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40 %

NetLine SP is an IT solution

developed especially for start-up, low-cost and regional airlines. It comprises the proven NetLine products for scheduling, crew management and operations control and includes their hosting at the Lufthansa Systems data center. With NetLine SP, an airline can reduce its own IT infrastructure. Based on the current cost situation, expenses in this area can be decreased by up to 40%.

Hot Topics

Ready for latest IATA standards in revenue accounting

Sirax AirFinance Platform from Lufthansa Systems advances paperless processes

While the airline industry has achieved 100% electronic ticketing and is driving e-freight, many airline processes still depend on paper. The IATA projects Simplified Interline Settlement (SIS) and Electronic Miscellaneous Documents (EMD) aim to further reduce the volume of paper documents leading to higher efficiency. With the Sirax AirFinance Platform, Lufthansa Systems will provide one of the first revenue accounting solutions to comply with SIS and EMD. For most airlines needing to deploy the new standards, it is more cost-effective to switch to the proven Sirax AirFinance Platform rather than to invest in their existing legacy systems. Sirax customers receive the new upgrades without additional costs within the scope of their maintenance service agreements. IATA estimates that over 200 tons of invoices and supporting documents are being shipped between airlines around the world each year to support the airlines' interline billing and settlement process. SIS will remove paper from the entire process. Every Passenger, Cargo, and Miscellaneous billing will be completely electronic. The IATA standard is scheduled to become mandatory in 2012. Sirax, the revenue accounting module of the Sirax AirFinance Platform, will be able to produce and receive the new electronic billing format by the end of 2010. As the new format is already validated for correctness by the IATA SIS portal, Sirax streamlines processes for interline billing significantly enabling Sirax customers to achieve considerable savings while switching to the new industry standard. For example, the paperless process reduces shipment costs and shortens the invoice-processing cycle. In addition, automated processing of invoices and high data quality eliminates today's industry practice of manual data capture and data correction. The EMD project is part of the "IATA Simplifying the Business" initiative, in which Lufthansa Systems is a preferred partner. The Electronic Miscellaneous Document replaces paper documents such as excess baggage tickets, tour orders, and prepaid ticket advices with one standard electronic document type. This results in less processing time, more accuracy and faster revenue collection.

According to IATA, EMD represents USD 2.9 billion in annual savings for the industry. In addition airlines can offer more services to passengers, e.g. airport transfers, wifi access, lounge access and various in-flight services. IATA sets a target of 100% industry capability by the end of 2012, and 100% usage of EMD in IATA distribution systems by the end of 2013. Sirax will enable its users to exploit the full potential of this new document type from the very beginning. Following the sales-based philosophy, Sirax automatically matches daily sales and uplift information to identify exchanges and refunds as well as to track the usage status of EMD-coupons associated to a certain flight coupon. Moreover, this new document type will be integrated into the relevant core processes of Sirax, hence providing the same accuracy, flexibility, and completeness the user is accustomed to for existing document types. Apart from SIS and EMD compliance, Lufthansa Systems' Sirax AirFinance Platform fulfils all demands made of a modern revenue accounting system by optimizing the whole process of back office accounting. The highly automated system speeds up the accounting process and reduces operating cost by up to 45 % and total costs in revenue accounting by more than 35 %.

Integrated approach increases efficiency in crew management Lufthansa Systems NetLine/Crew optimizers are a key part of the IOCC Platform

Managing crews and their shifts is a complex job. A host of legal, contractual and operational regulations need to be observed, and the sheer number of crew members in a large network airline makes it impossible to do without a sophisticated IT solution. The portfolio of Lufthansa Systems contains some of the most advanced crew optimizing solutions available on the market. However, simply doing crew planning on a stand-alone basis does not automatically lead to the best possible result for the airline. In case of last minute changes, planners need to find solutions that resolve the problem without interfering with other areas of flight operations. This is the advantage of Lufthansa Systems' Integrated Operations Control Center (IOCC) Platform. The crew optimizers work well within the NetLine/Crew crew management solution, however they really shine when used as part of the IOCC Platform. In the first phase of crew planning, rotations are planned that reflect the necessary regulations but have not been assigned to actual staff members. During this phase, planners aim to create robust rotations that generate minimal costs such as hotel and transportation expenses. NetLine/Crew Pairing xOPT from Lufthansa Systems generates a cost-efficient yet stable set of rotations. By checking various scenarios, the planner finally arrives at the best possible solution. This rotation is then assigned to individual crew members. Airlines can choose to follow the principle of fair assignment using NetLine/Crew Fairness xOPT which treats all crew members equal in terms of flight hours, overnight stays and overtime. By using NetLine/Crew Preferences xOPT, certain staff members can be given priority for popular routes or less overnight stays. The big advantage of the crew optimizers is their flexibility when it comes to last minute changes due to sick crew members or operational irregularities. Once all functionalities are available, crew controllers will be able to find the best possible crew solution based on the recovery plan generated for the aircraft rotation. In this case, using the IOCC Platform, crew controllers can access all relevant data and assess solutions with respect to their impact to the company as a whole. It is this comprehensive view across departments that provides a clear economic benefit to the airline. The idea of an integrated view on solutions enables managers of all departments to work with each other rather than just following their individual goals. The IOCC Platform from Lufthansa Systems promotes efficiency and optimized solutions to operational challenges. But it also provides better service to passengers due to minimized impact of irregularities – and satisfied passengers mean money well earned.

News

Singapore Airlines taps on Lufthansa Systems' FreeFlight solution for ASPIRE flight

Singapore Airlines calculated the route of its recent ASPIRE (Asia and Pacific Initiative to Reduce Emissions) flight with FreeFlight, one of the latest enhancements of Lufthansa Systems' dispatch solution Lido/Flight. The flight, which departed Los Angeles on 31 January and reached Singapore on 2 February via Tokyo, achieved fuel savings of more than 10 tonnes and a reduction in carbon emissions of more than 33 tonnes. With FreeFlight, airlines can optimize routes in free flight airspaces in which airlines can choose any route between A and B without being restricted by airways. This significantly lowers the fuel consumption and reduces CO2 emissions. In free flight airspaces, an airline is allowed to plan the routings without a given airway structure. This opens up almost unlimited options to calculate the most-efficient routing. But it also increases the demand on flight planning systems dramatically. The highly complex procedure of calculating the most efficient trajectory in terms of distance, flight altitude, wind direction and speed in free flight airspaces requires highly intelligent optimization algorithms as well as high performance software procedures. As an industry first, the FreeFlight module of Lido/Flight can optimize flight paths by using geographical co-ordinates instead of waypoints and radio beacons. The method of "trajectory-based flight plan optimization" dramatically improves the fuel efficiency of every flight. Lufthansa Systems' first simulations of the economical impact of free flight trajectories in an "artificial Single European Sky" have shown fuel improvements of more than three percent. Therefore the environmental impact is significant.

Air France opts for IT solution from Lufthansa Systems for the management of private ID tickets on other airlines

Air France relies on myIDTravel, Lufthansa Systems' integrated ID travel management solution for staff travel. Both companies signed a seven-year contract to this effect. The system enables Air France to introduce self service e-ticketing for ID travelers on private trips on other airlines, which support the carrier in reducing costs by optimizing handling processes for staff travel. myIDTravel is an integrated solution for efficient ID travel management. Through e-ticketing, the integration of self-service functions and a high level of automation, airlines can optimize their ID travel management. In the field of staff interline travel, thousands of paper tickets are still issued each day by airlines. myIDTravel eliminates the need for paper tickets and enables airlines to issue electronic ID tickets for interlining flights. In addition to e-ticketing, airlines benefit from streamlining all processes involved in ID travel - from managing eligible travelers, checking availability and listing for flights to revenue accounting. The AIR FRANCE KLM Group comprises a holding company and two airlines that have retained their separate brands and identities. Together, Air France and KLM serve an extensive global network structured around their hubs at Paris-Charles de Gaulle and Amsterdam-Schiphol. Currently, the group carries 74.5 million passengers annually to 244 destinations worldwide, and operates a fleet of over 600 aircraft.

Air Dolomiti decides for navigation charts from Lufthansa Systems

Air Dolomiti will fly with the navigation charts from Lufthansa Systems. Both companies recently signed a 10-year-contract for the usage of Lido/RouteManual. The agreement also includes an option to migrate to the electronic version of the charts, Lido/eRouteManual. With the innovative solution the regional carrier can optimize its flight operations and benefit from the high quality of the Lufthansa Systems navigation charts.

The navigation charts are generated directly from the Lido navigation database. They include true-to-scale geographic information such as terrain features and rivers. The charts include airport taxiway charts, approach and takeoff 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. Migrating to the electronic version of the charts later will enable the carrier to move forward to a paperless cockpit. The organization and structure of the paper charts are identical to those of the electronic version, making for a smooth shift to Lido/eRouteManual.

Lufthansa Systems develops new check-in functionality for Austrian Airlines

Austrian Airlines is the first carrier to use the new upgrade feature of Lufthansa Systems' Internet check-in solution. Passengers can buy an upgrade to Business Class while checking in online. This enables Austrian to generate extra revenues in times of permanently low yields. The Internet upgrade feature is part of the GroundSolutions check-in suite of which Austrian has been using the Internet (GroundSolutions/Web) and mobile device (GroundSolutions/Mobile) solutions for some time. With the new feature, the airline can individually control the availability and pricing of the upgrade offers depending on the booking situation of every single flight. Passengers can choose between payment via credit card or by spending their bonus miles.

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
Seatrade Cruise Shipping 2010	Miami Beach, Florida, U.S.A March 15-18, 2010	Mobile Infotainment Solution
IATA World Cargo Symposium 2010	Vancouver, Canada March 8-11, 2010	AdvancedCargo Platform