AIR TRAFFIC FLOW MANAGEMENT (ATFM)

Scalable solution to enhance safety and gate-to-gate traffic flow efficiency

» Air traffic management capabilities, both flow management (ATFM) and airspace management (ASM), are integrated into our ATFM ASM suite. It provides foreign air navigation service providers (ANSPs), aircraft operators and airport operators with a system to increase safety and improve gate-to-gate efficiency and predictability, ensuring fair and equitable use of all airspace, supporting future improvements in efficiency. An integrated suite of tools for Air Traffic Flow Management and Airspace Management to provide improved safety, reduced costs, and a greener environment.

Using Collaborative Decision Making (CDM) between ANSPs and aircraft and airport operators, the suite provides a mechanism for air traffic capacity management by making use of capacity analysis and workload modeling, throughout all Air Traffic Management (ATM) phases from airports to airspace volumes.

The ATFM-ASM Suite can perform Traffic Management Initiative (TMI) evaluations, including what-if modeling, and includes tools for air traffic services route planning, flight level balancing, route and fix balancing and airspace user slot swapping.

The ATFM-ASM Suite uses leading edge web technologies and the most recent aeronautical standards to deliver the benefits of modern architecture in terms of integration and flexibility.

It has been designed, by our high-tech integrated solutions and service company, to be scalable and modular to support different emerging needs and a wide range of customers.

OUR PRODUCTS

» ATFM-ASM Suite

» Traffic Complexity Tool – TCT
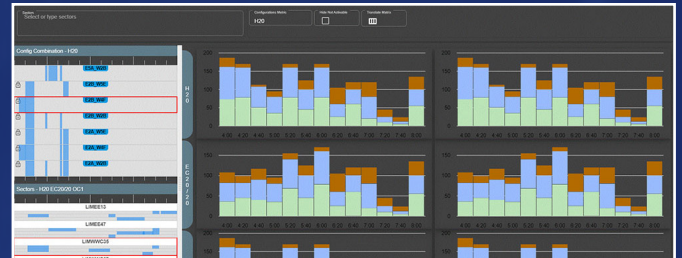
» Airspace Coordination FPDAM

Applications

With ever increasing levels of global air traffic, causing congestion in both airports and airspaces, the need to modernize and streamline the global ATM system is clear. ICAO Doc 9971 "Manual on Collaborative Air Traffic Flow Management" advises on the implementation of Air Traffic Flow Management. ATFM and ASM are concepts which use collaborative decision making to share information among all stakeholders and enable them to formulate and agree on the best solution that considers the requirements of all actors involved.

The benefits of ATFM do not just accrue to the airports, airlines and the people who fly with them. By investing in a solid future for air transportation systems now, governments will be setting course for the future growth of the local, regional, and global economies while continuing to offer a safe, efficient, and environmentally friendly air transport network.
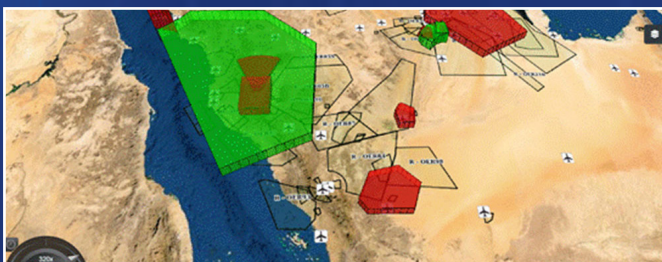

ATFM-ASM Suite

Web-based system for the Air Traffic Flow Management and airspace capacity analysis and optimization.

Traffic Complexity Tool – TCT

Traffic Complexity Tool provides automatic suggestion for optimized air space configurations increasing air space capacity and improving operational efficiency.

Airspace Coordination

Airspace Coordination solution provides a user-friendly web interface to support the airspace management process to be flexible to changes in airspace users' needs.