



## PRESS RELEASE

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### Effidence and Manitou Group integrate Datalogic security and identification products into their stacker robot fleet solution for order picking

- **Decisive technology partnership: a leader in traceability, global customer service, proven solutions with high added value**
- **Sentinel, the hybrid safety & navigation LIDAR: responsive and high resolution, for even more interaction with operators in collaborative mode and more efficient autonomous navigation**
- **New identification functionalities integrated into the stacker robot to improve picking productivity and traceability of pallet movements**

**Romagnat, France**, the 7<sup>th</sup> of september 2021 - Effidence, a pioneer in collaborative mobile robots, and Manitou Group, world reference in handling, lifting and earthmoving, have adopted the security and identification products of the leader Datalogic, for their pallet order picking robots.

#### **Datalogic, the strategic partner of our ecosystem based on the pillars: security, identification and traceability**

Most of the solutions on the market focus solely on moving already assembled pallets. Very few companies address the issue of order picking through the use of robots. Yet, it is a significant productivity lever for 3PL logisticians. Effidence answers this problem with robotic solutions connected in real time to the WMS. Our robots assist the pickers by providing them with a visualization of the items to be picked, with their arrangement to be respected on the pallet, as well as mobile devices for the identification of the packages. Within the same aisle, these collaborative robots automatically follow the pickers' movements, remaining constantly parallel to the shelves. For items to be picked from other aisles, the robots, equipped with their order in progress, automatically transport their pallet to the next pick destination. Once the order has been completed and dropped at the automatic filming machine, these AMRs transport the pallets to conveyors or shipping docks, ensuring their traceability.

For each of these stages, Datalogic has been able to provide relevant technological solutions: Skorpio™ mobile handheld computers, Laser Sentinel security laser scanner, and onboard laser barcode reader. Cédric Tessier, President and founder of Effidence, explains: *"We build robotic solutions that are part of an ecosystem. Datalogic has become an obvious partner in this ecosystem, contributing to our end-to-end robotic logistics solution: security, identification and traceability. This leader meets our core values: it is a company with cutting-edge expertise, especially in data capture, an international reach and customer proximity all over the world."*

## **Laser Datalogic Sentinel; optimal reaction time + multiple monitored areas = the ideal scanner for collaborative robots operating close to operators**

Newcomer on the safety laser scanner market, Datalogic's Sentinel product offers impressive performance: one of the lowest reaction times on the market combined with a large number of safety zones, high-resolution perception with an angular step of 0.1° including connected slaves, hybrid operation with personal safety (SIL-2/PL-D) and navigation measurements. All in the same sensor. The safe reaction time of the Datalogic scanner was a key feature. Given the collaborative nature of the robot and its interaction with nearby operators, a very short reaction time and multiple zones ensured that the safety zones were kept small and optimal, allowing operators to move naturally and very close to the AGV in complete safety and without generating unwanted stops. The high angular resolution of Sentinel, with a range of 40m and a 360° perimeter view around the machine thanks to three chained Sentinel sensors, allows these sensors to be used for robot location and navigation functions. It is no longer necessary to add an additional 360° sensor on top of the machine.

Thibaut de La Bigne, Managing Director of LMH, Manitou Group's warehouse storage subsidiary, adds: *"Our aim is to offer machines that are built to last and we are working against programmed obsolescence. The Datalogic Group's maintenance policy is in line with our values: strong, sustainable products, designed for easy maintenance and repair, all with a global and efficient customer service."* Maintenance of the Sentinel is eased with a diagnostic screen; the scanner can be repaired by changing only the necessary parts; if a sensor fails, the operation is made easier with a removable memory that keeps the sensor configuration and does not require the use of computers.

*"At Datalogic we are convinced that the robotics market is still at its beginning. Today, less than 1% of pallets worldwide are moved by intelligent robots. This statistic is even lower for order picking applications while paradoxically the e-Commerce market is exploding. Effidence and Manitou's approach to combine autonomous robots, identification and traceability in the same solution to digitise and automate this order picking with collaborative robots that interact even more with the pickers to boost their productivity is the solution of the future for logistics 4.0"* declares Cosimo CAPUZZELLO General Manager of the Sensor&Safety and Machine Vision BU at Datalogic.

### **About Effidence**

Effidence provides innovative robotic solutions to optimize intralogistics flows and order picking applications of the industry or logistics. Founded in 2009 by Cédric TESSIER, Effidence offers agile and efficient robotic solutions that adapt to the needs of its customers and their growth: collaborative robots "follow-me" and autonomous to work with or near humans, standalone robots or cooperating fleet type "swarm-me". In 2020, Effidence has signed a strategic partnership with the MANITOU group to distribute EffiBOT robots in Europe, and market MANITOU warehouse trucks (stacker, tractor, order picker, ...) robotized from Effidence technology.

### **About Manitou Group**

Manitou Group is a global leader in materials handling, people lifting and earthmoving equipment. Its mission is to improve working conditions, safety and performance throughout the world, while protecting people and the environment. Through its three emblematic brands - Manitou, Gehl, Mustang by Manitou - the group designs, produces and distributes equipment and services for the construction, agricultural and industrial sectors. By placing innovation at the heart of its development, Manitou Group constantly seeks to bring value to all its stakeholders. Thanks to the expertise of its network of 1,050 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 1.6 billion euros in 2020 and brings together 4,400 talents throughout the world with passion as a common driving force.

### **About Datalogic**

Global technology leader in the automatic data capture and factory automation markets since 1972, specialized in the designing and production of barcode readers, mobile computers, sensors for detection, measurement and safety, machine vision and laser marking systems. Datalogic S.p.A. is listed in the STAR segment of the Italian Stock Exchange since 2001 as DAL.MI. Visit [www.datalogic.com](http://www.datalogic.com). Datalogic and the Datalogic logo are registered trademarks of Datalogic S.p.A. in many countries, including the U.S.A. and the E.U. Skorpio is a trademark of Datalogic S.p.A. and/or its affiliates.



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