



## ADS-B

### Automatic Dependent Surveillance-Broadcast (MSS-5 system)

Automatic Dependent Surveillance-Broadcast (ADS-B) technology is one of the key elements of contemporary air traffic management systems globally.

ADS-B system represents product derivative of MSS-5, the ERA latest product line in the field of the non-radar surveillance technologies.

ERA provides both, standalone ADS-B station as well as a smart network of ADS-B stations with a single output. ADS-B is also available as an option to any of ERA multilateration solutions.

With ERA's unique combination of multilateration and ADS-B functionality, next-gen composite multi-sensor surveillance becomes deployable today.

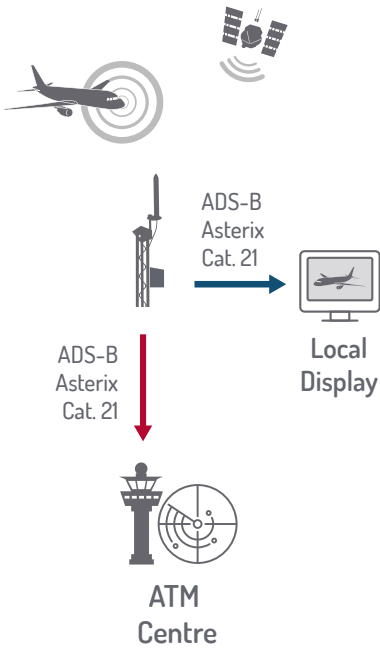
#### KEY FEATURES:

- ✓ 2020+ standards readiness (ADS-B v3, DO-260C)
- ✓ Dual Station Data output: ASTERIX format and raw Mlat
- ✓ Expandable modular solution for flexible deployment, mast up or down
- ✓ All weather conditions - any climatic or terrain challenges
- ✓ Worldwide GNSS Synchronization (GPS, GLONASS, GALILEO, BEIDOU)
- ✓ Low life cycle costs

SOLUTIONS AND USE CASES:

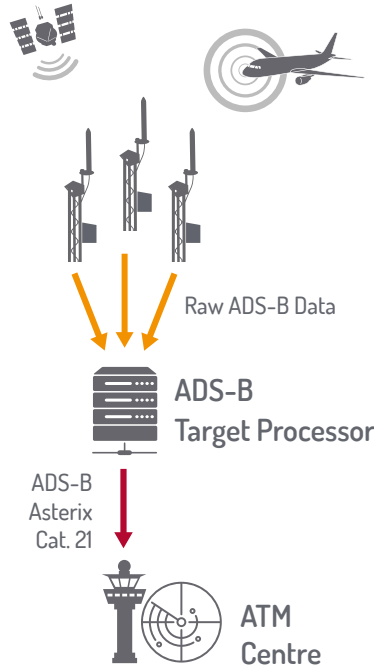
ADS-B STATION

- Easy Deployable
- 2 modules
- Cost effective



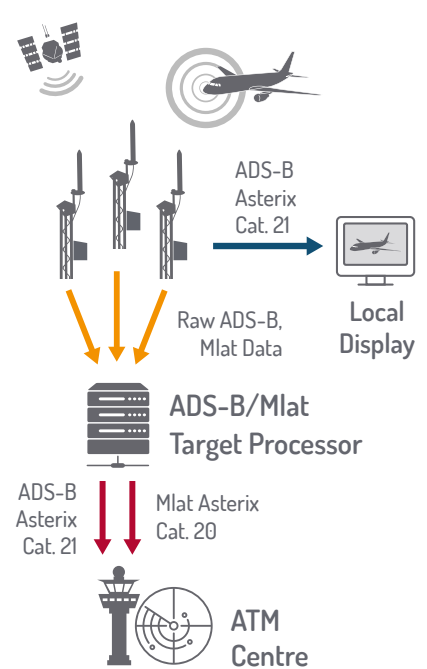
ADS-B SYSTEM

- Extendable
- Full diagnostics
- Long term Storage



ADS-B/MLAT COMPOSITE SYSTEM

- ADS-B validated data
- Independent data processing
- Spoofing, jamming, transponder malfunction analysis



ERA ADS-B REFERENCES (shortlist):

- Medan (Indonesia) - operational 2016
- Sri Lanka - operational 2017
- Tbilisi (Georgia) - operational 2018
- Hungary - operational 2020
- Bhutan - operational 2022
- Fiji - operational 2022
- Nepal - project in progress (contract 2019)
- Saudi Arabia - project in progress (contract 2019)
- Oman - project in progress (contract 2022)
- Germany - project in progress (contract 2022)

More than 2000+ ADS-B equipment installed worldwide (also as part of WAM/MLAT systems) in 67 countries.

ARCHITECTURE:



RM01 - Receiving Module



SM01 - Supply Module

BASIC SPECIFICATIONS:

Type of system	ADS-B System
Number of input channels per station	2
Type of targets	DO-260, DO-260A, DO-260B, DO-260C
Coverage	up to 300 NM
Operating temperature	-40°C to +60°C
Relative humidity	up to 100 %
PoE	4x60 W
Modulation	PPM, Phase Overlay PSK
Racks	outdoor (standards IP65) x indoor

SALES DEPARTMENT

+420 467 004 387  
sales@era.aero

ERA a.s.  
Průmyslová 462  
530 03 Pardubice  
Czech republic

[www.era.aero](http://www.era.aero)