

BUILT ON PROVEN ATFM EXPERIENCE

More than a technology provider, Atech acts as a strategic partner in the operational transformation of ANSPs, combining proven ATFM expertise with deep experience in Air Traffic Control and system integration.

Atech's experience includes solutions deployed in **Brazil, India** and **South Africa**, supporting complex operational environments and different airspace requirements.



A proven foundation, adapted to different operational demands and backed by the global credibility of Embraer.

3.0M

ANNUAL AIRCRAFT
MOVEMENTS
at Aerodromes

2.1M

ANNUAL AIRCRAFT
MOVEMENTS
in Brazilian Airspace

100

AERODROMES
MONITORED

5M

FLIGHT PLAN
Messages in a Single Year

23M

FLIGHT PLAN
Messages Processed

1,539

DEMAND-BASED
ATFM Measures Applied

ATECH ATM: A LEGACY IN MOTION

6

COUNTRIES

+50

OPS CENTERS

30

TRACON
Terminal Radar Approach Control

7

ARTCC
Air Route Traffic
Control Center

+8.7M nm²

FIR COVERAGE
Territorial & Oceanic

+4M

FLIGHTS/YEAR

+10K

DAILY FLIGHTS

+180M

MESSAGES/YEAR
Air Traffic Service & Meteo

TAKE THE NEXT STEP IN ATFM

Talk to an Atech representative
and find the right path for your operation.

atech.com.br

ATECH AIR TRAFFIC FLOW MANAGEMENT

A SCALABLE PATH TO
OPERATIONAL GROWTH

FROM ESSENTIAL CAPABILITY TO NETWORK SCALE

Atech brings more than 40 years of expertise in air traffic control and proven ATFM experience to deliver a scalable solution designed to grow with your operation. Developed for ANSPs with different operational demands, the platform allows customers to select the capabilities that best fit their needs through a practical, modular approach. As ICAO requirements evolve and ATFM becomes increasingly important worldwide, ANSPs can build the capabilities they need today while preparing for what comes next.



Select what you need today.
Expand as your operational demands evolve.

A COLLABORATIVE APPROACH TO FLOW MANAGEMENT

ATFM enables the collaborative management of traffic demand and available capacity, helping prevent congestion, improve operational predictability and support better decisions across the airspace network.

DEMAND & CAPACITY

Understand operational demand, available capacity and potential imbalances.

COLLABORATIVE DECISION-MAKING

Coordinate actions based on a shared operational view.

OPERATIONAL PLANNING

Plan, manage and continuously improve traffic flow.



START. SCALE. EVOLVE.

Not every operation requires the same ATFM capabilities from day one. Atech's modular architecture allows ANSPs to select the capabilities that best fit their current operational demands and expand them as their needs evolve. This approach provides **greater flexibility in implementation, aligns investment with operational requirements and helps reduce total cost** of ownership over the solution's lifecycle.

STANDARD CAPABILITIES

A robust operational foundation with essential ATFM capabilities.

Demand and Capacity Balance

Airport Traffic Management Initiatives

Basic Collaborative Decision-Making

Basic What-If Scenario Analysis

Live Dashboard and Post-Operational KPIs

Local-Sensor Surveillance

Meteorological Information and Dashboard

Initial Flight Plan Processing and KPIs

Basic 4D Trajectory and Airspace Modelling

ATFM Simulation

Operational Data Management

Security, Access Control and Auditing

FF-ICE Readiness for eAU and non-eAU

COMPLEMENTARY CAPABILITIES

Expand your ATFM capabilities according to your operational needs.

FLIGHT PLAN MANAGEMENT

Centralized Flight Plan Reception, Processing, and Distribution

Flight Plan Filling throughout mobile app

Ready for FF-ICE/R1 Services

AIRSPACE MODELLING & MANAGEMENT

AIXM-Based Airspace Modelling

Dynamic Airspace Management

Unmanned Traffic Flow Management

OPERATIONAL PLANNING & FLOW MEASURES

AI-Based Demand and Capacity Balance

Advanced TMI Programs

What-If Analysis

Slots Management

Long Range ATFM

COLLABORATION & NETWORK INTEGRATION

Complex and AI-Supported CDM

Cross-Border Coordination

Multi-Node Coordination

Regional Coordination

A-CDM Integration

SWIM Readiness

Space-Based ADS-B Surveillance

WEATHER & OPERATIONAL CONSTRAINTS

Meteorological Data Processing

GRIB, Radar and Satellite Information Processing

Meteorological Simulation

Flexible User Airspace ingestion

MONITORING, DATA & SECURITY

Post-Operation Analysis

Advanced Analytics

Advanced Operational Data Management

Cybersecurity Capabilities

TRAJECTORY-BASED EVOLUTION

Advanced 4D Trajectory Modelling

Open Aircraft Performance Data

BADA Integration

AI-Based Trajectory Modelling

Expanded FF-ICE Services



READY FOR TODAY, PREPARED FOR TOMORROW.

The architecture keeps the path open for future integrations and the evolution of ATFM toward a more collaborative, connected operation.



CROSS-BORDER ATFM

Coordinate intra/inter-regional flows and evolve toward a network of connected operations.



SWIM/PANS-IM

Deliver interoperable, secure and scalable information services across the network.



A-CDM/TBO

Integrate airport and network operations around trajectory-based decision-making.

Additional cloud and on-premises deployment options are available according to operational and sovereignty requirements.