

## FLIGHT PLANNING

### INCREASING YOUR PROFITABILITY

There are many ways in which operational costs can be optimized to help maximize your profitability. SITA Flight Planning gives you opportunities to affect costs relating to fuel, time and navigation charges. Using SITA Flight Planning, these opportunities can be pursued throughout both the pre-flight and inflight phases.

#### ISSUES

##### **Holistic approach to costs**

Optimize the costs associated with every planned flight, taking into account all areas of operating costs.

##### **Understand variable fuel costs**

Fuel prices vary from one airport to another. In order to control fuel costs, airlines need to first understand the impact of fuel cost variations and then take advantage of potential favorable differentiations.

##### **Tactical view of flight**

Conditions can change either at the last minute or during a flight, thus requiring adjustments to the original plan in order to maintain an optimized flight.

#### FLIGHT PLANNING

SITA Flight Planning takes into account the cost impact of fuel price, hourly operating costs and navigation charges, in order to provide a true least-cost evaluation of all flights.

SITA Flight Planning's Tankering Analysis calculates the profitability of carrying additional fuel from a location with cheaper fuel, and it then indicates the optimum amount to tanker.

Access to tactical information during the flight phase is essential for intelligent decision making when reacting to changing conditions.

#### BENEFITS

- The dispatcher can establish which is the most economical route to operate in the case of that particular flight.
- Tankering for the most economical route can save an airline up to 1% in fuel costs.
- Real-time weather information, integrated with a flight route display, enables dispatch and operations staff to quickly establish the effect of changing conditions.

Efficient application of tankering could save airlines

**1%**  
of fuel costs



Create success. Together

## HOW DOES IT WORK?



### SOLUTION COMPONENTS

#### 1. Core flight planning engine

The flight planning host system is located at a fully redundant SITA data center, with the core data sets managed by a team of flight operations and dispatch professionals.

#### 2. Advanced Weather Service

SITA's Advanced Weather Service is provided in partnership with the UK Met Office, which is a world leader in the provision of meteorological products and services and is one of two global World Area Forecast Centers (WAFC) designated by ICAO and the WMO for providing weather-related information to support aviation. SITA's Advanced Weather Service provides a wide range of weather charts and products which are integrated with SITA's flight plans. Weather phenomena can be automatically tailored on a per-flight basis using pre-defined rules.

#### 3. GraFlite

GraFlite is a functionally rich client server application providing a user interface to SITA Flight Planning (and other components of SITA Flight Briefing Services). It is available in two formats – deployed at the airline site on Windows 2008 Server and Windows 7 architecture, or hosted by SITA with full GraFlite functionality provided via a web browser.

#### 4. Flight Briefing Online

Flight Briefing Online (FBOL) is an operational website providing access to Flight Planning and other components of FBS. Featuring a 'lighter' set of functionalities than GraFlite, FBOL is an ideal tool for smaller operators and handling agents servicing larger airlines. FBOL also provides a portal to SITA's Advanced Weather Service.

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