



DFS Aviation Services

A brand of experience

Arrival Manager (AMAN)

High-performance system for optimal operational decisions

Introduction

“More movements, more efficiency. Lower costs and environmental impact.”

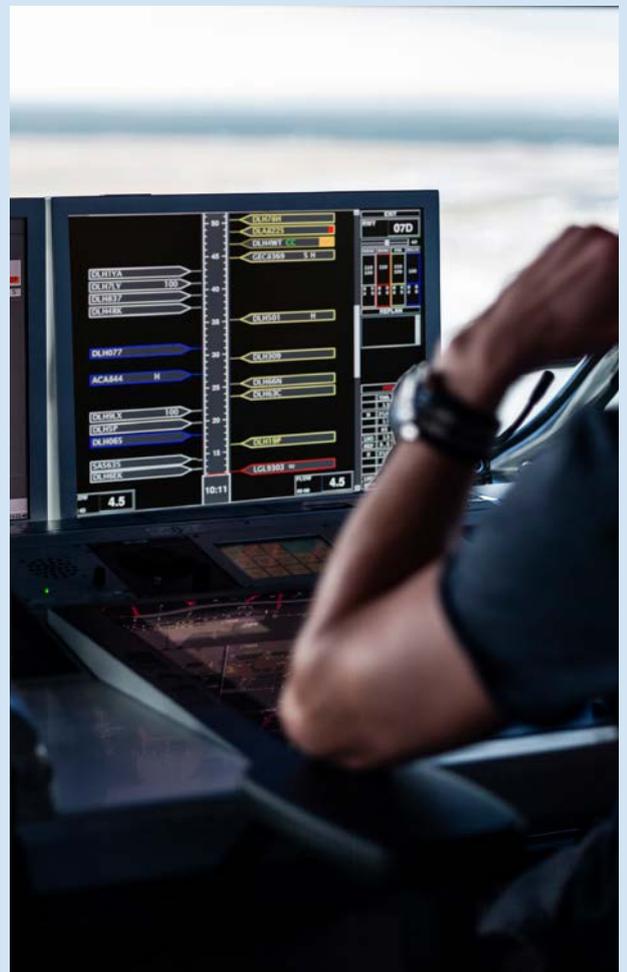
The Arrival Manager (AMAN) is a real-time arrival management system that has been **operationally proven in the field for more than 20 years**.

The modular system can **automatically change operating scenarios and makes up-to-date planning suggestions to the controller**. It continuously calculates handover and landing times as well as an optimal approach sequence on the basis of various parameters, such as speed, current and predicted flight path, real-time weather conditions, aircraft performance, traffic density and controller activities. AMAN is able to **register all arriving aircraft within a range of 200NM or more** around the airport.

The AMAN system can meet the needs of **even highly complex airspace structures**. It is fully **compliant with internationally accepted air traffic management standards**, such as those from ICAO and EUROCONTROL, and it fulfils the ASBU requirements.

Features

- **Scalable, multi-process, multi-user system architecture** that allows the deployment of all needed components either on one single host or in a distributed high-availability 24/7 environment
- **Generic arrival management platform** for fast integration into customer sites
- **Role-based displays** for different types of controller working positions
- **Highly customisable HMI** to meet controllers' needs
- **Site-specific planning algorithms** possible
- **Cross-border arrival management** features (XMAN)
- **Extended AMAN horizon** (200NM operational in use) for easy handling of nearby airports (E-AMAN)
- **4D Trajectory Planner** based on real-time weather information as well as performance and statistical data
- **Multi-airport & runway decision tool** for one or several TMAs
- **Advanced tool for replay**



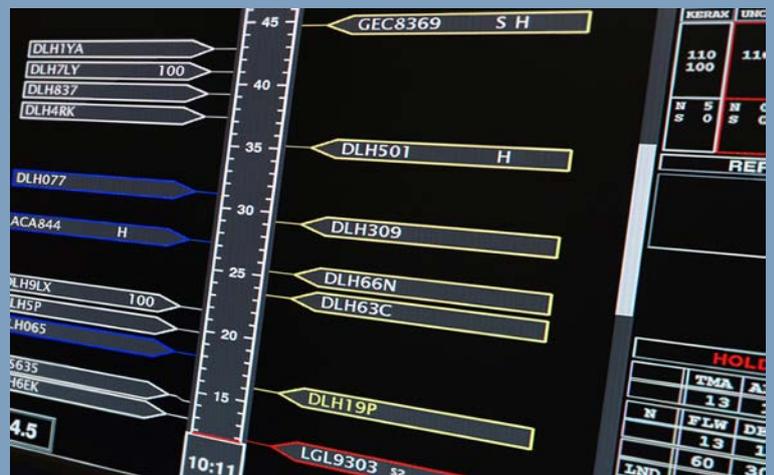


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A brand of experience

Your Benefits

- **Full use of airspace capacity** because up-to-date planning data are available and manageable across all relevant sectors
- **Easy and cost-efficient integration** through its generic and modular system architecture
- **Dynamic and flexible planning** thanks to continuously updated data
- **Ideal tool for collaborative decision-making (CDM) at air traffic control centres** through sharing information with all partners
- **Highest possible safety level maintained** because of automatic adjustments based on the planned and current traffic situation
- **Optimisation of efficiency and the ATCOs workload** by recognising and handling any differences between the traffic situation and the current plan which could affect traffic
- **Reduction of CO2 emissions and noise** through a reliable choice of optimal flight paths



References & Customers

- **Frankfurt Airport**, international hub, Germany
- **Munich Airport**, international hub, Germany
- **Cologne Bonn Airport & Dusseldorf Airport**, international multi-airport (2), Germany
- **Warsaw Chopin Airport**, international, Poland
- **Amsterdam Airport Schiphol**, international hub, The Netherlands
- **Belo Horizonte Airport**, international, Brazil
- **Brasília Airport**, international, Brazil
- **Curitiba Airport**, international, Brazil
- **Rio de Janeiro airports**, international multi-airport (2), Brazil
- **Sao Paulo airports**, international multi-airport (3), Brazil

Your point of contact_

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