instinctools

Delivering the future. Now

We **advance** and **innovate** your business with digital transformation

Flight Information Control System For a Top-10 Airport

How automating flight information validation and correction helped a European airport **eliminate** human errors and speed up data checks by **57%**.

Challenge

Our customer required a system for automatic flight information control with an option of manual information control by a person (flight operations officer) before it is reflected on the display.

The system needed to comply with the demands of consistency, partition tolerance, 24/7 availability and total data safety.

Solution

Our team developed a system that controls the input of information about flights in the airport, based on the defined rules. Based on these rules, the system decides if flight information is right or wrong and if right, it sends messages about flights on flight information display. If it is wrong, the system corrects it automatically, or allows manual correction by a flight operations officer, if automatic correction is impossible. Manual message correction is performed through a separate visual module that can run on any machine with access to this module that recognizes display messages with flight information.

Key features

- Automatic handling of flight information input
- Take decisions on flight info being right or wrong
- Send messages about flights to flight information display
- Automatic correction
- Visual interface for manual correction
- Get 24/7 access to the system
- Protection against data loss

Technologies Used

- Eclipselink
- Spring
- Hibernate
- Oracle
- JBoss
- Corba

Do you have a **similar project idea**?

Contact us — and we will estimate your projects costs for free!

CONTACT US