**fairway**
MESSAGE BROKER BY RESA



FAIRWAY is a communication server and message broker allowing airports to seamlessly upgrade their information systems and add new technologies and applications without disrupting their existing systems.

# An information exchange system

**FAIRWAY** is a communication system enabling different systems to share data. It seamlessly manages the protocols used and processes ad hoc data.

FAIRWAY ensures data exchanges between the various application systems connected to the Airport Operational Database (INFOPAX or other systems) by duplicating, routing, transforming, publishing and sending messages to any number of applications. As the strategic hub of the exchange system, FAIRWAY acts as an interface among proprietary systems that can be difficult to integrate and that utilize different communication protocols.
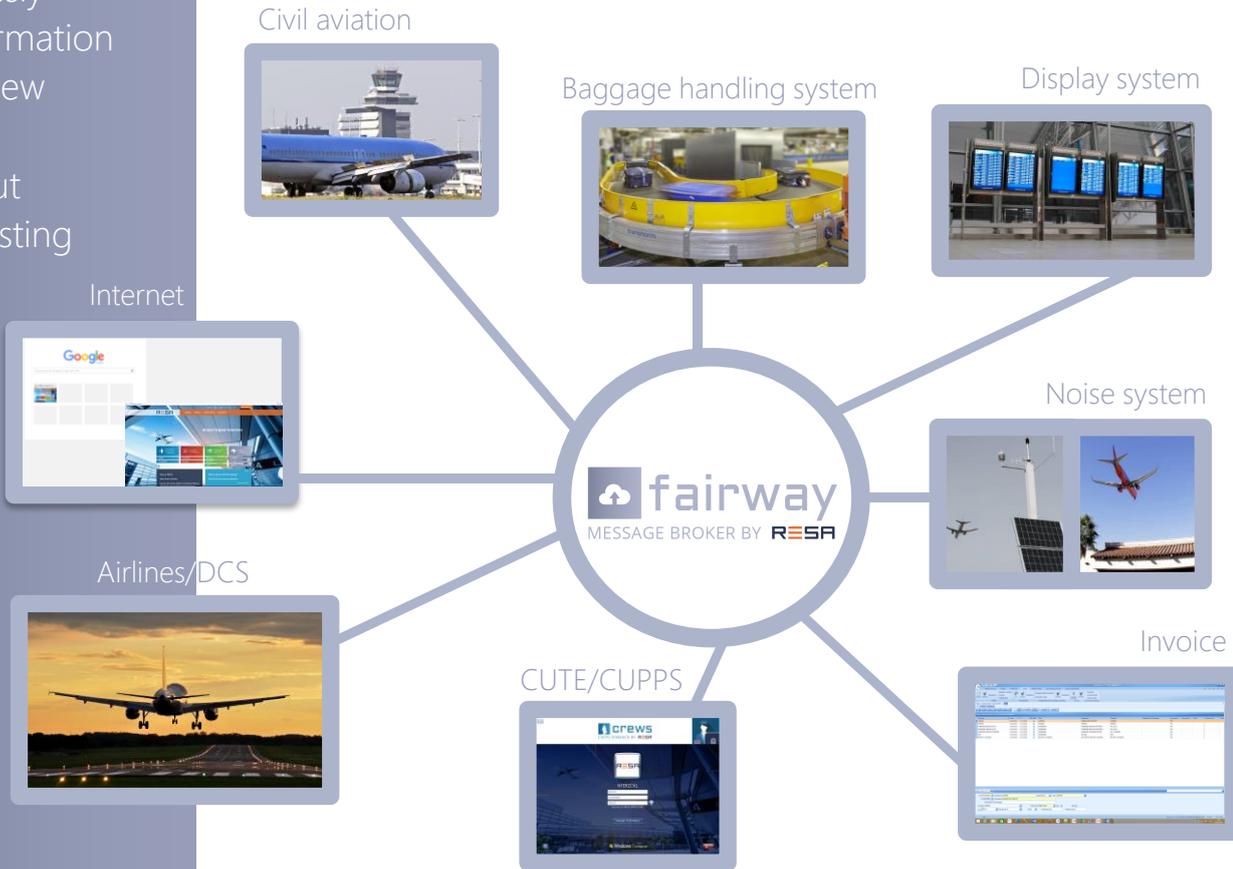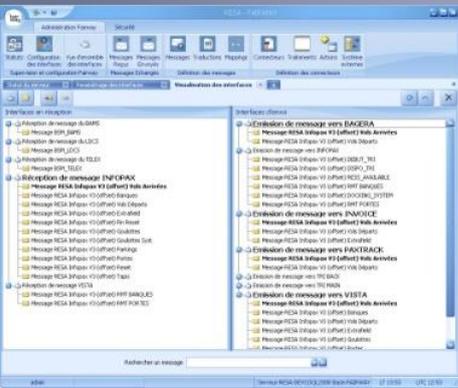
As a real message broker, FAIRWAY manages messages from independent applications. It can make a single item or information source available in real time to multiple AODB users.

FAIRWAY also has a supervision module that oversees the different communication services and sends information to administrators in the event of a problem.

## A communication hub

Civil aviation



Baggage handling system



Display system



Internet



Noise system



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Airlines/DCS



CUTE/CUPPS



Invoice



Thanks to the FAIRWAY interface, the noise detection system receives flight information from the AODB; the display system receives waiting lists and on-board entertainment information from the airlines, etc.

RESA

P.A de la Bretonnière, 16 rue Augustin Fresnel, 85600 Boufféré- France.
Tel: +33 (0)2 51 24 70 00  Fax: +33 (0)2 51 24 70 01  info@resa.fr  www.resa.aero

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# Interfacing with different environments

FAIRWAY offers airports an immediately operational solution that meets operating requirements, ensures technical compatibility and facilitates system migrations:
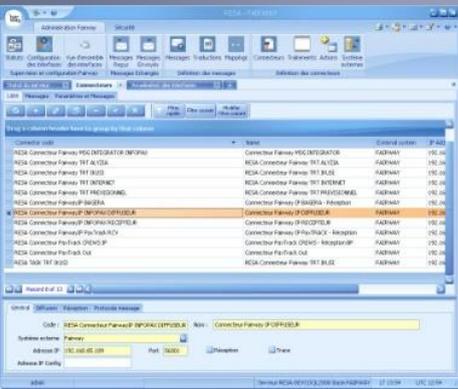
≡ Real-time transfer and multipexing of messages from the central information system to target systems;

≡ Periodic task management: file transfer, sending information to various systems (flight information display system, billing system…);

≡ Flexible and safe migrations without affecting the system availability;

≡ Communication failure recoveries with alert messages;

≡ Compatible with various releases of the same system or several identical systems for modification, testing or deployment purposes.

FAIRWAY includes an ergonomic administrative tool allowing real-time follow-up of the connections with the different systems of the airport.

## Scalable and modular architecture

FAIRWAY includes a portfolio of modules for various types of communications:

≡ Connection module for receiving IATA messages via any type of lince (e-mail, IATA type B, etc.): MVT, LDM/SLS messages (for INFOPAX and INVOICE), PNL (for CREWS LDCS), etc.;

≡ connection module for sending IATA messages: SOM, PSM, BTM, etc.;

≡ connection module for civil aviation;

≡ connection module for exchanging IATA bagage messages (via IATA type B, Bagllink, Bagmessage);

≡ connection module with various baggage sorting systems;

≡ connection module for sending alerts to supervision systems;

≡ connection module for sending flight files via FTP;

≡ connection module for noise and trajectory monitoring systems;

≡ connection module for updating website;

≡ connection module for VDGS systems (Video Dock Guidance System) for retrieving parking stand information;

≡ etc…

Based on detailed specifications, FAIRWAY can integrate any type of external system by developing dedicated modules using a specific protocol.

FAIRWAY is the strategic hub of system interfaces at the airport.

Please feel free to contact us for detailed documentation about FAIRWAY.

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