AIRCRAFT PROTECTION SYSTEM

COLLISION-FREE PUSHBACK ON THE APRON
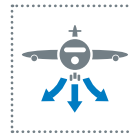
SICK
Sensor Intelligence.

Object detection systems

Due to increasing efficiency pressure and the ever more dynamic environment, work and process safety are becoming more and more important at the airport. Whether aircrafts need to be pushed or towed, there is a major risk of collision.

The Aircraft Protection System (APS) provides a reliable warning that prevents collisions with other airport ground vehicles and the airport infrastructure to assist the driver with pushback, maintenance, and maneuver towing.

Efficient and seamless maneuvering of aircrafts

Reduced aircraft turnaround time

Support and relief of the driver
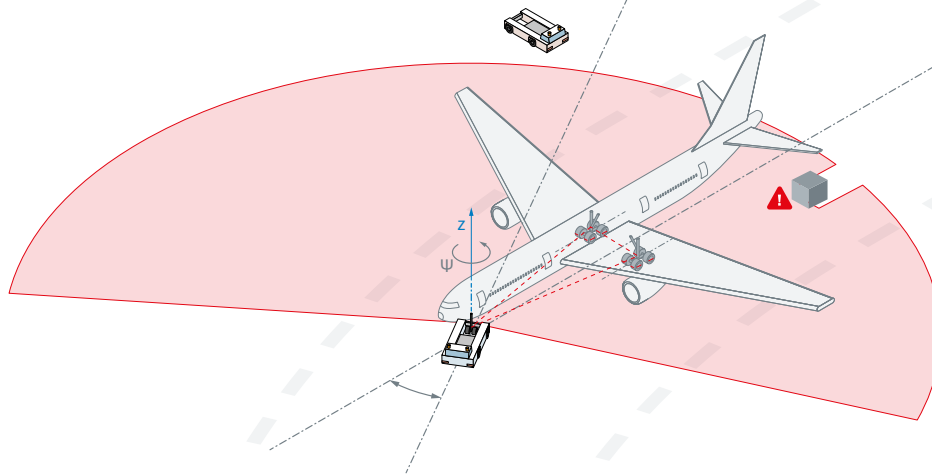
Reduced repair costs and downtime

www.sick.com/APS

⊕ Visual and acoustic warning

Dynamic warning field
- Integrated detection of the aircraft type and realistic visualization
- Display of the towing corridor
- Collision-related obstacles are highlighted

Application-specific warning strategy
- Adjustable safety distances
- Acoustic warning signal can be switched on or off based on vehicle movement
- Adjustable speed warning thanks to GPS interface

⊕ Advanced reliability

Robust LiDAR-technology
- Detection and tracking of moving and stationary obstacles
- Stable system behaviour even in bad weather conditions

Self-diagnostics function
- Automated fault detection and targeted maintenance

⊕ Cost-effective retrofitting

Compact system hardware
- All signals can be connected directly to the touch display
- Easy cabling and connection of system components

Integrated installation wizard
- Simple and fast installation and operation

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