

ATM SYSTEMS




# Selex ES<sup>®</sup> Air Traffic Management Solutions

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Selex ES Inc. is an international subsidiary of Leonardo S.p.A.

 Made In The USA

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# AIRPORT-WIDE SOLUTIONS FROM LEONARDO'S INTERNATIONAL SUBSIDIARY, SELEX ES INC. INCLUDES NAVAIDS AND AIRPORT SURFACE MANAGEMENT, ENABLING COLLABORATIVE DECISION MAKING (CDM)



## SELEX ES<sup>®</sup> ILS

ILS is a precision runway approach that provides pilots with both vertical and horizontal guidance

- › Approved CAT I, CAT II, or CAT III
- › Centralized Spare Parts Depot for all facilities
- › Can replace any existing ILS in the NAS regardless of manufacturer for a cost efficient option
- › Current DoD programs of 31 ILS systems for the US Navy
- › 144 ILS systems qualified for and delivered to the US Air Force
- › Enhanced remote maintenance & flight check

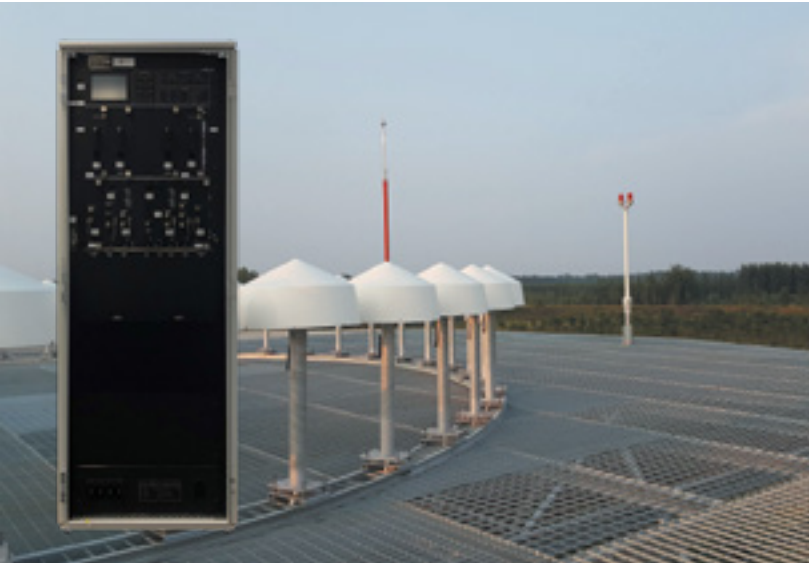
## SELEX ES<sup>®</sup> VOR

VORs provide azimuth information for en route navigation and approach services

- › Available in Doppler, Conventional, and Mobile configurations
- › VOR installation services
- › Dual and single equipment
- › Comprehensive Remote Maintenance Monitoring (RMM)
- › ICAO Annex 10 compliant



# SOLUTIONS FOR NAVIGATION INFRASTRUCTURE MODERNIZATION



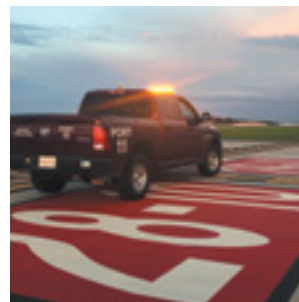
## AeroBOSS® AIRPORT-WIDE SOLUTION FOR SURFACE SAFETY AND OPERATIONS

- › AeroBOSS provides real-time situational awareness of aircraft and ground vehicles in and around an airport using a web-based application on any PC or mobile device
- › AeroBOSS provides a comprehensive view of the airport, its flight operations, ground vehicle movements, scheduled operations, and NOTAM data, all using an intuitive map-based display. AeroBOSS also provides in-vehicle driver alerting for runway incursion prevention
  - Runway Incursion Warning Systems (RIWS) that can be funded through the AIP

## SELEX ES® DME AND SELEX ES® TACAN

DMEs provide slant range information to all aircraft and TACAN provides azimuth information and slant range information

- › The FAA's sole provider of DMEs under Sole Source contract: 693KA8-20-D-00009
- › More than 200 DMEs delivered
- › FAA-qualified hi/low power DME
- › Meets or exceeds all ICAO Annex 10 and FAA-E-2996 requirements
- › Full DO-278 software safety process
- › Our high-performing, high-reliability Selex ES 1120A TACAN has 90% commonality with FAA's DME of choice and provides integration for any airports with a VORTAC need



## REMOTE MONITORING

### Providing scalable remote monitoring and control solutions for NAVAIDS

- › Scalable remote monitoring and control solutions utilizing a wide variety of link technologies including legacy copper twisted pair, fiber optic, wireless, Sat-Com, and TCP/IP based networks
- › Statewide monitoring: Can be deployed in a multi-tier network to provide state-wide monitoring at centralized maintenance centers in support of local airport operations
- › Offers the ability to troubleshoot maintenance issues remotely using innovative technologies such as smart glasses





## **SELEX ES INC.'S NAVAIDS ARE CERTIFIED UNDER FAA'S NON-FEDERAL PROGRAM (PART 171) FOR PURCHASE**



Leonardo's international subsidiary, Selex ES Inc., operates a 50,000 ft<sup>2</sup> facility in Overland Park, Kansas where we design, develop, produce, test, train, and support ground-based navigation aids for the FAA, state aviation authorities, U.S. Military, and air navigation service providers.

Since 1991, our ATM unit has continuously supported the total lifecycle for our navigation and surveillance equipment. Navigation equipment designed, developed, produced, and supported from the Selex ES facility is currently used in over 100 countries on all 7 continents.


**Contact our ATM team to review current airport infrastructure, present and future needs, and discuss navigation and airport management solutions for your state.**

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