

Intelligent software algorithms are a break through success for open gate RFID baggage identification at airports

The Siemens Airport Centre SAC in Fuerth is the largest operating test centre in the world for Baggage Handling Systems (BHS). The SIMATIC RBS RFID system which is used by Siemens to identify baggage inside a special RFID-tunnel was developed and tested there. This SIMATIC RBS technology was then applied at the international airport in Wuhan (China) and generated excellent results.

The Siemens RFID-tunnel solution is an `Open Gate Solution` which was made possible by the recent development of an intelligent software algorithm for RFID baggage identification. Further advantages of the Open Gate Solution are the simple mechanical integration into the conveyor and its compact application alongside a barcode scanner.

What the intelligent software algorithm demonstrated was that it is possible to have a baggage tag reading rate of more than 99 percent, at less than one meter spacing between bags, and within an open gate tunnel. Furthermore, it was guaranteed that baggage would be identified in the correct order as they arrive.

Productmanagement SIMATIC RBS
Manfred Stey I IA SE SH 4`