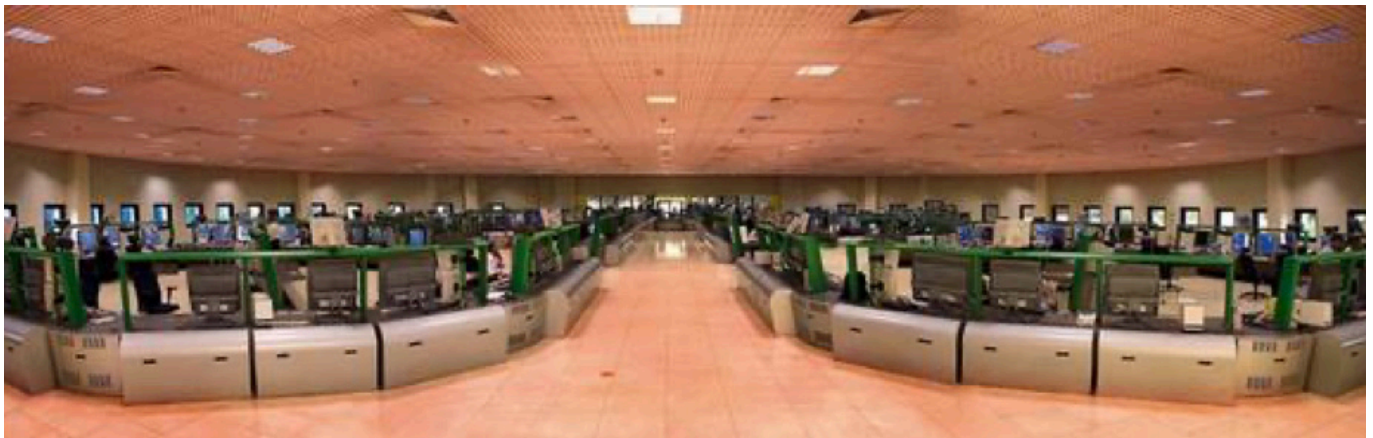


# ACC suite

## Aircraft flying in a Safe Mode through the ACC Suite

### » Mission:

ACC Suite contains full features of an Area Control Centre and support ATCOs to supply Air Traffic Control Services. The systems included in the ACC Suite also allow communication between ATCOs and pilots.



### Operational Scenario:

- ATCO displaying the flight plans in order to control and plan the traffic
- ATCO input for clearance and orders
- Flight plan updating and distribution to the controller working positions and assistant working positions
- Coordination between sectors.
- OLDI-based Ground-to-Ground coordination between boundaries ATSU
- Flight transfer and assumption of Control
- Operative room configurations

### Key Benefits:

- Third Party's Products easily supported thanks to EUROCONTROL ADEXP and FMTP standard
- Maintenance tool **MAPS SUITE** fully developed by Techno Sky included to:
  - » Produce/Upgrade maps with graphic elements (e.g. Airspace Boundaries, Airways, Fixes, Runways, Airports, SIDs, STARs etc.)
  - » Generate ATC geography for ACC FDP following EUROCONTROL AIRAC Amendments
  - » Mode-S information displaying on both radar labels and dedicated flight lists
- User-friendly interface
- Mode-S information displaying on both radar labels and dedicated flight lists



## ACC suite

### Main technical features:

- A full and integrated information sight that takes into consideration the contribution from both surveillance and FDP systems (CWP)
- Acquisition, displaying and management of meteorological information and NOTAM messages (WS ADP).
- Automatic or manual printing of departure and arrival strips of the flights
- Definition of a full geography of the FDP system, according to the AIRAC documents (Maps Suite)
- Technical supervision of the state of each system in the Suite
- Recording of all operations performed by ATCOs to manage the flights (RPS)
- Graphical monitoring of FDP operation (MFA)

### Interfaces:

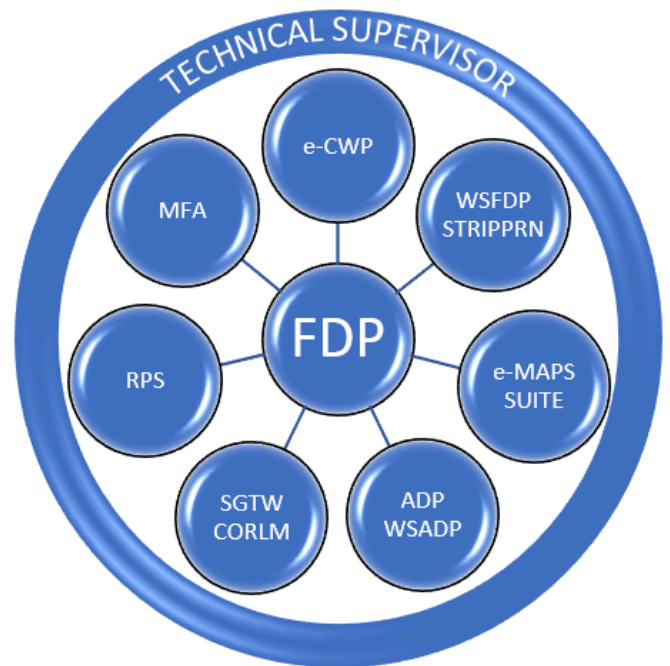
- AFTN/AMHS compliant (IFPL/EOBT update for Flow Restriction according to Slot Allocation Messaging)
- International ICAO and EUROCONTROL ADEXP and FMTP Standards compliant
- Mode-S compliant
- TWR Suite integration

### Technical Specifications:

- At least 1000 tracks and 1000 Flight Plans proven
- Network Redundancy and Master/Slave configuration
- Open-Source Database and Oracle interfaced
- Linux OS based workstations for clients and servers
- Failover < 20secs

### Regulations and certifications:

- Developed according to ENAV Safety Management System and Security Policy
- CMMI Compliant Development Cycle
- Developed according to the Software Assurance Level (SWAL) identified during the safety assessment process
- EATMN Constituents certified by DSU (Reg. (EU) 2018/1139)



### More Technical Features:

- Flight plan acquisition from CFMU via AFTN network (both ICAO and ADEXP format)
- Radar track acquisition from ARTAS system.
- 4D Flight trajectory computation
- Correlation between flight plans and radar tracks, by means of SSR code for Mode A radar tracks, and by means of Callsign for Mode S radar tracks (CORLM)
- Surveillance flow provided by a multicast channel in different formats between the ones operative in Italy and the ones in Asterix standard

### Support:

- Skilled Train-the-Trainers human resources for maintenance scope