

Media Release

Optimized Logistics Planning Thanks to Simulations By Leadec

Stuttgart, September 1, 2020 – Internet shopping is booming, and online retailers are upgrading their logistics centers – with the help of simulation services from Leadec. The technical service provider simulated a planned sorting and distribution system for a Southern German plant construction company. Through this, the client knows how powerful the new system will be even before it is installed.

Up to 10,000 packages an hour run through the high-performance sorter in the logistics center of an online shop for beauty products. The demands are high: the packages have to be transferred from several hundred packing stations directly to the conveyor system with no delays. The belts then transport the packages to the sorting system, which discharges them to the correct parcel service terminal points – smoothly and with no errors.

“Does the system achieve the required performance in daily operations? Is it flexible enough to meet the different requirements of the manual workstations? We can answer these and other questions through the digital simulation. Thus, the operator already knows whether the system equipment fits into the logistics center before installation,” explains Dr. Achim Agostini, Executive President of the Automation & Engineering Division.

The simulation offers further advantages: system bottlenecks are detected early on, and the equipment can be immediately adapted to special challenges. Based on the simulation, the operator can make a qualified decision in favor of a high-performance sorter with a high investment security. As soon as the operator commissions the plant construction company, Leadec takes over the simulation-based support of the project in the next step.

Thanks to Leadec’s technical services, complex sorting systems can be reliably implemented and operated. Leadec provides support in planning as well as in automation. Following system startup, Leadec can, at the request of the client, assume the maintenance and operation of the equipment as well as replacement parts management. The goal: maximum system availability. Clients in the courier, express, and parcel services (CEP) and e-commerce sectors profit from Leadec’s decades of experience in planning, simulation, and optimization of production lines and logistics systems.

About Leadec

Leadec is one of the leading providers of technical services for the automotive and manufacturing industries. The company, which is headquartered in Stuttgart, employs about 20,000 people worldwide. In 2019 Leadec earned sales of around EUR 900 million. For almost 60 years, Leadec has been supporting its customers along the entire production supply chain. The service provider is based at more than 300 sites, often directly at the customers' plants and facilities.

Leadec's global services comprise: Engineer (Production Planning & Optimization, Automation and Production IT), Install (Electrical Installation, Mechanical Installation and Relocation), Maintain (Production Equipment Maintenance and Technical Cleaning), Support (Technical Facility Management, Infrastructural Facility Management and Logistics) as well as other local services. The services are provided either in projects or permanently on site at the customer's premises.

For more information about Leadec go to: www.leadec-services.com

Contact for press and media:

Dr. Marion Hebach
Head of Global Communications
Leadec Holding BV & Co. KG
Meitnerstraße 11
70563 Stuttgart
Tel. +49 711 78 41-174
marion.hebach@leadec-services.com
www.leadec-services.com

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Through simulation, the customer knows the performance of his new system even before installation.