LOGIXIFY
The most logical solutions

EDMS - ENGINEERING DATA MANAGEMENT SYSTEM

EDMS was developed by working with subject matter experts with many years of experience in the Airline Engineering space.

EDMS has gone thru extensive testing iterations to confirm the quality of the application. EDMS is developed using latest technologies and tools available in the market today.

EDMS follows the SOA (Software Oriented Architecture) principles to allow for easy integration.

Right tools for the job

THE PROBLEM

With each new airplane model the number of software controlled systems increases as does the size and complexity of that software. Virtually all of that software is airplane loadable, which allows for flexibility in adding new functionally, fixing software problems, or modifying software to accommodate re-designed hardware. But on the other hand, it also adds complexity to the airplane configuration management process. There are numerous reasons why a given software part could change during the lifetime of the airplane. The configuration of the airplane must be known and tracked during all of these changes to maintain operational approval for the airplane.
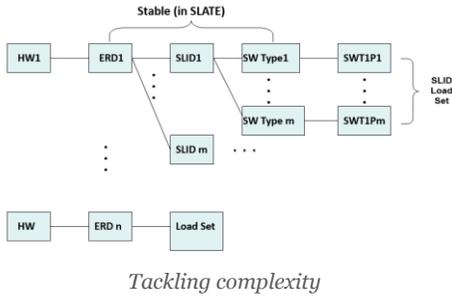
THE SOLUTION – ENGINEERING DATA MANGEMENT SYSTEM

The EDMS solution is a feature rich software application keeping track of all aspects related to the aircraft software configurations. Following are the high level EDMS features:

- ✈ Easy streamlined process to import data for new airplanes
- ✈ Intelligent business logic engine to manage valid authorized software configurations
- ✈ Intuitive step by step process to create and manage change requests
- ✈ Easy administration and handling of onboard software
- ✈ Detailed software configuration report per aircraft
- ✈ Web-based responsive UI design to fit all screen sizes
- ✈ Automatic configuration status updates according to airline workflow requirements
- ✈ Engineering Order progress
- ✈ Fulfils regulatory requirement for aircraft configuration tracking
- ✈ Easy access to historical configuration

Tackling complexity

KEY CAPABILITIES

✈ **Software configuration management**

EDMS provides universal access to the most important data relating to the software configuration at the airplane level. The tool supports system engineering with powerful features to plan and track software updates and configurations on aircraft-related software.

✈ **Intelligent business logic engine**

EDMS manages all the complex aspects of on-board software configuration management using an intelligent business logic engine hiding complexity from the users.

✈ **Historical data**

EDMS tracks and saves all the historical data for every single software configuration to meet regulatory requirements. Historical data is easily accessible in the application.

✈ **Data integrity and security**

EDMS pays special attention to making sure data integrity is achieved at every step of the process. Data is also kept secured from any corruption or illegal access.

✈ **Seamless integration**

With minimal effort, EDMS can be integrated with other systems used for various purposes by the airline.

✈ **Platform and device Independent**

EDMS is designed and developed using HTML5 web standards with adaptive and responsive UI making it compatible with all platforms, devices, and screen sizes.

Winning Team

Contact Us

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Please contact us to see how EDMS can solve your aircraft on-board software configuration problems!