



## Low on cost and high on performance

Are you looking for an integrated, comprehensive yet still affordable scheduling, crew management and operations control solution while targeting a high on-time performance? Are you reluctant to finance your own server hardware and expensive in-house systems? Then NetLine Service Providing (NetLine SP) is the best choice for you: It is based on our successful NetLine system which is currently in operation at national flag carriers and low-cost airlines.

### > NetLine

NetLine is one of the world's leading software solutions for the airline industry. This integrated, modular product line provides optimal support for the entire process of planning and controlling airline resources.

#### NetLine products:

- NetLine/Market  
The market analysis solution
- NetLine/Plan  
The network planning solution
- NetLine/Sched  
The schedule management solution
- NetLine/Ops  
The operations control solution
- NetLine/Crew  
The crew management solution
- NetLine/Hub  
The hub management solution
- NetLine/Load  
The weight & balance solution

### Using the best has just become affordable

NetLine SP enables small and medium-sized airlines to afford a scalable aircraft planning and control solution. It covers the entire process of airline flight scheduling, slot management and monitoring, crew management with automatic rostering and tracking, web-based crew contact and Management by Exception-based operations control with integrated maintenance planning.

### > Boost your airline's on-time performance by up to 5%

- Airlines using NetLine/Sched, NetLine/Ops and NetLine/Crew are on average the most on time in the airline industry

### > Manage your operations by exceptions

- Focus on those parts of your airline organization where plans are not working out for one reason or another

### > Benefit from short implementation times

- Replace existing IT applications quickly
- Profit from expert knowledge and industry best practice implementation



NetLine/Market	NetLine/Plan	NetLine/ Sched	NetLine/Ops
		<i>Rotation Optimizer</i>	<i>Maintenance Control</i>
		<i>Slot Manager</i>	<i>HubControl</i>
		<i>Slot Monitor</i>	<i>OpsLink</i>
		<i>Tactical PEM</i>	<i>Operational Profitability Evaluation Model (OPEM)</i>
		<i>Flexible Reporting</i>	
		<i>Swapper</i>	<i>Tail xOPT</i>
		<i>Fleet Assigner</i>	<i>Solver xOPT</i>

NetLine SP comprises the market-proven and successful NetLine/Sched, NetLine/Ops and NetLine/Crew. The solution is specifically bundled to meet the requirements of small and medium-sized airlines. Quick implementation timelines, a flexible and modular set-up, process-oriented workflows, one integrated application database, intuitive graphic user interfaces – all these factors make NetLine SP unique.

With NetLine SP airlines benefit from the advantages of successful NetLine applications plus the important financial advantages of Application Service Providing (ASP). NetLine SP is operated from a high-security, state-of-the-art data center. Users just need to log into NetLine SP with a standard Internet browser. Airlines therefore benefit from low initial investments and low monthly rates.

### NetLine SP project services

Lufthansa Systems' project managers will implement NetLine SP smoothly within a short time frame. Our project team will train your users intensively and support them with

process know-how and broad project expertise. NetLine/Crew rule experts will develop and set up your airline-specific crew rules in NetLine SP. As a result, you have legally compliant duties without fail every day.

Customer support and a user hotline are part of the NetLine SP service package. A 24/7 user help desk is also available. Our friendly and experienced NetLine staff will be glad to assist your users.

### NetLine/Sched

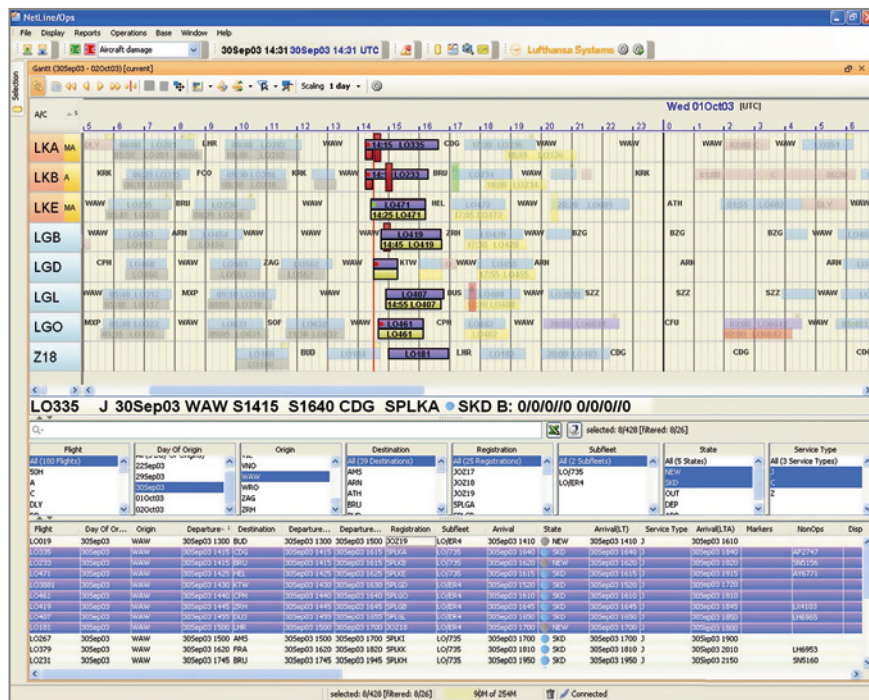
#### Increase your revenue by up to 2%

NetLine/Sched is Lufthansa Systems' schedule management solution for small and medium-sized airlines. It supports all aspects of schedule development and schedule management. The solution offers powerful and easy-to-use schedule visualization and modification, and supports alternative network strategies and schedule scenarios. It also finds scheduling alternatives to cater for ad hoc changes (e.g. capacity adjustments) and supports IATA-compliant, automatic schedule distribution.

	Schedule management	Operations & maintenance control	Crew management
<b>Basic applications</b>	NetLine/Sched	NetLine/Ops	NetLine/Crew
<b>Add-on modules</b>	NetLine/Sched Slot Monitor	NetLine/Ops MaintenanceControl	NetLine/Crew CrewLink
	NetLine/Sched Slot Manager	NetLine/Ops OpsLink	NetLine/Crew AutoRoster
<b>Services</b>	User hotline	User training	Additional project support
		Additional user support	Airline crew rules + EU-OPS, FAR, CAP371
<b>ASP hosting</b>	<b>Service Providing</b> hosted on IT infrastructure at LSY data center, SLA 98.5%		
<b>Timelines</b>	<b>6 weeks – 6 months after project start</b> Depending on the time collecting airline-dependant data and period for "getting used"		



NetLine/Crew	NetLine/Hub	NetLine/Load
Pairing		
Assignment		
Tracking		
Manpower Planning		
CrewLink		
Pairing xOPT		
Fairness xOPT		
Preferences xOPT		
AutoRoster		



Management by Exception with NetLine SP

**The basic package of NetLine/Sched can be enhanced with add-on modules:**

**NetLine/Sched Slot Manager** takes over the complete IATA airport slot handling process. The module creates and manages SCR/SMA telex messages for communication with the airport coordinator and takes historic slots for initial submission into consideration. **NetLine/Sched Slot Monitor** provides absolute control of slot utilization and recognizes the impact of schedule changes on airline slot possession at an early stage. NetLine/Sched Slot Monitor supports users effectively, securing your valuable slots.

**NetLine/Ops**

NetLine/Ops is Lufthansa Systems' state-of-the-art operations control solution. On the day of operations, bad weather

conditions, missed ATC slots or technical problems are the reason for numerous schedule changes. These require fast and cost-efficient operational decisions in order to keep the schedule deviation impact as low as possible for the passengers.

This is where NetLine/Ops comes in: The system automatically recognizes schedule deviations, analyzes them and gives the operations controller the option to play through different scenarios. NetLine/Ops also provides all relevant decision-making information such as booking numbers, forecast figures, and weather data. NetLine/Ops facilitates optimal cost-efficient decisions by taking all relevant information into consideration. It relieves the operations controller of non-critical tasks and allows the efficient management of irregularities at the lowest possible operating costs.

You can focus on different problems by visualizing them in multiple Gantt Charts. Each Gantt Chart has a configurable leg list. Further lists are also available, for example for ATC, telex, aircraft and airport-related data. Powerful filtering and sorting functions combined with a flexible screen display permit fast data access.

**Powerful decision support**

NetLine/Ops offers a variety of flexible decision support tools. The user can evaluate the consequences of a decision in a scenario before the solution is actually carried out. When working in a scenario, alerts are generated automatically in the event of conflicts with the actual schedule. Management by Exception allows you to filter affected aircraft quickly according to specific criteria. The selected legs will be updated automatically in the Gantt Chart.

### The basic package of NetLine/Ops can be enhanced with add-on modules:

**NetLine/Ops MaintenanceControl** supports maintenance planning and control functions. It provides full compliance and optimizes your check utilization by collecting aircraft flight hours and cycles as well as validating the schedule against a configurable maintenance rule set. As a result you benefit from reduced costs.

**NetLine/Ops OpsLink** is the integrated intranet solution for safe and cost-effective real-time access to operational data. This add-on module delivers schedule and actual movement times to any desktop with minimal deployment costs. In addition, costs for communication, hardware investment and maintenance are reduced.

## NetLine/Crew

### Reduce crew costs by up to 10%

NetLine/Crew in NetLine SP provides a huge package of functionality: Lufthansa Systems bundles the NetLine/Crew solution with features such as APIS, cosmic radiation, license management and many more to equip small and medium-sized airlines with a state-of-the-art crew management system.

NetLine/Crew supports the entire crew management process, covering all phases from pairing construction to automatic crew rostering, crew tracking and post-flight activities. It provides planners and controllers with a set of decision-support tools that

enables them to focus on automatically creating and maintaining efficient, comprehensive, legal, economic, fair and satisfying duty rosters.

By using NetLine/Crew airlines will be able to reduce crew-related costs in all phases of crew management such as personnel (overtime and standby pay), travel (hotel and transportation, allowances), training (simulator) and costs for proceeding.

### The basic package of NetLine/Crew can be enhanced with add-on modules:

**NetLine/Crew CrewLink** supports the handling of roster requests through web-based crew information services. NetLine/Crew *CrewLink* is equipped with features such as dynamic briefing, internet plus, and buddy functionality in order to enable an airline to communicate easily with its crew members.

**NetLine/Crew AutoRoster** provides an automatic assignment of duties and days off to crew members. The rules valid for NetLine/Crew according to the assignment of pairings to crew members are respected by the NetLine/Crew *AutoRoster*. This refers to horizontal rules which check the assignment of one single crew member.

### System requirements

- Standard desktop with Windows 7 or Linux and printer
- Internet Service Provider with DSL speed
- Java applet

### The following features make NetLine/Crew in NetLine SP powerful for small and medium-sized airlines:

- APIS
- Cosmic radiation
- License management
- Roles & checks
- Sort & filter
- Ranks & more
- Language qualification
- Airport familiarization
- Local time