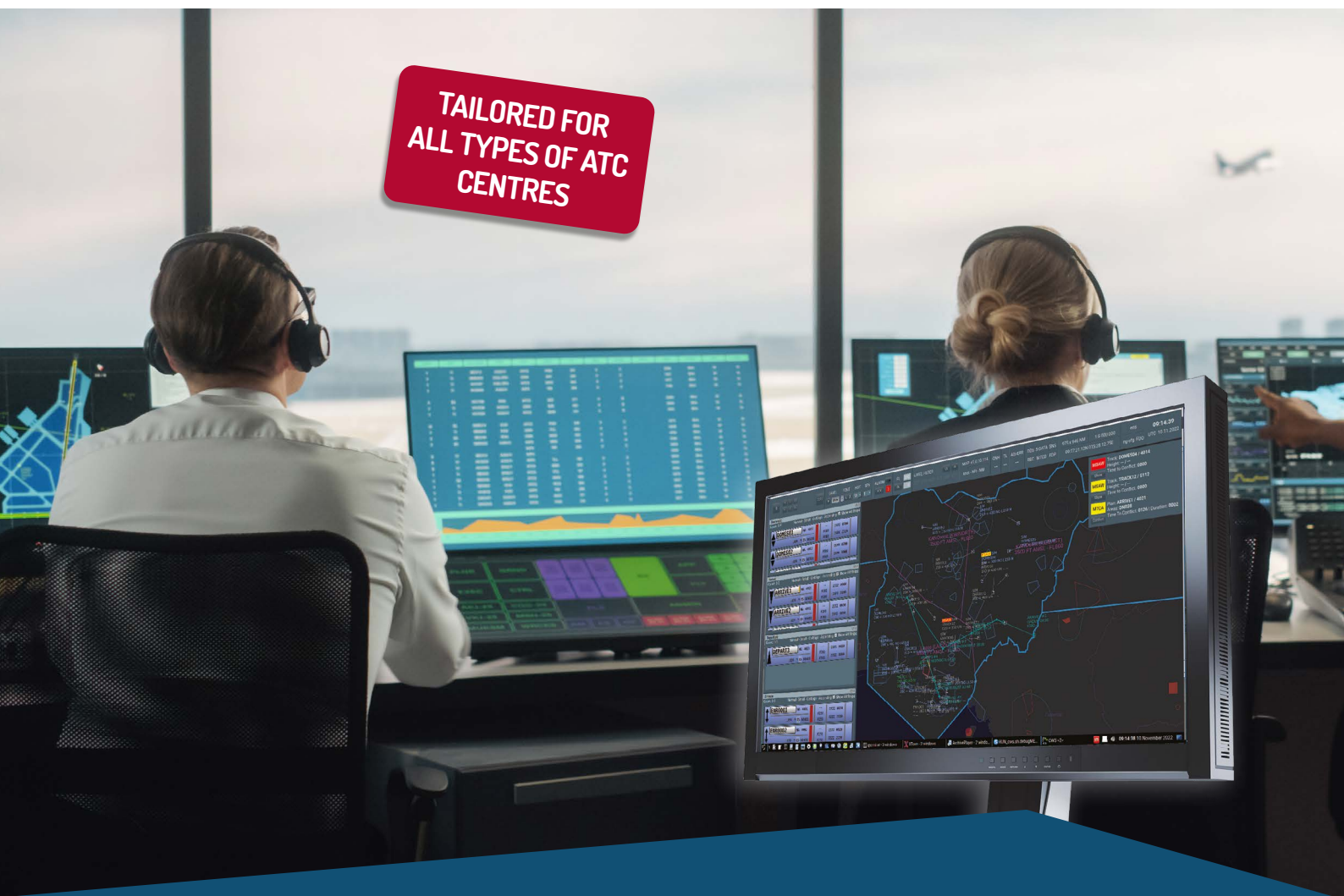


**TAILORED FOR
ALL TYPES OF ATC
CENTRES**



ERIS-ATM

ERIS Air Traffic Management

ERIS-ATM (ERA Information System - Air Traffic Management) is an information system for radar and procedural air traffic management and control on all types of ATC centres. Its modular and open architecture, with standardized interfaces, enables it to be easily tailored to customers' needs and integrated into existing ATC environments.

ERIS-ATM takes an innovative approach that enhances the overall user's experience by bringing all necessary information together on collaborative displays depending on their role as well as standards. Its integrated situational picture is based on ERIS modern multi-sensor data fusion and tracker, supplemented by electronic flight strips, monitoring aids, safety nets and other supportive features.

KEY FEATURES:

- ✓ Suited for En-route and Approach operations, both civil and military
- ✓ Usable as a main or contingency system
- ✓ Modular design with standard interfaces - highly scalable and easy-to-integrate system
- ✓ Meets ICAO, EUROCONTROL and EUROCAE standards and recommended practices
- ✓ Safety Nets and Route Monitoring tools
- ✓ Ground/Ground Transfer Coordination, Sector Management
- ✓ Unified Backup and Recovery Solution
- ✓ Easy to maintain ATC system

SYSTEM FEATURES:

- Multi-sensor Data Fusion and Tracking
- Flight Plan and Aeronautical Data Processing
- Correlation, Route Monitoring and Safety Nets
- Integrated Air Situational Display**
- Central and Dynamic Configuration
- Data Recording, Analysis and Replay
- Technical Monitoring and Control
- Unified Backup and Recovery

COLLABORATIVE WORKSTATION:

- Air Surveillance Picture**
- Multilayered Maps**
- Ground/Ground Coordination**
- FPL Data Management**
- ATC Tools and Safety Alerts**
- Electronic Flight Strips**

ERIS-ATM is suited for En-route and Approach application both at civil and military ATC centres. The situational picture is based on surveillance technology-oriented data fusion and tracking approach with continuous data integrity and quality check. In combination with available planning and auxiliary information and safety nets, ERIS-ATM supports the safety and efficiency of air traffic.

The ERIS-ATM operation includes the complete monitoring of all its components and failure criticality evaluation as an essential part of its technical monitoring and control. The high reliability and availability of its critical services is attained by High Availability technology.

In addition, ERIS-ATM may be easily expanded by other solutions such as ERIS-DART (Surveillance Data Analysis and Replay Tool) or ERIS-COMMS (Advanced Surveillance Data Distribution).

BENEFITS:

- Integrated air situation picture with planning and auxiliary information
- Modern field-proven multi-sensor data fusion and tracker
- Safety support functions and route conformance monitoring
- Integrated electronic flight strips
- Scalable solution to fit the users' needs
- High availability architecture

KEY PARAMETERS:

PARAMETER DESCRIPTION	PARAMETER VALUE
Supported types of surveillance source	Primary Surveillance Radar (PSR) Secondary Surveillance Radar (SSR) Combined Surveillance Radar (PSR+SSR) Multilateration System (MLAT) ADS-B system
Supported Surveillance Data Formats	ASTERIX Cat.: 48/34, 20/19, 21/23, 62/65, 04 and more
Safety Nets and Monitoring Aids	Short Term Conflict Alert (STCA) Minimum Safe Altitude Warning (MSAW) Area Proximity Warning (APW) Area Infringement Monitoring (APM) Medium-Term Conflict Detection (MTCD) Route Adherence Monitoring (RAM) Cleared Level Adherence Monitoring (CLAM)
Flight Data Processing	ICAO format; ADEXP format; OLDI coordination
Supported ground/ground communication interfaces	AFTN/AMHS
Operational System	SUSE Enterprise Linux

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