



UltraResource

Resource Management System (RMS)

Features

- Reduces operational costs
- Optimises utilisation of key airport resources
- Greater operational flexibility
- Allows scheduling for maintenance and construction
- Facilitates operational and strategic planning
- Data is available to support billing processes

UltraResource allows the planning, assignment and monitoring of key airport resources through an integrated suite of modules.

The user-friendly, highly configurable GUI clients are used to capture airport and airline preferences and rules. It provides real-time and long term planning support for multiple concurrent users. Web clients are used to allow simple input at check-in and gate positions, allowing airline staff local control of displays.

Key Features

- On-line management of key airport resources, including parking stands, boarding gates, check-in desks and baggage belts
- User configurable GUI front-end GANTT and aerial operational views
- Expert system using rule based planning
- Scheduling of maintenance or construction and management of unforeseen operational scenarios
- Evaluation of future variables, such as additional movements, resources or alternative planning rules
- Can be integrated with UltraDB, UltraIB and UltraFIDS to provide an integrated airport operational solution

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Resource Management is facilitated via a suite of gantt based graphical user interfaces that are driven by detailed user definable rule based algorithms.



These rules include constraints such as physical limitations, convenience, marketing considerations and airline/agent preferences.

The Stand Planner module allows an airline operator to plan and monitor the actual movement of aircraft on the ground. A complete stand plan and subsequent history of parking locations is maintained including the duration of occupation for each aircraft.



The Gate Planner module facilitates the assignment of flights to boarding gates, supporting coaching operations to remote parking stands.

The Check-In Planner module is a comprehensive tool for check-in desk management, allowing operators to allocate desks to flights, airlines and/or handling agents.

The Baggage Belt Planner module allocates baggage belts to incoming flights. The allocation process can be undertaken automatically or manually.

UltraResource can be delivered with our other airport operational, passenger processing and ground handling systems as part of Ultra's integrated airport solution.



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