Achieve significant productivity increase with advanced load controlling

Reduce fuel costs and benefit from additional payload through trim and payload optimization while simultaneously boosting your load controllers’ productivity. NetLine/Load, the advanced Lufthansa Systems weight and balance solution, raises your load control to the next level by providing full automation, flexible configuration options and powerful features.

**Boost your productivity while reducing costs**

NetLine/Load consolidates all relevant load parameters (regulations, technical data and pax, baggage, cargo, mail, flight planning and flight dispatch information) by calculating the optimum weight and trim conditions – fully automated and highly configurable. The powerful application optimizes your on-time performance by improving the loading process. The results are reduced fuel costs, higher productivity and increased operational stability.

> **Increase your productivity by up to 280%**
  * Reduce the handling lead time by simultaneously managing multiple airlines, flights and departure airports
  * Benefit from completely automated and time-driven aircraft handling and auto load planning
  * Manage by exception – supported by timely warnings and alerts

> **Save costs and increase revenue options**
  * Save up to 0.5% fuel costs with optimized payload and trim
  * Gain additional revenue through extra payload capability
  * Reduce training costs by up to 50% through intuitive GUI business workflow orientation

> **Improve operational stability, flexibility and future-fitness**
  * Reduce delays in case of last-minute changes due to time-driven mode and automation
  * Apply any business rules, processes and automated flight tasks to your load control environment
  * Stay future-proof with a state-of-the-art system framework for further enhancements and continuous developments

**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.
Features and functions

Having undergone a fundamental redesign, Lufthansa Systems’ next-generation weight and balance solution, NetLine/Load, provides state-of-the-art load planning covering all relevant aspects and phases of load control:

Safety and legality
NetLine/Load contains all the functionality to safely load and dispatch an aircraft, including any legally required documentation.

Multiple use
NetLine/Load supports various airline business models and most common aircraft types, as well as the centralized/decentralized load control approach. It can handle one-way and multi-leg flights and allows the management of multiple airlines, flights and departure airports simultaneously.

Streamlined workflow
The powerful solution offers a streamlined workflow with dispatch and easily integrates different data sources such as booking estimates, check-in figures, fuel, baggage, cargo and mail data, as well as other third-party-provider input.

Management by exception
This feature allows you to focus quickly on problem-affected flights and on critical load processes within one single flight – and to take action. All flight data are updated automatically.

Full automation
Flights can be handled completely automatically based on time thresholds that continue even in the event of manual intervention. A drag-and-drop feature for load distribution or rule-based auto load planning reduces lead handling time and errors.

Configurability
Many features can be controlled by customer-defined business rules (for instance individual baggage or off-loading priorities) and configurable automated flight tasks. This allows you to apply any operating carrier rules and processes to your load control environment.

Planning accuracy
A high level of planning accuracy is achieved using prognosis, historic data and detailed rules for pax/bag average weights, bag factors and potable water, etc.
Checks, alerts and warnings
All entered data are checked for validity, giving consideration to factors such as aircraft limitations and dangerous goods restrictions. The system contains warnings and alerts to help load control agents to complete all necessary inputs and actions. Incompatibility of dangerous goods and ZFW tolerance checks provide safety throughout the process.

High usability
NetLine/Load presents all necessary information in a user-friendly, process-oriented GUI with intuitive screen navigation. The user always has immediate access to the weight and balance data, process flow and current handling status of the flight. The solution therefore significantly improves agent productivity with its onscreen help and reduces errors by automatically capturing data from messages.

Communication
A highly user-friendly chat functionality allows instant exchange of information between all involved parties, so everybody stays on the same page and time-consuming calls are reduced to a minimum.

Messaging and documentation
The system enables the viewing of all associated messages and reports by flight. Documents (e.g. loading instructions/load sheets) can be provided via telex, e-mail or printout. Load sheet delivery to the cockpit is possible via ACARS. Post-departure messages (LDM, CPM, UCM) can be sent automatically, and a comprehensive log file for the corresponding flight is created.

Roles and functions
NetLine/Load supports role-based user concepts (load control, ramp, baggage and cargo agent, etc.) with configurable user rights and roles to execute specifically assigned tasks.
Decision support
NetLine/Load indicates the ideal trim zone and shows the remaining underload. It allows the immediate view of the actual trim for monitoring and warns if the load plan is not in the ideal trim zone.

Automated shift management
This feature enables the shift manager to distribute flight legs manually or automatically to load controllers daily, based on flexible configuration rules.

Seamless integration
The runtime environment has been derived from the very latest industry best practices. It can easily be integrated into an airline’s existing IT landscape and connected to any passenger management system.

The easy integration is facilitated by a service-oriented approach on an open systems platform and use of an enterprise service bus.

Future-proof technology
NetLine/Load has been built on modern and proven JEE technology for business logic, providing high availability and scalability by configuration. A browser-based client provides worldwide access and flexibility by simply logging in from any web-enabled PC. The system architecture is expandable and easy to maintain and administer.

NetLine/Load comes with the fully integrated add-on modules:

NetLine/Load MobileSolution
This mobile solution is designed for mobile devices, allowing the ramp agent to simultaneously update the system directly from the apron. As a result, the load control process is more efficient and less error-prone. A chat-functionality enables immediate exchange of information as well.

NetLine/Load 3DLoadplan
The 3D loadplan represents the 2D version in a highly user-friendly screen with intuitive navigation. It provides load controllers with a realistic view of what the load plan will look like on completion. The 3D technology helps the Load Controller to get a better evaluative understanding about the solution – for better results.

NetLine/Load Reporting
This feature provides optimum transparency of your entire load control process with dynamic reporting options. Based on the NetLine/Load data model, the collected data helps to analyze your load control performance with KPIs. The required reporting level can be achieved by interfacing the relevant data to any query tool. Thus you can detect areas of improvement and take action.

System requirements (recommended):
- PC with internet browser (IE, Firefox, Safari)
- 1GHz CPU
- 1GB RAM
- Local printer
- Monitor resolution 1024 x 768
- Java 1.7 (optional, not needed for web client)

Benefit from our extensive airline experience and continuous product improvements. Get in touch so we can show you how to optimize your fuel consumption and increase your productivity.