Becker Avionics is a leader in digital avionics technology. We set the standard in customer-centric, state-of-the-art ground and airborne solutions.

Becker's focus is on meeting individual requirements with the highest commitment to quality and customer satisfaction, no matter what the mission.

Becker Avionics has been developing, producing and servicing Air Traffic Control equipment and ground communication systems worldwide for over 45 years and has proudly provided world class products for corporate and general aviation, ATC, law enforcement, military and OEM organizations.

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We offer the following main product families:
• Communication, Navigation, Surveillance (CNS)
• Intercommunication Systems (ICS)
• Search & Rescue (SAR) and Personal Locator Beacons (PLB)
• Air Traffic Management (ATM) and ADS-B Equipment and Supplies
Every ADS-B Out equipped aircraft and ground vehicle periodically transmits information about its identity, position, altitude, speed and status. ADS-B brings significant added value for the aviation community and paves the way for extended surveillance coverage and reduces operating costs.

**ATLASS** is a state-of-the-art stand-alone ADS-B traffic monitoring system that provides a recognized air and ground situation for various applications where mission-critical data are needed, at limited costs and with reduced numbers of system components.

**ATLASS** detects, processes and displays 1090MHz extended squitter ADS-B messages transmitted by equipped aircraft and vehicles and presents a global situational awareness picture for flight tracking applications, surface traffic management on airports and fleet management. The powerful mapping software provides customizable data filtering and scaling. The system optionally provides information correlation with other data bases if available (e.g. weather, flight plans...). This provides immediate added value to streamline operations and increase overall efficiency.

**Key features include:**
- Linux-based system
- Airborne and ground ADS-B target display
- Live geographical sectorization and traffic filtering
- Airspaces, fixes, waypoints and other AIP data
- Flexible map backgrounds
- Data recording, replay and analysis functionalities
- Airspace / Runway-in-use proximity support
- Programmable alerts for abnormal events management
- Easy installation

**COMPACT DESIGN AND FLEXIBLE INSTALLATION**

**ATLASS** combines a 1090 MHz ADS-B sensor intended for outdoor installation with a Human Machine Interface hosting an air and ground situation display system. The compact design requires no specific planning or site survey. The system can be easily installed in existing infrastructures.

The **ATLASS** sensor is supplied with Power over Ethernet (PoE) technology which requires only a single cable for power supply and data transfer to the user workstation. Spatially distributed receivers can be combined to extend coverage and multiple users can share information provided by one sensor.

The addition of the BAV6215 vehicle transponder constitutes an effective ground movement tracking system. The BAV6215 is a compact and fully autonomous ADS-B transmitting subsystem intended for ground vehicles operating on airports. This unit periodically reports the position and speed of the vehicle, thus providing valuable information for airport ground traffic management.

Regular software upgrades and map updates can be uploaded locally or via a dedicated map server.

**EASY MAINTENANCE AND SCALABILITY**

The **ATLASS** sensor is maintenance free and its wide operating temperature range and very low power consumption makes it suitable even for remote areas.

The **ATLASS** software is scalable and customizable to accommodate user-specific requirements and offers three types of all-in-one solution packages that combine different functions depending on the type of utility:

- Flight following for airlines and fleet operators
- Air traffic situational awareness tool for aerodromes
- Ground target tracking for surface movement awareness & airport operations supervision

Regular software upgrades and map updates can be uploaded locally or via a dedicated map server.