

## Pallet Handling System for the Oman Air In-Flight Catering Facility, Muscat International Airport, Oman

ASS Pte Ltd were engaged by Galfar Engineering and Contracting SAOG to implement a Pallet Handling Conveyor System at the Oman Air In-Flight Catering Facility located at the Muscat International Airport, Oman.

The original supplier of the conveyor system decided not to complete the project. ASS were asked to install the system and provide the associated PLC and SCADA Software Systems.

The system comprises several Roller Conveyors, a Cross Transfer Conveyor complete with Lifters, a Load Cell Conveyor, and a Profile Check Frame.

The Conveyor System interfaces with 2 No. Smiths Detection Systems X-Ray Machines.

The System is located at the Receiving Area of the facility. Delivered Pallets are exchanged to In-House Pallets via a Pallet Exchanger System. The Pallets are loaded onto the Conveyor System, where they are checked for dimensions and weight.

The Control System transports the Pallets to an active X-Ray Machine, or Machines, dependent on machine availability. The X-Ray Machines are fully integrated to the Conveyor Control System.

HMIs are provided for Operator control and Maintenance. Full visualisation is provided via the SCADA System.



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