

LOGISTICS - AGVS AT COL CABANILLAS

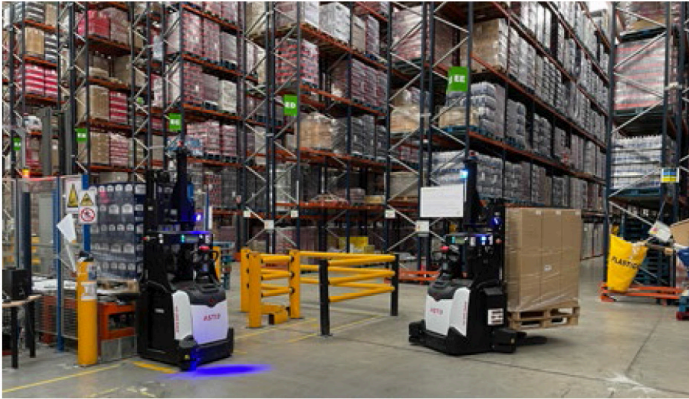
We put more technology in warehouses to improve operations, meeting the growing requirements of our customers, but also energy efficiency. The **implementation of AGVs** for a **pallet operation and handling** at COL Cabanillas (SP) is an example of this. By **replacing 2 handling equipment units operated by persons**, it allowed more efficient equipment to be installed, with lithium batteries (greater **energy efficiency**) which frees employees for operations with greater added value. This implementation focused on productivity improvements and on the reduction of accidents and the increase of safety in the warehouse, maintaining **processes where AGVs and people can coexist** (mixed traffic), with the ability to adjust to market demands.

In every process improvement, in every process manager focused on adding value, we have the power to transform our present and build a better future.

In 2020 the Voice Picking pilot project was implemented in Logistics at COL Carregado 2, to be implemented in the automated warehouse in Guadalajara in 2021. The implementation was a success. It is a working tool for operators that boost productivity and error reduction, but also ergonomics and safety.

The transport capacity for these two machines is 31/ pallets/hour, which means a daily installed capacity of 665 pallets approximately, in a continuous flow, which already takes into account the charging time of the batteries.

Committed to evolving and innovating, transforming what we do to generate value, we understand that our participation in projects with universities is a relevant factor. Luís Simões in partnership with the **Engineering Faculty of the University of Porto** (INESC



TEC), started an innovation project called “Discovery”. This project supports a Master’s thesis and is being developed within the opti-MOVES research project (<https://optimoves.inesctec.pt/>). The main objective of the project is the discovery of relevant operations in the execution of business processes through vehicle positioning data. This project was followed internally by the Innovation and Processes Department.

SDG	ECONOMIC ADVANTAGES	SOCIAL ADVANTAGES	ENVIRONMENTAL ADVANTAGES
	Process efficiency and cost reduction	Involvement of employees, partners and customers Focus on the organisation’s strategy Training / preparing employees for more digital formats.	Reduction of energy consumption in the centres / energy efficiency Reduced of paper consumption