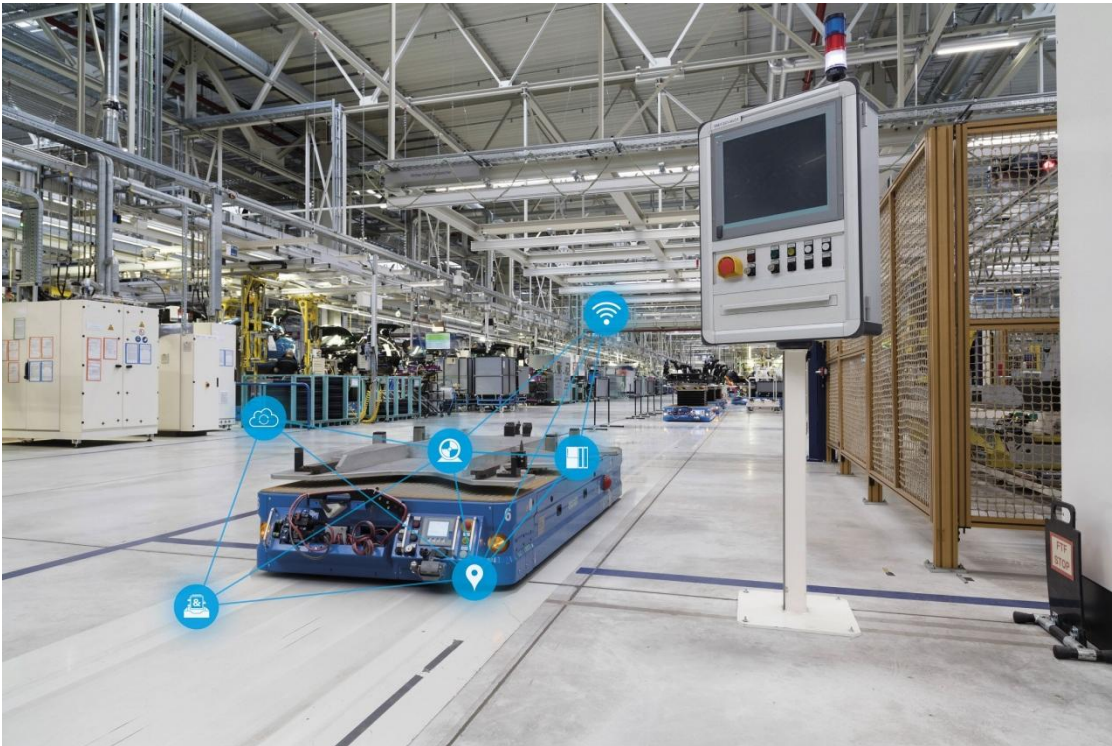
Siemens will also be demonstrating how the Simatic RTLS (Real Time Location System) can be used to optimize logistics processes, navigate material flows, and control mobile robots. The localization platform produces real-time data on the location and status, supplying intelligent data on location, movement and status. This supports holistic use of the logistics processes and resources in terms of quality, costs, and flexibility.

At Logimat, Siemens will be presenting an integrated solutions portfolio for sorting solutions, comprising hardware and software. The focus is on processing particularly small packages in a range of sizes and weight groups. Siemens will be showing how VarioRoute quickly splits streams of packages and how the software-based address reader IDEW optimizes manual sorting.

In addition to this, Siemens will be demonstrating solution concepts for storage and retrieval machines at Logimat which can cope with the high demands on flexibility, speed, and accuracy. Anti-sway solutions, energy-efficient drives with the Sinamics S120 frequency converter, and features such as speed synchronization and load distribution will also be on display and Siemens will demonstrate the new version (3.0) of the TÜV-certified safety library which has been specially developed for storage and retrieval machines. Benefits to users from the safety library V3.0 include quicker commissioning which can include fail-safe Simatic controllers (from S7-1516F).
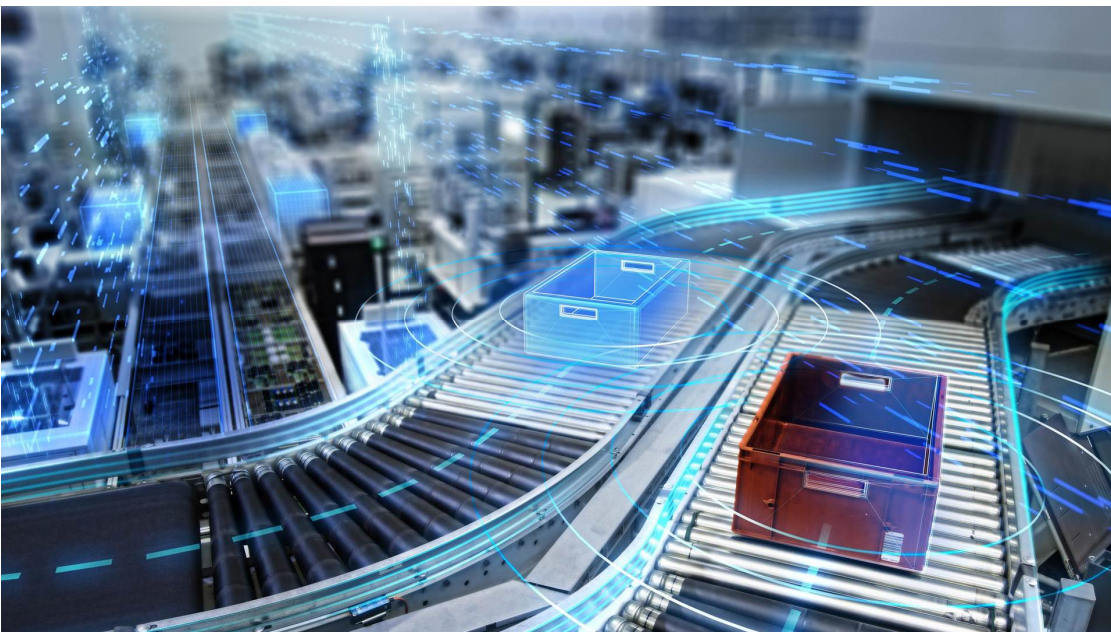
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This press release and press pictures are available at
www.siemens.com/press/PR2019020148DFEN

More information on Siemens at LogiMAT 2019 is available at
www.siemens.com/logimat

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