PRESS RELEASE

Autonomous, camera-guided transporters with dynamic navigation in logistics

Logivations and A&A Logistik Equipment form strategic partnership to develop autonomous vehicles

Munich and Heidenau (Nordheide), 29 January 2018 – international consulting and software provider Logivations, the leader in "camera-based object identification in logistics", will implement this technology in cooperation with A&A Logistik Equipment for the first time for controlling self-driving transporters in logistics. After all, sophisticated processes of "deep machine learning" and "Computer Vision" allow reliable recognition and localization of all relevant logistics objects.

Premiere at the LogiMAT – self-driving, camera-guided pick carts and transporters equipped with dynamic navigation:

Firstly, the partners will demonstrate a self-driving pick cart and transporter. By "self-driving" we mean a completely autonomous transport platform with load capacity up to 500 kg. The basis for this transporter is the innovative A&A elephant board, equipped with a very maneuverable differential drive.

The revolutionary transporter will be presented already in March at the LogiMAT 2018. Due to camera technology, the vehicle has become fully autonomous. That is why there is no need to install further track guidance, vulnerable radio technologies or other structural add-ons. The transporter can navigate across a warehouse or production area completely by itself.

All the necessary safety equipment is on board as well. Reliable camera technology helps to avoid collisions and drive around obstacles. The location of the transporter is constantly being tracked, so the operator can always guide the transporter "manually" as well.

Dynamic navigation with help of the W2MO platform and integration with WMS

The use of the W2MO platform and the integration with warehouse management systems like SAP or other providers, allow fully dynamic navigation of the transporter. It is not necessary to specify a destination, it will be sufficient to specify only the required product and the transporter can navigate to the corresponding warehouse location by itself.

Cutting-edge deep machine learning technology
The cooperation and use of Logivations´ camera technology enable a very profitable concept. In a typical operational environment with a 10.000 m² area, e.g. in a picking warehouse with approx. 40 transporters, expenses per transporter will be below 20.000 € thanks to the deep machine learning technology.

(Copy or link requested if published)

About Logivations:

Logivations GmbH is an international consulting and software solution provider with headquarters in Munich. The company develops innovative solutions based on advanced web technologies for holistic design and optimization and "deep machine learning" of all logistics aspects. The software solution W2MO is the leading Internet platform for logistics design, 3D-simulation, optimization, performance evaluation and operational management of logistics processes. W2MO has a user-friendly interface and can be easily integrated. More than 30.000 professional users worldwide use W2MO directly from the cloud or locally installed. As SAP Application Development Partner Logivations can provide an integration with SAP quickly and easily. W2MO has been nominated several times, including for the "Best Product" at LogiMAT 2011. Gartner Inc., the US research and advisory corporation, highlighted Logivations in their 2013 report on "Cool Vendors in Supply Chain Management Applications". Volkswagen awarded Logivations as "Top Innovator" for logistics innovations in November 2016.
www.logivations.com

About A&A Logistik Equipment:

Since 1992, A&A Logistik Equipment has been a reliable partner for the growing needs of intralogistics. Innovative products ranging from roll pallets in the standard portfolio to user-oriented solutions in the field of tugger trains and autonomous transport systems are developed and produced in Germany.

Consulting of the customers in their logistics challenges and the presentation of practice-oriented innovations are an essential part of the customer relationship. The LiftLiner tugger train system is the shortest and most agile system available on the market. The A&A LiftLiner is powered purely by electricity and thus it is fully automated. The customer-specific self-driving transport systems provided by A&A Logistik Equipment are characterized by very high integration of additional functions. The product portfolio ranges from transport - FTF to autonomous assembly devices. High efficiency by innovative navigation, Li-Ion batteries, robust drives and simple customer-specific solutions enable high security in the customer's process. www.a-und-a.com

Additional information + pictures:

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Logivations and A&A LOGISTIK EQUIPMENT
form strategic partnership to develop the autonomous vehicles

Pictures:

Picture 1: Autonomous transporter in use (Source: A&A)

Picture 2: 3D warehouse model in W2MO and camera view (Source: Logivations)

Picture 3: elephant board (Source: A&A)