



## PRESS RELEASE

*Logivations delivers over 100 AGVs to BRUMMER*

### **Digital Twin and Artificial Intelligence automate distribution warehouses**

**Munich, 22 October, 2020** – BRUMMER, the professional for temperature-controlled transport and warehouse logistics, and [Logivations GmbH](#), an international consulting and technology company based in Munich, have agreed on an extensive cooperation for the digitization and automation of BRUMMER's distribution warehouses.

After an initial project, BRUMMER Logistik decided to completely digitize all warehouses and logistics processes inside their businesses. In addition, about 125 autonomous mobile robots are to be delivered by Logivations by the end of 2021 for the complete automation of all pallet transports.

#### **Autonomous mobile transport robots - navigated with AI**

[Logivations W2MO](#) uses cameras and artificial intelligence to recognize vehicles such as forklifts and robots, as well as stored goods and all processes in the warehouse and production. Bookings are made automatically based on the detected movements of goods.

And: For the automatic transport of pallets, autonomous mobile transport robots and their coordination with other transports can be navigated with complete control.

#### **Artificial intelligence enables Pay Back in less than 2.5 years**

Logivations' technology allows the transport robots to be provided in a very lean and cost-effective manner. A payback period of less than 2.5 years is typical. The complex intelligence is integrated into the existing infrastructure: several hundred detection units - cameras with artificial intelligence for object recognition - recognize everything that happens in the warehouse.

"Digital Twin and Artificial intelligence offer revolutionary new possibilities for autonomous mobile transport robots," says Dr. Christoph Plapp, Managing Partner of Logivations.

#### **Recognition of pallets with Artificial Intelligence**

At BRUMMER, pallets are wrapped in foil, which is why laser scanners cannot recognize the entry channels of the pallets. The detection of pallets is therefore also carried out using artificial intelligence. Using extensive image material, all conceivable appearances of pallets were learned so that the AI-AGVs can quickly and safely steer into pallets and pick them up.

"We tested long and hard and then decided to fully digitize and automate our logistics processes. It's nice that this can be done at very manageable costs," emphasizes Hans Brummer, Managing Director of BRUMMER Logistik.

Over the next few months, Logivations will gradually digitize more BRUMMER warehouses and equip them with registration units. The planned 125 AGVs will be delivered and put into operation step by step. At the beginning there is a comprehensive mixed operation, i.e. AI AGVs and manual forklifts take on the same transport tasks, but are optimally coordinated by Logivations software according to their respective capabilities.



*(Please request a file copy or link when publishing)*

### **About BRUMMER Logistik**

BRUMMER is a family-run logistics company with around 700 employees, its own truck fleet with 220 refrigerated vehicles and 40,000 square meters of temperature-controlled storage space at the Neuburg am Inn location near Passau. BRUMMER is a member of the European Food Network (EFN) and a country partner for Austria. BRUMMER offers its customers groupage solutions across Europe, especially for fresh but also for frozen and unrefrigerated foods. On the route Austria <-> Germany, BRUMMER is one of the market leaders.

A new logistics center with around 45,000 square meters of storage space is currently being built at the Sankt Marienkirchen site near Schärding. Starting in spring 2021, the business fields of pet food and plant logistics will be bundled at this new location directly on the German-Austrian border.

<http://www.brummer-logistik.de>

### **About Logivations**

Logivations is an international consulting and technology provider with headquarters in Munich. The company develops innovative solutions based on advanced AI, optimization and web technologies, as well as “Deep Machine Learning” for the holistic planning and optimization of all logistics aspects under the motto “Design by efficiency”. Our software solution W2MO is globally leading in design, 3D- and VR simulation, optimization, evaluation of supply chain processes, and warehouse and production logistics. Already more than 30.000 professional users worldwide use W2MO directly from the cloud or locally installed. W2MO has been nominated several times by committees of experts, among other things, such as: the “Best Product” at LogiMAT 2011, named in 2013 by Gartner Inc., the US analyst, as “Cool Vendors in Supply Chain Management Applications”. In 2016 W2MO was chosen by Volkswagen as “Top Innovator of Volkswagen Scouting Logistics Innovations” and in 2019 among the 20 “Nominated Top Innovators”.

[www.logivations.com](http://www.logivations.com)

**Pictures:**



Picture 1: Digital twin and artificial intelligence offer revolutionary new possibilities for autonomous mobile transport robots (source Logivations)



Picture 2: 12 integrated cameras take over the complete navigation of the AGV and provide millimeter precision (source Logivations)

**Further Information + picture material:**

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