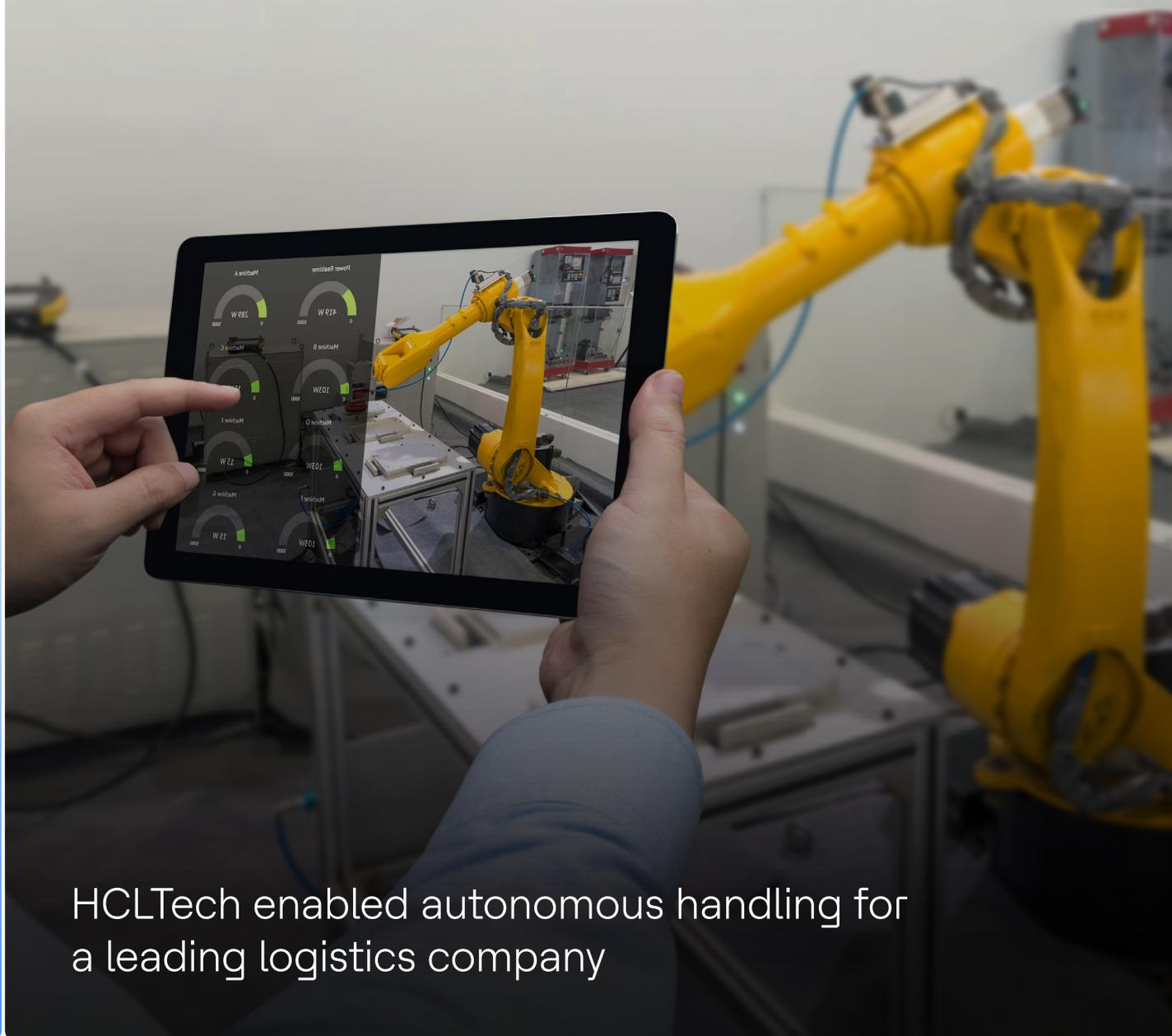


Revolutionizing warehouse automation with **Robotics Hub** Integration



HCLTech enabled autonomous handling for a leading logistics company

The client is the world's leading logistics company with 380,000 people in over 220 countries and territories working every day to help cross borders, reach new markets and grow business with around 1.8 billion parcels delivered every year.

The Objective:

To create a standardised integration and integration of AGV and robotic machines and eliminate / reduce the need to customize through automation.

The challenge:

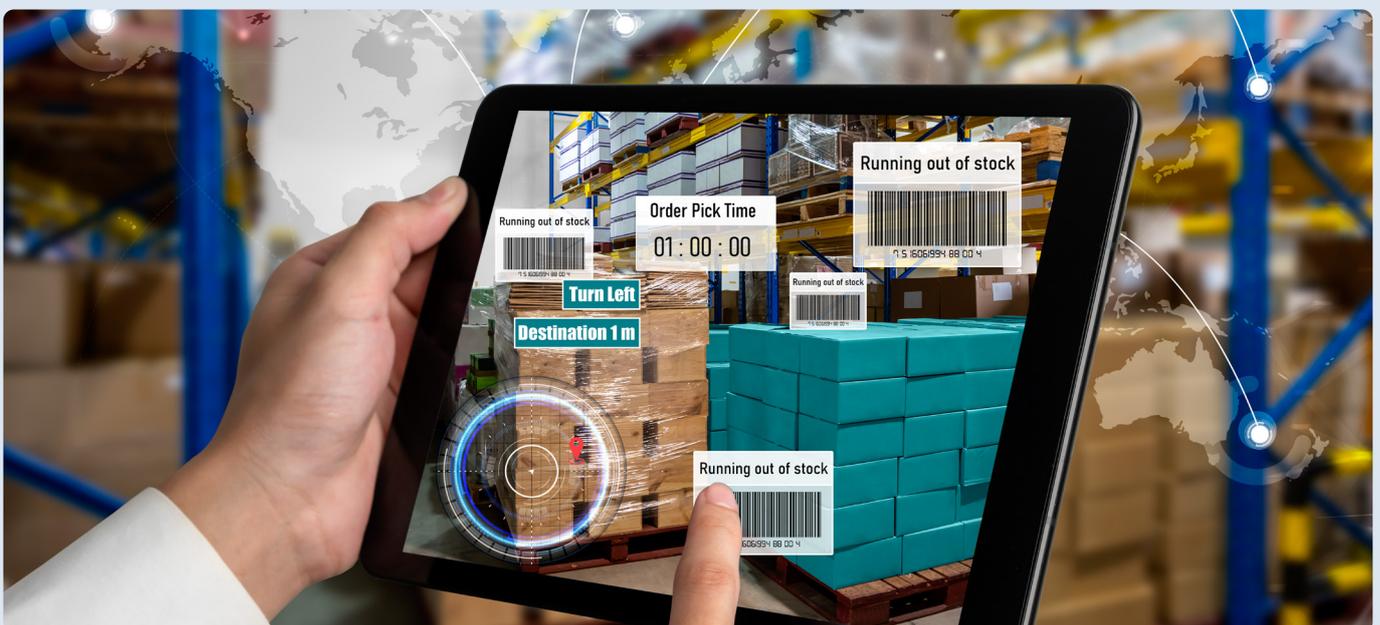
Excessive time required to onboard a new vendor in the automation space and manual effort in the existing warehouses.

The Solution:

HCLTech along with multiple vendors such as Max AGV, Rocla AGV and LocusBot, helped in automation with AGVs/robots placed into the Operations. The AGV process to transition from manual handling in fully autonomous handling and the bots to assist in the picking process by moving between pick bins in a more optimized traveling sequence. This has been done through the utilization of the robotics hub from Blue Yonder.

We developed seven outbound and seven

inbound interfaces to communicate with robotic hub through BY connector. This interfaces currently supports manual replenishment, inventory moves and carton pick and list picking in progress. File format used are XML. Once a LUMI type task is created in BY WMS, immediately it will be sent to Robotics Hub for further processing and whenever WMS receives transactions from Robotics Hub, the WMS processes them and responds to the transaction status inside the Robotics Hub.



The Impact:

The robotics hub is an extension of the WCS module in BY WMS now allowing a standardized integration and execution of AGV and robotic machines. This reduces the time to onboard a new vendor in the automation space and reduces the need for customization to have this start working and enable further automation in existing warehouses.

