PRESS RELEASE

LogiMAT
Efficiency Boost Through Artificial Intelligence and Digital Twins

Logivations presents specific use cases of AI at LogiMAT

Munich, 23.03.2023 – [Logivations GmbH](#), an international consulting and technology company based in Munich, will be presenting the unique spectrum of features of the cloud-based software W2MO at the LogiMAT in Stuttgart from April 25th to 27th, 2023 (Hall 8, Stand F05) under the motto "Real Applications for Efficiency Boost Through Artificial Intelligence and Digital Twins". Specific application examples and cutting-edge developments of the solutions that have been successfully used in practice for years will be showcased:

Lean AI–Picking
With Logivations Lean AI–Picking, an employee only spends time on the actual picking process - Artificial Intelligence monitors and recognizes the product or the picking point and destination location as well as determines the number of items if necessary. Lean AI–Picking enables an efficiency increase of the picking process by up to 30%.

Logivations Supply Chain Engineering with a New Scenario Manager
Especially in today's volatile times, it is necessary to be prepared for any circumstances. With the new highly interactive scenario manager from Logivations, scenarios can be prepared and optimized for all eventualities.

[Optimization of Storage Capacity](#)
An optimized arrangement of areas, routes or shelves, increase the storage capacity by up to 20% using modern AI algorithms. Based on a Digital Twin of the building and the fixed facilities, the required lanes, shelves, areas, routes are placed in the warehouse in cooperation between man and machine in such a way that the areas are optimally used - and at the same time all restrictions and practical requirements are observed.

Algorithms and Intelligent Digital Twins
In our portfolio you will find suitable algorithms for practically all logistics optimization tasks: advanced slotting, tour building, optimization of sequences, optimal packing, workforce planning...and much more.

Realtime Digital Twins
Using Artificial Intelligence, everything that happens in reality can be recognized and mirrored in the Digital Twin: real-time digitization of logistics leads to the perfect digitized image of reality. The positions of all objects are known, stocks, area occupancy, people, forklifts, etc.

Autonomous transporters thus have completely new possibilities for navigation, obstacle avoidance, and collaboration with people.

A variety of applications can now be created based on the Digital Twin, e.g.:

[Realtime Location & Recognition System](#)
e.g. Track all material flows and forklift movements, book them automatically, automate scanning and identification processes.

[Navigation for Autonomous Transport Robots](#)
An autonomous robot that is navigated exclusively by Artificial Intelligence opens up a wide range of new functions.

[Scanner-free logistics](#)
When all material movements are known, scanning is unnecessary.

(Please request a file copy or link when publishing)

About Logivations:
Logivations is an international consulting and technology provider with headquarters in Munich. We develop innovative solutions based on advanced AI, optimization and robotics technologies, as well as "Deep Vision and Robotics". With these powerful tools, companies can plan holistically and optimize all aspects of their logistics 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, 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

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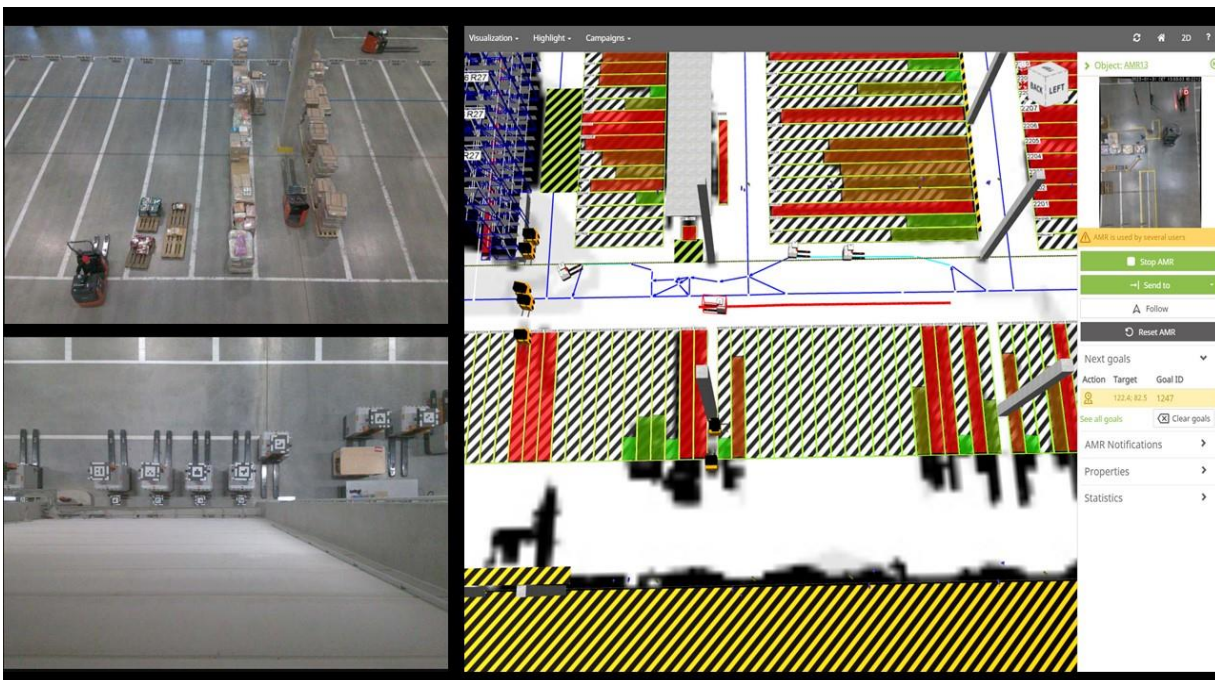Internet: www.logivations.com

Image material:

Image 1: Efficiency boost through Artificial Intelligence and Digital Twins