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Lufthansa Systems' SchedConnect schedule and codeshare management system processes up to 5 million schedule changes per month. The seamless exchange of data between partner airlines is of prime importance for codeshare flights. The solution manages changes between all relevant systems of our SchedConnect customers and their cooperation partners. This ensures that all parties involved, including check-in, engineering, catering and passengers, can use up-to-date departure and arrival times for their planning at all times.

Hot Topics

How to reduce operating costs with cutting-edge flight planning services

Lufthansa Systems' Lido FPLS for small and mid-sized airlines

Today's economic conditions force all airlines to quickly and sustainably improve their efficiency. With optimized flight planning they can save fuel and reduce operating costs. Lufthansa Systems offers comprehensive flight planning services which enable small and medium-sized airlines to benefit from the powerful optimization capabilities of Lido OC, Lufthansa Systems' leading flight planning solution, without having to make a major upfront investment.

Lido FPLS (Flight Planning Services) provide high-quality briefing packages and optimized flight plans. It calculates the optimal route between two airports while taking flight-related information into account such as weather data and all current aeronautical restrictions such as NOTAMs. Lido FPLS employs the optimizers and algorithms of Lido OC which can reduce fuel consumption by up to five percent solely as a result of optimized route planning. Customers of Lido FPLS can also benefit from the innovative TFR (Traffic Flow Restrictions) functionality of Lido OC that automatically considers even partially restricted airways and to calculate the most effective combination of airway segments.

Lido FPLS is specially adapted to the needs of small and medium-sized airlines or the sub-fleets of larger carriers. Highly qualified dispatchers with many years of experience are on duty around the clock in Lufthansa Systems' Flight Planning Support Center to provide this comprehensive flight planning services. Airlines can order their briefing packages through a modern web interface by uploading their operational flight plans and specify planning parameters for each flight. Lido FPLS takes into account individual airline requirements such as fuel surcharges and pre-defined company routes. At the requested time, the airline receives a briefing package as a hard copy or in electronic form.

This briefing perfectly matches the specified weight of the aircraft and the number of passengers. It contains the most efficient flight route as well as all flight and airport weather data together with current NOTAMs. Customers can individually determine the level of detail provided in their briefing packages.

Lufthansa Systems has many years of experience in the field of flight planning. Many airlines from all parts of the world have deployed the Lido OC flight planning solution. Today, around 40 percent of all flights by European airlines are planned with Lido OC. Lufthansa Systems' flight planning solutions Lido OC and Lido FPLS rely on the company's own navigation database containing aeronautical data from all over the world, e.g. the arrival and departure routes of around 10,000 airports, 11,000 airways and 129,000 waypoints. Every day, the database processes up to 4,000 NOTAMs and 40,000 METAR weather reports.

Smart IT module from Lufthansa Systems simplifies API crew data transmission

Security requirements in international aviation have increased over recent years. Authorities require additional personal information before they allow travellers to enter certain countries. In most cases, the data is expected hours before a flight arrives at its destination, sometimes even before departure. Airlines are required to collect this information from passengers and transmit it via the Advance Passenger Information System (APIS). Not surprisingly, these standards also apply to flight crew. As crew members fly on international routes day after day, airlines rely on an automatized solution that collects and manages data entries directly. Lufthansa Systems' innovative crew management solution, NetLine/Crew, covers this important step in flight preparation through its APIS Messages module. NetLine/Crew is a sophisticated IT solution that covers the entire process of crew management, including pairing construction, duty assignments and crew tracking. Planners need to consider network requirements, legal and contractual regulations, training needs, vacation entitlements and crew preferences. In a major international network carrier with thousands of cockpit and cabin crew members, this is an extremely complex task. NetLine/Crew provides planners with a set of decision support tools that enables them to create efficient, legal and satisfying duty rosters. Furthermore, it collects the required crew data for transmission to the relevant authorities. NetLine/Crew also delivers an economic benefit to the airline: It increases planned crew productivity and optimizes indirect crew costs by up to 2 percent. For crew members and other airline staff on board, one out of two types of APIS messages may be required depending on the destination. Most countries require Flight Crew Manifests (FCM), containing the full name, gender, date of birth and passport number of each crew member. On the other hand, the Master Crew List (MCL) is currently only required for transmission to the United States' authorities. For MCLs, a crew member's nationality and pilot license details, if applicable, need to be submitted in addition to the FCM data. To ensure that the required data is always available for each crew member, the input is organized and stored in the database. If a certain data attribute is missing, a violation message will appear should a crew member be assigned to fly to a destination that requires this input. The planner must then exchange the crew member or supply the missing data. The NetLine/Crew APIS Messages module offers automatic message transmission by means of a task scheduler. This feature triggers the transmission based on specified timings relative to a flight's departure or arrival times using country specific rules for API generation as reference. The module supports different country regulations such as for the USA, China, or the UK. For any updated or additional information, ground staff can transmit the required information manually. APIS crew messages can be sent via telex, email or web service, depending on the relevant authority's guidelines. APIS messaging is an integral part of crew management and flight preparation. Missing data of a single crew member could jeopardize the departure of the flight itself, causing unnecessary costs and difficulties to the airline and its passengers.

The amount of data makes it necessary for airline planners to rely on sophisticated IT that ensures the availability and correctness of all data. The NetLine/Crew APIS Messages module fulfills these requirements and is therefore an important step towards reliable and efficient flight operations.

News

Luxair to increase its revenues with IT from Lufthansa Systems Luxembourg airline signs ten-year contract for ProfitLine/Yield Rembrandt

Luxair has selected Lufthansa Systems' ProfitLine/Yield Rembrandt to modernize its revenue management. The solution will enable the Luxembourg airline to optimize their saleable capacities and, thus, increase revenues. Both companies recently signed a ten-year contract to this effect. With this agreement Luxair and Lufthansa Systems expand their longstanding successful cooperation. "Especially in today's challenging business environment we need to adapt quickly to changes in market demand and the competitive situation by adjusting the available seats and prices. ProfitLine/Yield Rembrandt perfectly meets our requirements in terms of functionality, reliability and ease of use. We were impressed by its reaction speed and the scope of available market information which enable us to enhance our revenue management and become more competitive," explained Alberto Kunkel, Executive VP and Head of Sales and Marketing at Luxair. "ProfitLine/Yield Rembrandt is the perfect example of the significant economic benefits our IT solutions generate for our customers around the world," said Stefan Auerbach, Senior Vice President Sales EMEA/Central at Lufthansa Systems. "In difficult times like these state-of-the-art-IT solutions can make the crucial difference for an airline. We are proud that Luxair has decided to further expand our trustbased cooperation." Luxair started its cooperation with Lufthansa Systems in 1996 as one of the first customers of ELWIS, Lufthansa Systems' cargo handling solution, and recently renewed the contract for another five years.

Lufthansa Systems is always on board Jetstar Asia Lido RouteManual navigation charts reduce workload in the cockpit

Jetstar Asia and Lufthansa Systems are marking the first anniversary of successful cooperation. In April 2008, the Singapore-based airline started flying with the innovative navigation charts, Lido RouteManual. This makes Jetstar Asia a member of the growing group of airlines profiting from the advantages of Lufthansa Systems' aeronautical solutions. "After one year of deploying the Lido RouteManual charts, we are impressed with their user-friendliness. Our pilots value the very clear and easy-to-read design in every-day use. This chart solution has enabled us to further optimize our cockpit processes, which in turn benefits our crews and passengers in terms of cost efficiency and comfort", explains Chan Choy-Kee, Head of Flying Operation at Jetstar Asia. Jetstar Asia was the first Asian low-fare carrier to opt for the Lido RouteManual in 2008. "The fact that Jetstar Asia has been successfully operating with our navigation charts for a year now again shows the flexibility of Lido RouteManual. This achievement is reason enough for us to keep developing our products in terms of user-friendliness and cost efficiency," explains Marc Szezan, Senior Vice President Airline Operations Solutions at Lufthansa Systems.

transavia.com on its path to lower costs with Lido RouteManual from Lufthansa Systems

Low-cost carrier expands cooperation to further optimize its flight operations

transavia.com opts for Lufthansa Systems' navigation charts. Both companies recently signed a five-year contract over the implementation and use of Lido RouteManual. With the innovative solution the Dutch low-cost carrier can optimize its flight operations and benefits from the high quality of the navigation charts. transavia.com's scheduled network serves 26 destinations from hubs at Amsterdam, Eindhoven and Rotterdam and offers charter services to more than 80 destinations. "A key factor for our decision is the excellent product and services that Lufthansa Systems offers. Lido RouteManual meets the highest standards of precision and quality. The new charts support visual thought with clear color-coding and self-explanatory symbols and that way enable our pilots to see all relevant information at a glance," explains Matthieu Verdegaal, Director Flight Technical Department from transavia.com. Lido RouteManual includes graphical representations of take-off and landing procedures as well as true-to-scale geographic information such as terrain features and rivers. The navigation charts are generated directly from a database which is based on worldwide geographical and aeronautical data. By implementing Lido RouteManual transavia.com takes a first step to significantly reduce the amount of paper in the cockpit. The airline plans to introduce the so-called two-paper concept consisting of the Airport Facility Chart (AFC) with the Airport Ground Chart (AGC) on its back, along with a summary of all relevant approach altitudes. This reduces the number of printed charts on board and significantly lowers the associated logistics costs. Furthermore, the decision for Lido RouteManual puts transavia.com in an ideal position to take advantage of Lufthansa Systems' electronic navigation charts (Lido eRouteManual) in the future. transavia.com has been optimizing its flight planning with Lido OC from Lufthansa Systems for eight years. Since both Lido RouteManual and Lido OC are based on the same aeronautical database, the low-cost carrier will benefit from a high degree of integration and more efficient processes in flight operations.

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
IFALDA World Dispatch Summit	May 8-10, 2009 Amsterdam, The Netherlands	Lido OC
AGIFORS Airline Operations 2009	May 24-28, 2009 Montreal, Canada	NetLine/Ops Optimizer Tools