

PRESS RELEASE

Romagnat, the 27/06/2023

Effidence, a flexible company that listens: The implementation of a scalable, multi-storey and interconnected indoor/outdoor **EffiBOT**

- **EffiBOT, a safe and reliable robot that meets the needs of an industrial customer**
- **An ergonomic, multi-destination AMR for indoor-outdoor conveying**
- **A robot able to comply with an evolving process over the long term**

Our customer, an automotive manufacturer, was looking for automation

The warehouse, located in Ile-de-France, was looking for an automation solution to transport automotive parts between its logistics site and its production line. This centre, symbol of innovation and modernity, called on Effidence to implement a solution of autonomous mobile robots, able to operate outdoors and to communicate with the working environment, such as automatic doors.

An ergonomic AMR, with 100% safety guaranteed by multiple sensors

A collaborative and ergonomic EffiBOT solution was therefore delivered, equipped with two platforms and a structure with a multi-destination touch screen for greater interaction between man and robot. This indoor/outdoor AMR moves seamlessly and safely between buildings. The robot, which can be used as a logistics train, is also equipped with a smart coupling system, Hook-A, enabling trailers to be released autonomously.

The safety aspect is enhanced by the presence of 3D cameras integrated into the EffiBOT, to improve obstacle detection and check that doors are open before passing through. To meet the customer's requirements in terms of safety, particularly with regard to cohabitation with different vehicles, Effidence has also added numerous light signals to the robot's structure.

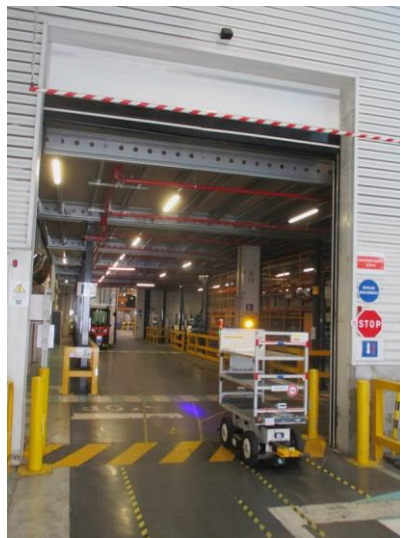
An AMR able to evolve on demand with the process

Today, the car manufacturer is looking to upgrade its process to a gravity conveyor system, with plans to transform its site and install fixed conveyor lines. The new mission will be to make journeys between the various stations.

The existing EffiBOT fleet will therefore be equipped with a [Convey-DROP](#) structure to replace the current trays. This new solution incorporates a fleet management system (FCS), making integration quick and easy.

Effidence solutions can be customized with its various Plug-and-Play elements (fleet manager, on-board equipment, etc.).

The EffiBOT robot :



About Effidence

Effidence provides innovative robotic solutions to optimise intralogistics flows and order picking applications for key players in industry and logistics. Founded in 2009 by Cédric TESSIER, Effidence offers agile and powerful robotic solutions that adapt to the needs of its customers and their growth: collaborative "follow-me" and autonomous robots to work with or near humans; standalone robots or cooperating fleet type "swarm-me". In 2020, Effidence signed a strategic partnership with the Manitou group to distribute EffiBOT robots in Europe and market Manitou warehouse trucks (stackers, tractors, order pickers, etc.) robotized using Effidence technology.

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