Neural Networks

Use CCTV for object detection

Real-Time baggage classification from check-in to the aircraft

Benefits

+ Baggage tracking on conveyors and sorting machines (e. g. visual recognition, label identification)
+ More cost effective support for the IATA Resolution 753
+ Data collection and evaluation to obtain information on increasing productiveness and cost efficiency
+ Increasing the throughput of the existing conveyor technology (e. g. reduction of no-reads, detection of plant malfunctions)
+ Exception handling on-the-fly
+ Process optimization via live streaming

PSI

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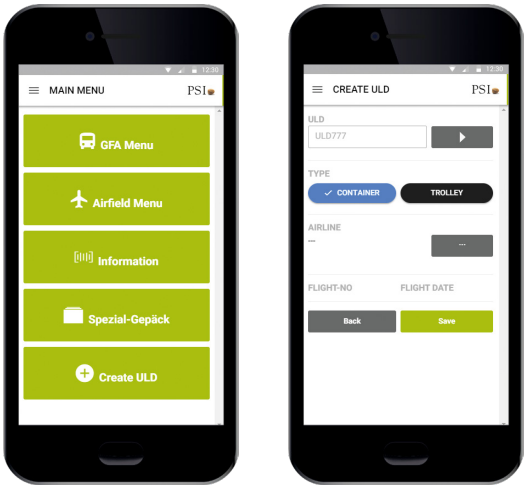
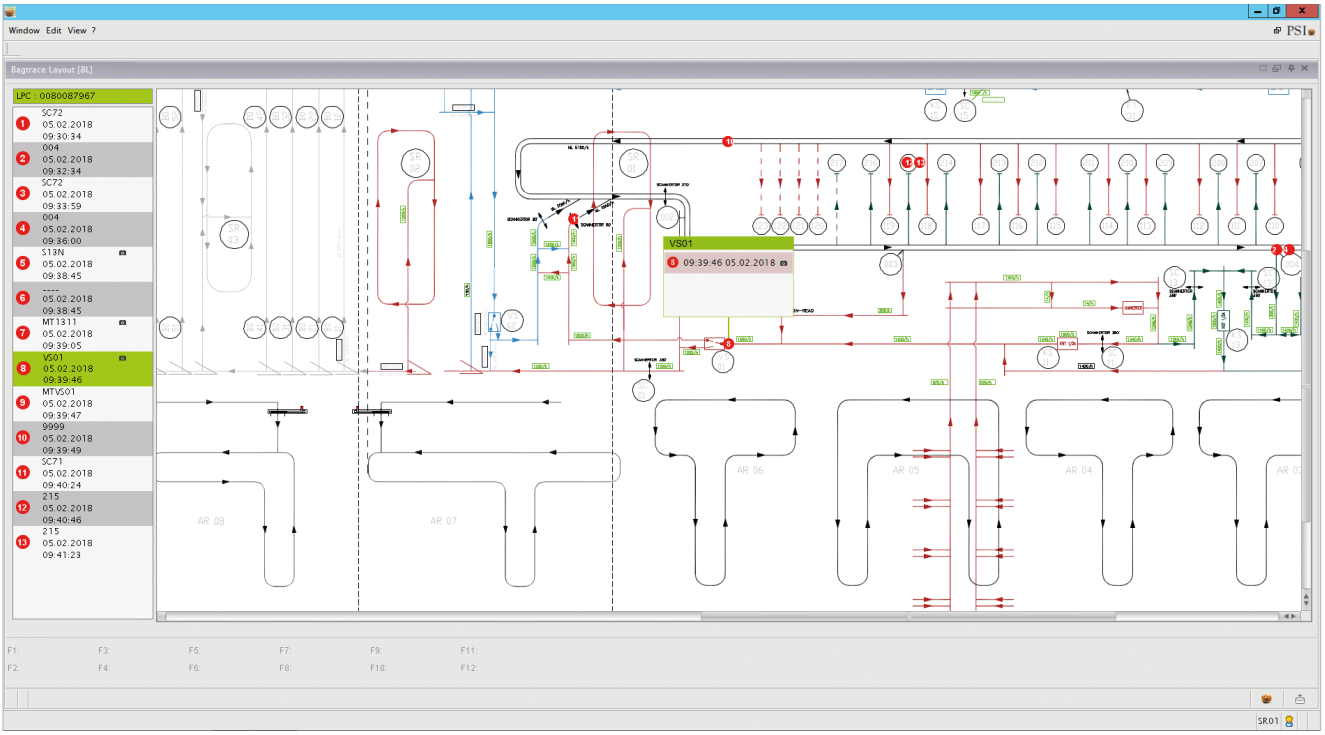
Information about using CCTV

CCTV combines high resolution video tracking and documentation with AI methods for object detection and classi-fication. This solution delivers a complete real time localisation system based on video supervision to track baggage or any kind of carriers, boxes or parcels in a sorting center.

Deep Qualicision based object classification with neural networks is used to identify baggage, labels and baggage characteristics in real time. This information combined with PSIbhs despatching and PSIbrs tracking system data leads to an high quality baggage handling process with less exceptions and no-read checks. Conveying systems tracking functionality with hundreds of barcode readers could be simplified and partly replaced by our high-resolution video based tracking. On-the-fly detection with video coding is used to reduce the load on No-Read-Terminals. With less exceptions we realize a significant quality improvement on a higher automation level.

Use your CCTV video material for real process impro-vemets.





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