

## **PROJECT PROFILE**

**APRIL, 2009**

### **Client:**

- Pteris Global Conveyor Systems, Singapore
- Sky Harbor International Airport, Phoenix, AZ

### **Construction Consortium:**

- Copper State Bolt & Nut
- Western Industrial Contracting



## **Baggage handling gets a boost at Sky Harbor International Airport**

### **Powers Power-Stud+ SD1 gets the call**

PHOENIX, ARIZONA — To say the Sky Harbor International Airport in Phoenix is a busy place is an understatement. The multi-faceted facility welcomes more than 100,000 passengers and more than 1,500 individual flights each day., with thousands of pieces of luggage finding their way to its vast conveyor system. A system that hasn't been significantly up-graded since it was installed in the 1970s. At least, until now. A new luggage handling conveyor system is being installed at the airport — a four-phase rehab program of the airports heavily-used baggage handling system. Phase 1 started last year and the final phase is slated to be complete by the end of the year.

Before work began, local Powers representatives made contact with the onsite project manager/engineer from Pteris Global Conveyor Systems, Singapore, to discuss ways that Powers products might be used to save time, save money and make the efforts more efficient. The ensuing conversations, made that much harder by a distinct language barrier, uncovered that Hilti's "TZ" IBC 2006 approved wedge anchors, were originally specified for overhead work and Kwik Bolt 3 anchors for the floor mounts. Being from Asia, Pteris Global was familiar with Hilti and was ready to place an order when Powers Branch Manager, Craig Hering, offered an alternative. He suggested using Powers Power-Stud+ SD1 and Powers Power-Stud+ SD2 wedge expansion anchors, explaining that these two anchors are also code compliant and each met or exceeded all the specs for the job at significantly lower cost. The onsite engineer submitted both products for head-to-head testing with the Hilti products and Power-Stud+ SD1 anchors outperformed the competition and are being used throughout the project.

In addition, a large quantity of Fat Head full carbide drill bits was added to the order for more efficient drilling where the odds of hitting rebar were high.

Both Power-Stud+ SD1 and SD2 anchors are code compliant for use in cracked and uncracked concrete. Both have carbon steel zinc plated bodies. SD1 has a carbon clip and SD2 has a 316 Stainless steel clip.