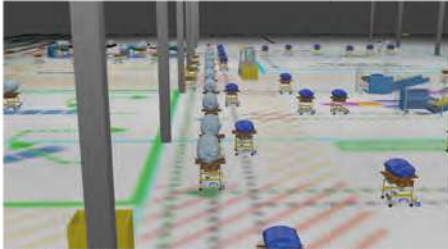


La Poste automates the processing of its PIAC platform at Paris Charles de Gaulle



Solystic's Soly Move robots will provide a flexible alternative to traditional static conveyor systems

The influx of international packages is a real challenge for posts, placing great demands on their routing and distribution capacity. In this context, La Poste has decided to automate the processing of its industrial sorting platform (PIAC) based at Paris Charles de Gaulle Airport through a call for tenders. Solystic won the contract for the interface between aircraft arrivals and trucks, as well as for parcel processing. This interface concerns the transportation within the PIAC of very diverse objects such as parcels, trays, parcel bags and bulky items, to the various processing sites and storage areas.

Solystic has proposed using its mobile robot solution, Soly Move, for this function. This is an innovative alternative to conventional conveyors, which have disadvantages in the context of PIAC and end up with many different transportation paths. Examples include ground conveyors, which act as obstacles for human operators – often requiring bridges to cross them – and for vehicles and overhead conveyors, which complicate maintenance tasks such as working at height.

The Soly Move solution proposed by Solystic minimizes these disadvantages, as the mobile robots only occupy the space of the unit at any given time. The solution is based on robots towing trolleys with wheels and a structure that allows objects – such as parcels, bins, bags and bulky items – to be transported safely. These trolleys are transported by mobile robots with great precision between the loading and unloading points. Transfers to these points are automated with simple and robust means.

The robot fleet control software is provided by Solystic and makes the routing

decision within the PIAC based on the object's label and the route instructions given to the Soly Move mobile robots. Robots are able to detect physical obstacles and operators in their environment.

The other decisive advantage of the Soly Move solution is its scalability. It is a tailor-made solution without any fixed infrastructure and is able to adapt to changes in flows and processes. The fleet of mobile robots – with a minimum of 40 robots – will be adjusted by increasing and decreasing their number in real time, according to the PIAC's peaks of activity.

The charging operation of the Soly batteries will be automated, so no need for an operator. The deployment of Soly Move will be carried out gradually over 2019.

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