

Reshaping Intralogistics

Webasto and Filics establish new ways how to automate intralogistics in narrow environments with high load carrier variety

THE CHALLENGE

Intralogistics processes range from supplying production lines to managing warehouse and storage processes. Limited visibility into inventory levels and locations can make it challenging to optimize space utilization. The challenge regarding space utilization is the maximization of using vertical space, by implementing narrow aisle storage and using automated storage. Furthermore, in these situations, an efficient material flow also needs to be implemented.

THE SOLUTION

Two Filics devices operate mechanically independent and autonomously into Euro Pallets, lift them, and move the load in a direct way, safe for personnel and digitally controllable. Filics showcased a prototype within Webasto's production site in Utting. Subsequently, the Filics Units operated in real processes, the so-called supermarket process - transporting Euro Pallets containers through a narrow aisle to their storage facilities.

IMPACT

Filics successfully proved the feasibility of its technology onsite, by performing smooth showcases in a set of different situations and environments. Therefore, Filics' advantages over other autonomous mobile robots (AMRs) became clear. Moreover, the foundation for automated storage systems (including narrow aisle storage) has been set up and the demo was broadcasted to other sites around the world.

FILICS

Filics' solution utilizes artificial intelligence to automate production line transport and sequencing pallets. The devices enable warehouses to reduce intralogistic transport time and increase warehouse capacity.

Filics' solution can be applied in any industry. Their focus is on applications in business areas such as Production, Warehousing, and Cross Docking.



HEADQUARTERS

Germany, Munich

FOUNDED

2019

NO. OF EMPLOYEES

11 – 50

WEBSITE

filics.eu

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CONTACT FOR THIS PROJECT

Johannes Felden
Ventures Analyst
STARTUP AUTOBAHN powered by
Plug and Play
j.felden@pnptc.com

ABOUT STARTUP AUTOBAHN

STARTUP AUTOBAHN powered by Plug and Play is an open innovation platform that provides an interface between innovative tech companies and industry-leading corporations. The basis of the program is the partnership that develops between startups and the corporate business units. The two entities hold an equal footing from the get-go: together they evaluate the potential for a joint venture, move forward to pilot the technology, and work to achieve the ultimate goal – a successful production-ready implementation. Designed with the intention to exceed startup acceleration, STARTUP AUTOBAHN powered by Plug and Play moderates a community for collaboration with a focus on implementable results. Over the years, the platform has successfully cultivated over 400 projects with more than 300 startups since its founding in 2016.