



PRESS RELEASE

Technology leader Logivations at LogiMAT 2020

Artificial intelligence meets logistics: Smart digital twins increase efficiency and reduce costs

Munich, December 2, 2019 - [Logivations GmbH](#), an international consulting and technology company based in Munich, shows trendsetting innovations in logistics and production at LogiMAT in Stuttgart on March 10-12, 2020.

The experts from Logivations present a unique portfolio of functionalities on two exhibition stands (Hall 7 G03 and Hall 8 F05): the [software solution W2MO](#) opens the way to digital twins of the warehouse and the entire supply chain. The identification and live tracking of goods and vehicles through machine learning provide the data basis for the fully digitized model of reality. User-friendly simulations allow a precise evaluation of existing processes. The innovative mathematical algorithms are available for optimization.

“The potential of leading-edge technologies such as computer vision and autonomous robots can be exploited only by combining artificial intelligence with the closeness to reality that the digital twin delivers. For this reason, we continuously improve our camera-based detection and the machine learning technologies that are used.” Patricia Rachinger, Head of Product Management at Logivations.

Hall 7 - Stand G03: Tracking and camera-guided AGV LIVE in use

Logivations revolutionizes AGVs in industry and logistics - now also for pallet AGVs:

Detection: The [innovative camera infrastructure](#) with centralized detection and control technology, interacting with the optimization engine W2MO, can achieve considerable increases in efficiency and significant cost optimization.

Tracking: Through the parallel use of several cameras, the software determines positions accurately and reliably, and delivers the data to the digital twin. This way, the central transport and AGV control system always has a complete overview: it can calculate alternative routes in real time and warn vehicles on a collision course - much earlier than it would be possible with sensors. In addition, the utilization of routes and AGVs can be evaluated and the processes optimized.

AGV control: Camera-guided pallet AGVs navigate completely autonomously in a storage and production environment. The easy connection of a WMS to the W2MO platform allows the navigation directly (for example) to the target storage area. The use of standard components makes AGV navigation simple, affordable and scalable.



Hall 8 – Stand F05: LIVE software DEMOs and identification workplace

Here Logivations shows its [algorithm portfolio](#) and the use of artificial intelligence in the packing process:

Supply Chain: The supply chain engineering as well as the supply network planning in W2MO have been augmented with a variety of visualizations and additional functions. Interfaces to freight cost databases and Google traffic data support the optimization of the entire network.

Logistics optimization: algorithms for optimized assignment, tour building and capacity planning always reveal new potential in the digital twin. The 3D visualization provides the users with the exact information they need - either a brief overview or detailed insight.

Identification workplace: In addition to [identifying objects](#), the artificial intelligence within W2MO can also now count and measure. This further development allows an additional quality control - the ideal supplement to the visualization of packing schemes with step-by-step guidance of the packer. The packing process is stabilized and, if required, can be documented via video.

Convenient: As a web-based platform, W2MO is also available on all mobile devices, supports multiple language versions and can be linked to a wide range of WMS via standard interfaces (warehouse management systems such as SAP EWM)

www.logivations.com

(Copy or link requested if published)

About Logivations

Logivations is an international consulting and technology company based in Munich. The company develops innovative solutions for the integrated planning and optimization of all aspects of logistics based on the latest AI, optimization and web technologies as well as "deep machine learning" methods according to the motto "Design by Efficiency". Our software solution W2MO is the world leader in the logistics design, 3D and VR simulation, optimization and evaluation of processes in supply chain, warehouse and production logistics. Over 30,000 professional users already use W2MO directly from the cloud or a local installation. In its ten-year success story, W2MO has received multiple awards from expert panels, including at LogiMAT in 2011 as "Best Product" and in 2013 from US analyst Gartner Inc. as "Cool Vendor".

In 2016 Volkswagen awarded Logivations as "Top Innovator of Volkswagen Scouting Logistics Innovations" and in 2019 voted W2MO as one of 20 "Nominated Top Innovators".

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