

PRESS RELEASE

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A fleet of EffiBOT-XS robots: 2 additional AMRs at Manitou Group's Candé site

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- **Deployment of the fleet; 2 additional interconnected robots for lineside supply**
 - **Productive AMRs and a customer-focused team**
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Development and deployment of the EffiBOT-XS fleet at the Candé site

The Manitou Group plant in Candé has come a long way since last year. This showcase of Industry 4.0 was commissioned at the end of 2021 to assemble Manitou all-terrain aerial platforms. It's a state-of-the-art plant, combining automation and robotic assistance. It is now 5 AMRs, rather than 3, that are working alongside the operators.

These intelligent robots, EffiBOT-XS, were implemented by Effidence, a company specialized in mobile robotics, and its partner Manitou Group, to transport and deliver the components needed to assemble the nacelles on the production lines. These compact AMRs, assembled by LMH, Manitou Group's subsidiary dedicated to warehousing equipment, and robotized by Effidence, are equipped with a gripping module, the [3D-CartGRIP XS](#), which enables them to grip the load safely and to move in a perfectly stable manner.

Like the first 3 robots of the fleet, these 2 additional AMRs are interconnected to various sensors present on the production workstations, to indicate the need for components and the need to route them to each assembly line. All these actions are controlled by the Effidence fleet manager. In this way, Manitou Group aims to automate certain tasks that were previously manual, to improve the working conditions of each employee.

Simple mapping changes have made it possible to adapt better to the activity at the Manitou Group plant in Candé, in line with changes in the location and configuration of production lines.

A team that listens, is available and responsive for the installation of high-performance AMRs

Michel Merceron, project manager for the new Candé plant, comments: *"The close collaboration between Manitou Group and Effidence was essential for the roll-out of this project. After a necessary fine-tuning phase, we have achieved the objectives set thanks to this automation, namely safer co-activity with existing flows on the site. The operators are delighted to be working with the robots, which are now part of their daily routine."*



About Effidence

Effidence provides innovative robotic solutions to optimise intralogistics flows and order preparation applications for industrial and logistics players. 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.) robotised using Effidence technology.

About Manitou Group

A world leader in materials handling, people lifting and earthmoving, Manitou Group's mission is to improve working conditions, safety and performance throughout the world, while protecting people and the environment. Through its flagship brands - Manitou and Gehl - the group designs, produces and distributes equipment and services for construction, agriculture and industry. By placing innovation at the heart of its development, Manitou Group constantly seeks to add value for all its stakeholders. Thanks to the expertise of its network of 900 dealers, the group is closer to its customers every day. Faithful to its roots, with its head office located in France, Manitou Group will record a turnover of 2.4 billion euros in 2022 and brings together 5,000 talented people throughout the world with passion as their common driving force.

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