

**PROPworks<sup>®</sup> RMS** by AirIT  
**Resource Management System**

# Allocating & Scheduling Immobile Resources

## Optimizing Resource Deployment

Increasingly, the burgeoning air traffic market requires greater efficiency in the deployment of resources. Ensuring that capacities of gates, aircraft stands, departure lounges, baggage belts, and check-in counters are available as needed requires comprehensive information around-the-clock on expected resource demand, as well as current traffic and allocation status.

Poor decision-making in complex airport operations can easily lead to costly delays. AirIT has developed a leading edge IT solution to facilitate resource planning. The *Resource Management System (RMS)* relieves your scheduling managers from time-consuming routine tasks and supplies all the necessary information in a clear and systematic format to enable rapid response and resolution at critical moments.

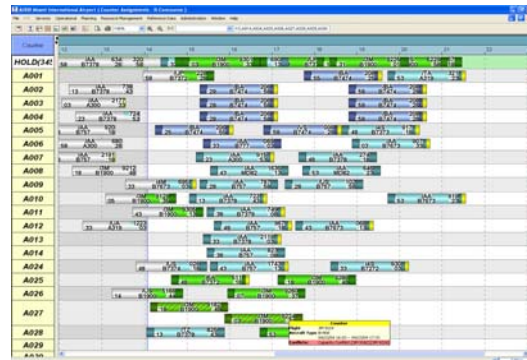
## All Resources at a Glance

With RMS, AirIT has designed a solution that enables users to efficiently manage fixed handling resources. As an integral part of your central information system, RMS will make a vital contribution to the quality of airport services by supporting the scheduling of baggage belts and check-in counters, and the coordination of gates, remote stands, and associated departure lounges.

RMS helps scheduling managers optimize handling capacities by supporting not only daily operations scheduling, but also medium and long-term schedules. Potential bottlenecks are identified and flagged, and suggested conflict resolution is provided.

An overview of the resource allocations covering the entire day can be accessed with the click of a button. Because **RMS** is connected online to the central database, all data is continually updated. The operative **RMS** database receives flight-related updates from the central database on current resource allocation and visualizes their impact. Similarly, all allocation changes are reported back to the central database to update the flight schedule.

To streamline resource-allocation operations and to allow scheduling managers to focus on their primary tasks, **RMS** is equipped with semi-automatic scheduling support and an automatic conflict-checking function.

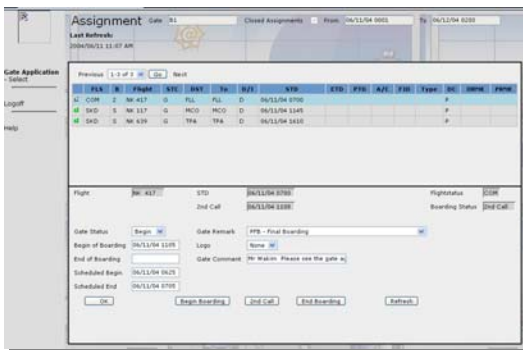


## RMS - Active Support

Ease of operation is essential to the acceptance of IT solutions, AirIT recognizes this and has paid close attention to the development of the graphical user-interface. The system displays all resource allocations in Gantt style bar charts and provides user-friendly, intuitive help and editing capabilities covering each function. Changes can be made with the familiar drag and drop technique.

Apart from easy operation, the second key advantage in IT solutions is the substantial reduction of routine activities. **RMS** minimizes coordinating tasks in the early scheduling stage by allowing existing templates to be utilized in the generation of new allocation scenarios. On request, **RMS** provides automatic conflict resolution support and proposes resource allocation alternatives that are essentially conflict-free. Even during manual scheduling allocation, sophisticated plausibility checks ensure that user errors are recognized before a problem occurs. Authorized users are able to define and modify the system, keeping operational rules current.

As a Client/Server and Web based solution with connectivity to other relevant databases, **RMS** is updated automatically when records are modified in the central database or by other **RMS** users. The system simultaneously updates displayed information and resource allocations.

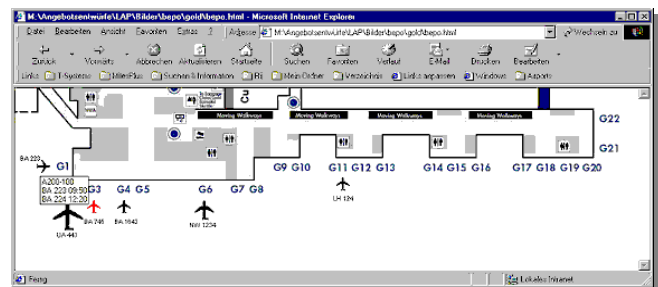


**RMS at a Glance**

With **RMS**, AirIT has developed a scheduling system that, due to its open architecture, can easily be integrated into a diverse range of environments and modified to incorporate future developments. This reduces up-front development costs, and also ensures a high degree of long-term investment protection.

**RMS** is equipped with the following features:

- ➔ State-of-the-art Client/Server and Web based architecture
- ➔ Multiple scheduling manager concept
- ➔ Easy to use graphical user-interface
- ➔ Medium and long term advance scheduling of resource allocations
- ➔ Automatic, rule-based conflict identification and resolution
- ➔ Online connection to the central database
- ➔ Interface to AirIT's EASE™ CUPPS and PROPworks® Property and Revenue Management System
- ➔ Easy integration into existing or legacy system environments
- ➔ Accommodation of an airport's unique business processes



**References**

The **AirIT RMS** system has been developed and operational at Düsseldorf, Cologne/Bonn, Dresden Zagreb, Miami, and Sacramento. It is also installed at Northwest Airlines's three major hubs in Minneapolis, Memphis, and Detroit, and is currently being installed at San Juan's Luis Munoz Marin International Airport.