



A SHINING EXAMPLE OF SUCCESSFUL AUTOMATION

Case Study // Fagerhult Group

An extremely broad product portfolio, numerous components, a large number of small products, and limited space: The combination of these factors often brought the intralogistics processes of lighting manufacturer Fagerhult, based in Sweden, to a standstill. How could the flow of goods within the company be made more reliable and, at the same time, future-proof? The answer came in the form of a successful automation project with Linde Material Handling.

FAGERHULT

Company: Fagerhult Group, Fagerhult (Sweden)

Industry: Electricals industry

Task: Optimization of the internal flow of goods and reduction of the number of manual transports in the warehouse and production environment

Linde solution: Implementation and commissioning of two automated Linde L-MATIC pallet stackers for the transport route between assembly and the finished goods warehouse

Task

Due to the extremely high product variance and component diversity, Fagerhult has recently experienced repeated bottlenecks because the required materials and finished goods could not be provided at the right time and in the right place. The company was therefore looking for ways to make its intralogistics processes more robust by means of intelligent automation and, at the same time, reduce traffic in the busy warehouse and production environment.

Challenge

The customer wanted an automation solution that did not interfere with the existing infrastructure, meaning that the automated warehouse technology can also map future or adjusted processes. Due to the high volume of passenger traffic, the issue of safety was also of paramount importance.



Welcome to the team

Fagerhult involved the workforce in the automation project from the very beginning. Among other things, there was an internal competition to name the new L-MATIC trucks.

Solution

Over the course of the project, two Linde L-MATIC pallet stackers with extended prongs were put into operation at Fagerhult; these simultaneously transport goods from assembly to the shipping areas. At the same time, a Linde charging station was installed, which the trucks stop at automatically. Prior to the start of the project, the Fagerhult managers were reassured during a visit to a Linde reference customer that the existing industrial floor, which is not perfectly level, would pose no problem for the Linde technology.

Advantages

Commissioning of the geo-navigation-controlled L-MATIC trucks, which require no additional equipment, was carried out at Fagerhult during ongoing production, meaning production was able to continue unhindered. The project has made it possible to transfer the workers previously involved in the manual transportation of goods to more profitable areas within the business. Thanks to the safety systems installed, including Linde BlueSpot™ and laser scanners, a high level of safety is also guaranteed when the machines interact with their human colleagues.



»A big advantage is that the two L-MATIC trucks do not require any changes to the existing infrastructure – so we can grow with the solution for years to come.«

Pontus Segmark, Production Technician,
Fagerhults Belysning



Spotlight on Thanks to Linde BlueSpot™, employees are always aware of their automated „colleagues“.

Roll it!

The button leads you directly to our video, which shows the Linde L-MATIC trucks in action.

