



AIR FRANCE CARGO AT CHARLES DE GAULLE AIRPORT

Airport: Charles de Gaulle (CDG) | **Project Place:** Paris | **Project Country:** France | **System Description:** ULD Handling System | **Start Date:** 2018, December | **Commissioning Date:** 2021, May

SACO has supplied the Buffer TEP to Air France Cargo (AFC). This system is a ULD transport system that is designed to automatically, convey ULD's from the Truck docking area to the Automated Guided Vehicle (AGV) docking area and vice versa. While transporting the ULD's, the TEP system tracks the position of each ULD and their priorities.

First serve those pallets with high priority

Based on this information the system computes the routing priority in order to first serve those pallets with high priority. The pallets can be placed or removed from the system

using trucks, trolleys or AGV. The TEP is able to Operate in 4 different modes (Fully Automatic, Semi-Automatic, Manual and Maintenance Mode) and communicate with the Warehouse Management System (WMS), Warehouse Control System (WCS), the AGV management system and AGV's to push or pull the required information in order to identify the ULD/pallets and their destinations. The SCADA is displayed on a 19" screen making the system very straight forward and user friendly.

The TEP consists of the following equipment:

- 31x Motor powered Roller Decks, NEP, various sizes
- 21 x Motor powered Roller Decks, WEP, various sizes
- 11 x Motor Powered Right Angle Deck
- Walkways and steps
- Heavy duty protection barrier with rollers
- Electrical Control System (PLC based) including:MCC and operator desk, operator panels.

