

IDEA & ECA Group



Source / Link: <http://www.boursica.com>

Technology area:

- Artificial Intelligence
- Big Data
- Digital Twins
- IoT and IIoT
- Cybersecurity
- VR/AR
- Robotics
- Automation
- System Integration
- Smart Sensors
- Additive Manufacturing
- Other

Type of good practice:

- Company
- Project
- Initiative
- Programme
- Other

Target group:

- Discrete (smart) manufacturing
- Automotive
- Aerospace
- Metal processing
- Consumer goods
- Pharmaceuticals and chemistry
- Food and agriculture
- Health
- Textiles
- Others: Logistics

Summary:

French logistics supplier IDEA, which operates on large industrial sites like shipyards, aeronautical production units and heavy industry, has chosen ECA GROUP's indoor and outdoor Autonomous Guided Vehicle (AGV) L-S 1PT. AGV L-S 1PT (Pallet Truck) is an electrical ground vehicle of 2.20m width and 3.40m length dedicated to the transportation of pallets, roller containers and plastic pallet boxes of up to 1 ton inside its storage space.

Detailed description:

The French logistics player IDEA has chosen the autonomous logistics vehicle LS 1PT from ECA GROUP to offer efficient and innovative flow solutions. As stated by Jean-Baptiste Bernicot – the innovation director of IDEA – ECA GROUP and the autonomous guided vehicle were chosen due to the company's industrial references and their ability to consider a wide range of autonomous flow solutions.

The innovation director also explained that the partnership with ECA GROUP is strategic since the adoption of the AGV responds to a profound challenge of transformation in the way IDEA organizes and manages industrial flows.

One of the advantages of the new AGV for one tonne loads is its ability to operate day and night. On average, an autonomous vehicle can work twice as long as an ordinary forklift truck, which allows

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operators in the industry to reduce the number of vehicles on site, optimize logistics flows as well as the costs of operation. Autonomous vehicles can take on dangerous and repetitive tasks, thus contributing to greater safety in the workplace.

Equipped with a centralized fleet management system (FMS) to define and track the route and missions of the vehicle, the AGV LS 1PT can connect to the company's warehouse management system (WMS) to optimize the use of different vehicles. The Fleet Management System is compatible with all autonomous vehicles in the ECA GROUP range. The stand-alone navigation system will generally not require any modification to the site's existing infrastructure.

Beneficial Results

The adoption of the autonomous guided vehicle by IDEA is expected to result in a number of benefits, such as:

- It will transport loads between buildings on industrial sites in safe interaction with pedestrians, cyclists and lorries;
- Overall availability day and night, which will improve productivity and will allow industry operators to reduce the number of vehicles operating on site in order to optimize the logistics flow as well as operating costs;
- Equipped with a Fleet Management System (FMS) to define and track the vehicle's itinerary and missions, the AGV L-S 1PT can connect to the company's Warehouse Management System (WMS) to optimize the workflow of different vehicles;
- AGVs are an optimal solution for logistics, even for harsh environments and operating conditions such as in the aluminium industry.

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