

eLoadsheet.net and Powerloader



Innovative, user-friendly weight and balance calculations for small to mid-sized airlines

Challenge

Easy and user-friendly access to airline operations support services is key in today's competitive environment. This is especially true when it comes to providing accurate aircraft weight and balance calculations.

Solution

Jeppesen eLoadsheet.net is just the solution for fast, user-friendly and accurate weight and balance calculations. eLoadsheet.net offers the latest in loadsheet production systems available to airlines. The simplicity of a single database makes management of

mission critical information a breeze. In addition, the eLoadsheet.net site is protected by industry-standard SSL encryption, offering full data security.

Fuel efficiency

By loading the aircraft at or near the aft limit the aircraft will climb faster, cruise faster and thus save fuel. One should however always keep in mind that according to the laws of physics, the aircraft will be less stable the further aft you move the center of gravity.

Accuracy

Eliminate math errors from your loadsheet calculations. Manual calculations have been proven to have an error rate as high as 10%. Should you at any time go beyond the

aircraft's recommended load, it is indicated visually, allowing you to make the necessary adjustments. Loadsheets are compliant with IATA, JAR and CASA published standards.

Integration with on-line systems

Both Powerloader and eLoadsheet can be used in conjunction with an external check-in system to have passenger data fed directly into the program. Additionally fuel and weight information can be transferred from Jeppesen's JetPlan® flight planning system to provide a complete weight and balance solution.



Service offered in conjunction with Flyware.



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Online functionality - eLoadsheet.net

eLoadsheet is an Internet-based aircraft loadsheet production system. No installation of software is needed, just an Internet web browser and a connection to the Internet. The site is protected by 128-bit SSL encryption supplied by VeriSign, Inc., offering the best available security.

Control the data and the results

The customer loads all weight and balance information into their database using an administrator portal. This portal provides encrypted and password protected access to the data. Once the data is loaded and verified, it becomes available for loadsheet creation. Since all aircraft data is stored in a database, no program modifications are needed to add new aircraft types.

Loadsheet information is entered via a “weight and balance” portal using a graphical user interface (GUI) to produce a loadsheet.

The system is fully PDA (Personal Digital Assistant) compliant, which enables use in the wireless environment (WAP, GPRS, SmartPhone, PocketPC, Palm). eLoadsheet.net runs in the Microsoft Internet Explorer 4.0 or newer and Netscape 6 or newer.

Offline functionality - Powerloader

Powerloader is a weight and balance calculator for aircraft that runs on Microsoft's Windows operating system meaning that no special hardware is required.

All relevant information needed to make a loadsheet for an aircraft, such as aircraft center of gravity, is stored in a local database. This local database can use an internet connection to update aircraft information from a master database kept in eLoadsheet. (Powerloader does not require a constant internet connection).

Powerloader uses ODBC to connect to the database, so your company can use the same database system for Powerloader as for other information systems that the company already has, or just use the default database.

Simple and friendly

Powerloader's straightforward user interface ensures that very little training is required to become comfortable with the system. All information is displayed in an easy-to-read manner on the screen so that users do not need to navigate between many dialog boxes to perform all tasks. Passengers are distributed in the cabin using the seating view of the cabin. Index changes are displayed graphically when each passenger is seated.

Powerloader is especially practical for cargo operators; it can be used in the cockpit by the pilots or loadmasters themselves.

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