

# Airport Baggage Handling Simplifies Control Power While Increasing Safety

## RESULTS

- Distributed control power with a power supply that does not require building an enclosure for a long conveyor system.
- Ease of installation offered decreased costs.
- Power delivered safely eliminating arc flash hazard concerns.
- No PPE required to open and work on control cabinets.



## APPLICATION

Airport Baggage Handling Conveyor

## CHALLENGE

A large airport had a project for a new baggage handling system which a number of baggage handling integrators were quoting, hoping to win the project. The airport allocated funds to update their current system, in search of the safest, most reliable solution.

## SOLUTION

A baggage handling integrator incorporated the SolaHD SCP-X Series Standalone Power Supplies by Emerson to provide reliable distributed power to machine device controls along the baggage conveyor systems. The complexity and cost of separate enclosures and excess wiring are eliminated, as the SCP-X Series is self-sealed in a corrosion resistant IP67 rated enclosure, making it watertight. Installation was easy and cost effective. The quick-connect cables on the SCP-X allow for a fast hookup to power. By eliminating the enclosure, terminal blocks, and assembly costs, the integrator was able to get a competitive cost advantage. In addition, because the SCP-X Power Supplies can be mounted anywhere, in any orientation, installation outside of the main control cabinets was feasible. This allowed the 24 Vdc power supply to remain in the control cabinet. Removing the AC power eliminated the safety concern of arc flash hazards, allowing maintenance personal to access the main enclosure without the need for personal protective equipment. Thanks to the SolaHD SCP-X Series Standalone Power Supplies, the integrator was able to win the project and provide the airport with a safer, more efficient baggage handling system.

*The SolaHD SCP-X Power Supplies provide distributed control power safely and reliably.*



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