

# Test with Magazino robots at Zalando successfully completed

## Expansion of robot fleet to follow

**Munich, 29. August 2019 - The Munich-based robotics company Magazino has successfully completed its test project with the mobile picking robot TORU at Zalando, the online platform for fashion and lifestyle. Now the expansion of the robot fleet and the move to a larger operational area are on the agenda. At the test site in Erfurt, Magazino's TORU robots were deployed parallel to humans within the Zalando warehouse and responsible for the autonomous storage and retrieval of shoe boxes in shelving racks.**

The approval of the project consisted of a three-day performance and availability test. The robots had to prove their speed and reliability. Markus Ruder, project manager at Magazino and responsible for the deployment at Zalando, says: "We were able to exceed the requirements in all areas. What makes us particularly happy is that the hard work of the past weeks has paid off so clearly".

Carl-Friedrich zu Knyphausen, Head of Logistics Development at Zalando, says: "After various assignments in *Pick* and *Stow*, the robots have clearly proven themselves in our logistics test environment." The robot fleet will now have a significant increase in size and a new location. The two robots from the Erfurt logistics center will now be deployed at Zalando's Lahr site in southern Germany and will be reinforced by six more TORU robots in the course of this summer. The robots will initially be put into operation in a separated part of the shoe area within the warehouse where they will be trained. In a second step, the robots will be connected to the warehouse management system.

Laser scanners and 3D sensor technology at the front and rear enable the autonomous robots to safely support the employees in their activities while operating in parallel. If TORU registers an employee or an obstacle on its route, it first slows down, stops in time and waits - or searches for an alternative route if the route remains blocked.

In 2018 Zalando put the first TORU robots into operation in Erfurt: The robots support "stow" (storage) and "pick" (picking) operations in the areas of shoe boxes. Their special skill: In contrast to other automation technologies, in which only entire load carriers such as pallets or crates can be moved, the mobile TORU robots uses approaches of artificial intelligence as well as 3D camera technology and can thus recognize, grasp and transport individual objects. With these capabilities, they are also able to support the chaotic storage system used in Zalando's logistics centers.

## About Magazino

*Magazino GmbH develops and builds intelligent, mobile robots that perceive their environment and make their own decisions. These autonomous robots work alongside people and make processes in e-commerce, fashion and production logistics more flexible and efficient than ever before. With over 110 employees in Munich, Magazino is the largest Advanced Robotics team in Europe. Magazino's investors include Körber AG, Zalando and Fiege Logistik.*

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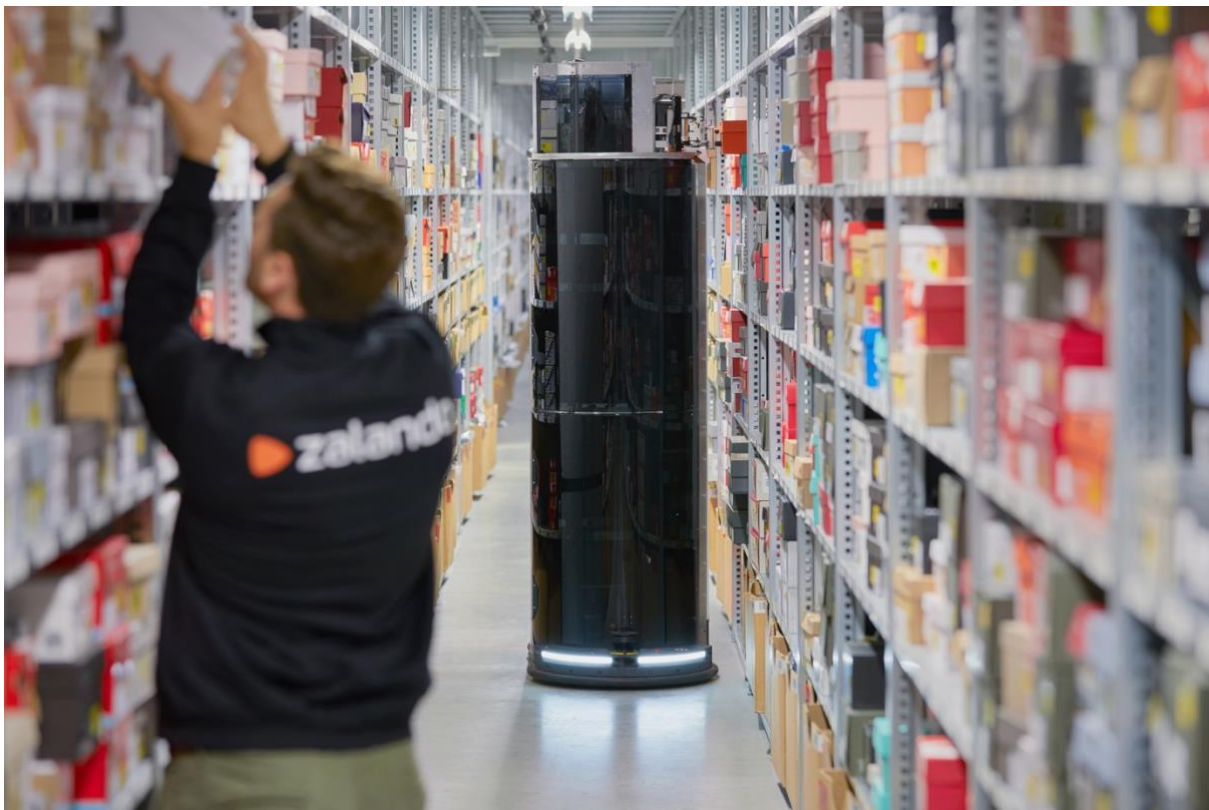
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„The mobile robot TORU autonomously transports, picks and stows individual objects like shoe boxes.“

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