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König + Neurath receives an automated intralogistics system that adapts to growth – for independent further development

- The new intralogistics system can be adapted and expanded at any time.
- Grenzebach trained König + Neurath to independently make adjustments and even commission vehicles and stations.
- The system is designed to expand in line with future requirements without immediately reaching its limits.

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HAMLAR/Germany. In response to constantly changing work and production environments, office furniture manufacturer König + Neurath (www.koenig-neurath.com) was looking for a flexible, scalable solution to automate intralogistics in metal manufacturing. The company found the right partner in Grenzebach. In close cooperation with the customer, Grenzebach developed and installed an intralogistics concept with a universal control system, eight vehicles and thirteen stations. After a comprehensive training course, König + Neurath employees are now able to commission additional lines, vehicles, and stations on their own.

High level of flexibility and independence required

König + Neurath is an office furniture manufacturer that designs working environments and work cultures. This holistic approach goes far beyond being just a supplier of tables and cabinets. The company is extremely customer-oriented and works only on a commission basis. König + Neurath is on their way to a matrix manufacturing.

At the end of 2020, together with a new high-bay warehouse, the decision was made to automate intralogistics processes with automated guided vehicle systems. In metal production, the individual process stages from the laser cutting machine to the edging machines to the paint shop needed to be more effectively interlinked.

This was associated with the wish for a high degree of independence. The company wanted to be able to make adjustments to vehicles, lines, stations and even commissioning itself in order to be more flexible. "We need to adapt our work environment on a regular basis. That is why we need an open, flexible system that we can adapt ourselves. We found this kind of solution only from Grenzebach", says Dirk Fischer, Head of Technology König + Neurath.

Design, installation, and comprehensive training

Grenzebach analyzed the conditions at the customer's site, drew design plans and agreed on the customer's requirements to develop the desired intralogistics concept. The first step was to install the universal control system, eight L1200S vehicles and thirteen stations.

Test routes were set up for the comprehensive training of employees. Grenzebach qualified their customer to make adjustments and commissioning themselves. "We wanted to keep control of our own operations to such an extent that

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we could adjust a route or put a vehicle into operation on our own. It was only possible for us to implement this project in depth and independently because we made use of the training provided by Grenzebach and enjoyed an enormously close exchange along the entire way." says David Schuch, Industrial Engineering König + Neurath.

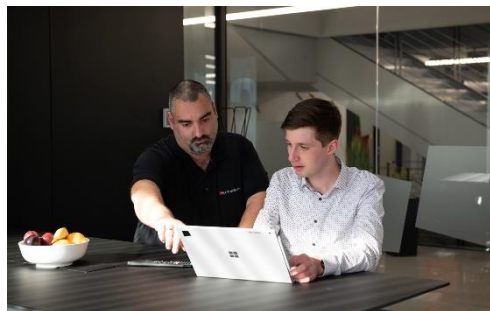
Design, installation, training, and commissioning have all taken place during the ongoing production. As a result, the production process was not interrupted, instead the transition to the new system was smooth.

The AGVs now travel around 160 km per week, transporting around 1,000 goods carriers. In spite of the high degree of independence of König + Neurath regarding adjustments and commissioning, Grenzebach will continue to be the partner in this process and will accompany them in the future.



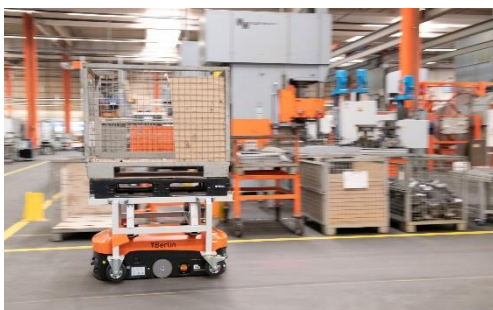
From left: Ralf König, Senior Vice President Intralogistics Grenzebach, and Dirk Fischer, Vorstand Technik König + Neurath.

Source: Grenzebach



From left: Florian Karl, Sales Manager Intralogistics Europe Grenzebach, und David Schuch, Industrial Engineering König + Neurath.

Source: Grenzebach



The AGVs travel around 160km per week.

Source: Grenzebach



The Grenzebach AGVs offer a high degree of independence for König + Neurath.

Source: Grenzebach



König + Neurath can commission and adapt the system themselves.

Source: Grenzebach



The AGVs transport around 1,000 good carriers per week.

Source: Grenzebach



The system is designed to expand in line with future requirements without immediately reaching its limits.

Source: Grenzebach



The project team of Grenzebach and König + Neurath.

Source: Grenzebach

About intralogistics at Grenzebach

Grenzebach offers automated guided vehicles for the automatic transport of parts in production and manufacturing as well as goods-to-person solutions for warehouse logistics. The holistic automation solutions include consulting, hardware, software, and service. Grenzebach is a reliable partner that supports and advises customers throughout the entire project lifecycle and further. The aim is to provide intralogistics solutions that are precisely tailored to the needs of the user.

About Grenzebach

Grenzebach is a leading automation solution provider for the global glass, building materials and intralogistics markets. In addition, the company develops new application areas, such as various recycling processes, friction stir welding, the automation of industrial additive manufacturing, digital networking, or solutions for sustainable energy generation such as solar-active façades. Grenzebach ranks among the international technology leaders in its markets. The global manufacturing footprint, with production sites in Germany, Romania, the US, and China, as well as additional worldwide locations, ensures on-site customer support. More than 3,000 systems installed in more than 55 countries stand for quality and reliability. Since the company opened its doors over 60 years ago, it has been owned by the founding family. With an export ratio of more than 90 percent, Grenzebach is a global player.

LinkedIn:

<https://www.linkedin.com/company/grenzebach-group>

YouTube:

<https://www.youtube.com/TheGrenzebachGroup>