TAKE YOUR PICK

INVESTMENT IN THE DEVELOPMENT AND DEPLOYMENT OF AUTONOMOUS SORTING SOLUTIONS IS HIGH RIGHT NOW, WITH MANY COMPANIES LOOKING AT HOW THESE SOLUTIONS CAN HELP CUT COSTS, IMPROVE EFFICIENCY AND MEET NEW COVID-19 HEALTH MEASURES. *PPTI*'S **HELEN NORMAN** REVEALS THE LATEST TECH AND PROJECTS TO ENTER THE MARKET

SOLY MOVE ROBOTS
Company: **Solystic**

Since late 2019 Solystic has been working with La Poste to help it autonomously transport bulky items at Paris-Charles de Gaulle Airport (CDG) in France. The company has implemented 40 of its Soly Move robots at the site, where for 20 hours a day they transport parcel bags, packages and letters between the arrival aircraft and the departing trucks and processing sites. The robot fleet operates in an area of 14,000m^2 (150,700ft^2) and can handle 600 objects per hour. Each robot can handle items weighing up to 50kg (110 lb).

To design and validate the configuration of the CDG site, Solystic used its SOSI simulation platform in close cooperation with La Poste. The autonomous robots have enabled La Poste to create a flexible solution that works safely alongside other vehicles and people at the airport.

The Soly Move robots have been designed with full autonomy in mind. When a robot has a low battery it automatically travels to a charging station where a robotic arm exchanges the low battery for a recharged one.

Depending on the future demands for the CDG project, Solystic can increase the fleet of Soly Move robots to 70. La Poste rents the robots, so can easily scale up or down according to demand.

As well as the CDG project, Solystic is also working on an autonomous solution at a site with another entity of La Poste Group. This project will automate the handling of non-conveyable parcels. This leasing contract is based on the operation of around 50 Soly robots and a robotic station for the replacement of batteries. The deployment of the system will take place in 2020 and the leasing will include the maintenance service.

Soly Move has been designed to autonomously sort and transport baggage and irregular-shaped parcels in logistics operators' hubs