# ELDIS
### RADAR SYSTEMS

## ADS-B
# ADS-B GROUND STATION

Aircraft equipped by a transponder with extended squitter functionality can automatically and periodically transmit information about their identification, position, speed and other information without being interrogated. This information can be received by the ADS-B Ground Station, which provides information about the movement of these aircrafts into the ATC system.

› ADS-B Ground Station is designed for installation in rack with possibility of placement both inside and outside the building. It is available in modular configurations including fully backup system.

› ADS-B Ground Station includes interfaces for parameters setting, diagnostics and interface for detected data transmission.

› ADS-B Ground Station is a good supporting solution to MSSR-1. It can be integrated, yet independent system.

› The ADS-B System is designed as an unattended system capable to operate 24 hours a day, 365 days a year while simultaneously performing self-testing and reporting status to the CMS, time of service life of 20 years.
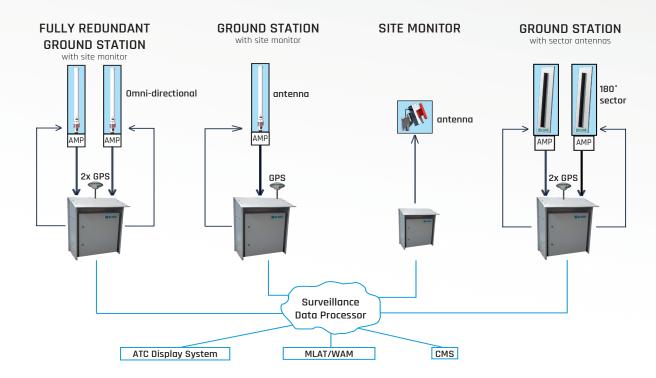
## MAIN FEATURES

› The ADS-B Ground Station meets EUROCONTROL and ICAO standards including ED-129-B, DO-260, DO-260A, DO-260B

› Compact solution

› Variability - open modular architecture, solution flexibility

› Low power consumption

› Long range, up to 250 NM

› Default output formats: Asterix CAT21, CAT23, CAT25, CAT247, raw data

› Possibility of integration with other systems: MSSR, TIS-B, MLAT, WAM

› Control and Monitoring via proprietary / SNMP protocol

› Availability of system better than 99,9%

› Antenna types: omnidirectional, directional or user variable

› Time synchronization using NTP or internal GNSS receiver

## SUPPORTED DOWNLINK FORMATS

› DF17

› DF 18(CF=0, CF=1)

› DF19 (AF=0)

› DF4, 5

› DF11

› DF20, 21



**FULLY REDUNDANT GROUND STATION**
with site monitor

Omni-directional

AMP    AMP

2x GPS

**GROUND STATION**
with site monitor

antenna

AMP

GPS

**SITE MONITOR**

antenna

**GROUND STATION**
with sector antennas

180˚ sector

AMP    AMP

2x GPS

Surveillance Data Processor

ATC Display System     MLAT/WAM     CMS

**ELDIS Pardubice, s.r.o.**
Dělnická 469, 533 01 Pardubice, Czech Republic

MEMBER OF \ CSG aerospace