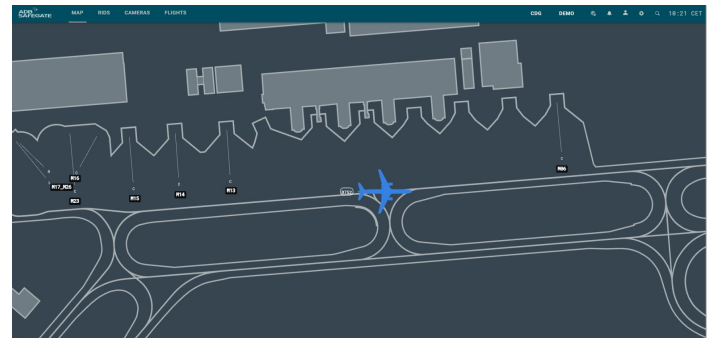# GATE

ADS-B

Situation Awareness Integration with SafeControl Apron Management System

Compliance with Standards (current edition)

Compliance with CE.

Uses

Aircraft and vehicles equipped with a ADS-B transmitter can be tracked in real time and visualized in SafeControl Apron Management (SAM).

Features and Benefits

- Displays real-time tracks of aircraft and vehicles in SAM HMI
- ADS-B based flight tracking information enable track-related features for ADB Safegate Gate-solutions – especially for airports without A-SMGCS
- Supported features such as just-in-time docking, stand occupied alert, and ALDT [1] without A-SMGCS
- ADB Safegate´s install base with A-SMGCS coverage is less than 5%
- Passive antenna with a range of up to 450 km around the antenna location
- Focus on ground level monitoring of the airport and further 10 km of in-/outbound area

Maintenance and Installation

The cabinet and antenna can be mounted as one unit or split with a maximum distance of 9 meters to the antenna. Installation requires network access, as well as ethernet and power cables.

Accessories

ADS-B receiver
ADS-B omni-antenna
GPS antenna
Cabinet
Overvoltage protections
Hydrostat
Heater
Thermostat
Antenna, power and ethernet cables

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[1] Actual Landing Time

Power Supply

230 V

Technical Specifications

Ingress protection[1]	IP65
Omni antenna, passive	978/1090 MHz
Sensitivity	–93 dBm
Enclosure	Painted sheet steel Optional: Stainless steel
Mechanical impact protection	IK08

Notes
[1] Both the ADS-B receiver cabinet and omni-antenna

Operating Conditions

Operating temperature	–25 °C – 55 °C
Storage temperature	–25 °C – 65 °C
Relative humidity	10% – 95%
Altitude	0 – 2000 m

Dimensions and Weight

Dimensions (H × W × D)	1100 × 330 × 100 mm
Weight	30 kg