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10 %

Maximizing airline revenues through the management of the complex relationship between ticket price, demand and capacity is a difficult yet important task. By using a sophisticated revenue management solution like ProfitLine/Yield from Lufthansa Systems, an airline is able to increase its revenues by up to ten percent.

Hot Topics

Lufthansa Systems introduces new Aerodrome Mapping Database

High-precision data for airport moving map applications

With Lido/AMDB, Lufthansa Systems has developed a highly precise Aerodrome Mapping Database which enables the moving map application of the Onboard Airport Navigation System (OANS) of modern aircraft to generate airport maps which enhance the situational awareness of the flight crew during taxi operations. Lufthansa is the first customer for Lufthansa Systems' Lido/AMDB. During taxi operations, pilots have to know what runway or taxiway they are on - especially at night or in poor weather this knowledge is important. Traditionally the cockpit crew acquires that information by looking out their windshield. Modern EFBs incorporate an airport moving map that displays an airport's runways, taxiways and structures to help pilots identify and anticipate the airplane's location on the surface. With GPS technology it is even possible to show pilots their actual position on the airport surface. Lido/AMDB from Lufthansa Systems is offered to airlines using an integrated Electronic Flight Bag (EFB) airport moving map application in their cockpit or an airport moving map application installed by the aircraft manufacturer. The highly accurate database describes the spatial layout of an airport. This includes the geometry of runways, taxiways or buildings as well as further information characterizing those items and their functions which are stored as so called attributes (e.g. surface type, name/object identifier, runway slope). With this data, pilots are supported during all weather conditions while using an airport map in the navigation display. In order to produce accurate airport data, the database is generated using geo-referenced satellite images. In these images, every point is linked to its real coordinates so it relates the coordinates of a GPS signal to the airport map. Only this way, the position of the aircraft can be displayed correctly in the chart. The image data is then being aligned and expanded with Lufthansa Systems' own airport data extracted from the aeronautical information publications (AIP) and other sources. The production and revision process for Lido/AMDB meets the highest industry standards in terms of quality and process management. The airport coverage can be customized depending on the requirements of different fleets and applications. In the near future, Lufthansa Systems' own Airport Moving Map application (Lido/AMM) will also be available for EFB class 2 and class 3.

It will support the prevention of runway incursions, enabling flight crews to orient themselves during taxi operations. Lido/AMM will be integrated into the Lido/eRouteManual electronic navigation charts to smoothly and efficiently support cockpit work-flows.

NetLine SP: An attractive package for low-fare and regional airlines

Lufthansa Systems has recently launched NetLine SP - a package for operational planning and control specifically geared towards the needs of start-up, low-fare and regional airlines. Their resources are usually limited, so they need cost-efficient products with a fast implementation and professional service. NetLine SP – short for NetLine Service Providing – is a good example of Lufthansa Systems' successful strategy to closely observe the market, detect airlines' requirements early and provide them with products that deliver added value. NetLine SP can reduce airline IT operating costs in this field by up to 30 percent compared to operation the solution in-house. That means a quick return on investment. The new product combines the NetLine operational planning and control solution with hosting in the Lufthansa Systems data center. Airlines benefit from a low investment and a short amortization period. The package comprises the proven planning solutions NetLine/Sched for medium and short-term flight scheduling, NetLine/Crew for crew management and NetLine/Ops for operations control and covers all key processes of airline operations. If desired, an airline can select additional modules including maintenance control or slot management, or special services such as project support or user training. The airline therefore gets full service, while costs remain low and billing is transparent. Therefore these customers can apply their limited resources to their core business. NetLine SP also offers short implementation times of between one to six months after contract signature, depending on the airline's level of preparation. The carrier can therefore use the systems soon and profit from the advantages early. Besides these advantages NetLine SP comes with a professional and fast customer service. And if the carrier grows, NetLine SP has the capacity to accommodate more aircraft, more flights and more passengers. Carriers also benefit from the fact that implementation, hosting, training and support are provided from one source, which reduces complexity. NetLine SP is an idea coming at the right time for airlines looking for new ways to enhance their efficiency. Lufthansa Systems has the industry experience to understand their needs – and to transform them into innovations airlines can really use.

News

Jet2.com opts for navigation charts from Lufthansa Systems

Jet2.com will use Lido/RouteManual, the navigation charts from Lufthansa Systems. The two companies recently signed a long-term agreement to this effect. With Lido/RouteManual, the British airline can benefit from the high quality of the navigation charts in terms of precision, data accuracy and user-friendliness while reducing costs. Lufthansa Systems' navigation charts are generated directly from its Lido navigation database. They include true-to-scale geographic information such as terrain features and rivers. The charts also include airport taxiway charts, approach and take-off charts, and a seamless worldwide route chart. The value of Lido/RouteManual lies in the easy legibility and the clear structure of the individual charts. This reduces the pilots' workload in the cockpit, especially during key flight situations such as take-off and landing.

Jet2.com is a subsidiary of Dart Group plc, the aviation services and distribution group, which has 30 years' commercial aviation experience. The airline operates a fleet of 29 aircraft and has seven bases across the UK serving over 50 destinations.

Croatia Airlines flies paperless with Lido/FlightBag from Lufthansa Systems

Croatia Airlines has received the operational approval from the Croatian Aviation Safety Authority to fly paperless with Lido/FlightBag from Lufthansa Systems. The innovative EFB solution optimizes information processes in the cockpit and integrates a variety of applications for the paperless planning and execution of flights. Lido/FlightBag significantly reduces costs for Croatia Airlines and eases the workload in the cockpit. Lido/FlightBag provides access to all relevant operational data like the operational flight plan, briefing documents, operations manuals and manufacturers information. Different modules, such as electronic navigation charts, Electronic Flight Folders or the calculation of take-off data with Lido/TakeOff, are grouped together within a clearly laid-out user interface, which is always within easy reach of the pilots. A built-in search facility allows information from any of the modules to be located in seconds. The EFB solution from Lufthansa Systems is independent of the hardware- and aircraft type. Croatia Airlines is using Lido/FlightBag as a Class 1 solution on laptop computers. Croatia Airlines is a long-standing Lufthansa Systems customer. The Croatian flag carrier already uses amongst others the flight planning solution Lido/Flight, NetLine, NetLine/Load for weight & balance as well as online check-in for passenger handling from Lufthansa Systems. Based in Zagreb, Croatia Airlines operates a fleet of 13 aircraft to 30 destinations in Europe.

Adria Airways to optimize revenue management with IT from Lufthansa Systems

The Slovenian carrier Adria Airways will use the revenue management solution ProfitLine/Yield Rembrandt from Lufthansa Systems. Both companies recently signed a long-term agreement to this effect. Using ProfitLine/Yield Rembrandt will enable Adria Airways to optimize the saleable capacities and thus increase revenues. ProfitLine/Yield Rembrandt has been specifically designed to meet the needs of small and medium sized airlines, regional and low-cost carriers. The system covers all core processes of revenue management – from data loading and demand forecasting to optimizing availability data – and offers a comprehensive reporting tool. With those features, ProfitLine/Yield Rembrandt enables airlines to recognize market opportunities at an early stage and to react faster to market changes than their competitors. Adria Airways is the national carrier of Slovenia. With its fleet of 14 aircraft, the airline operates passenger as well as cargo flights to 25 destinations in Europe. In 2009, Adria Airways carried around 1.1 million passengers and around 2,000 tons of freight.

Meet Lufthansa Systems

If you would like to talk to one of our IT experts about any specific solution in detail, we would be happy to coordinate a meeting. You can find us at the following events:

| Name of Event | Date, Location | Solutions presented |
|-------------------------|----------------------------------|----------------------------|
| Agifors Crew Management | 16.-20.08.2010 Athens, Greece | NetLine/Crew |