**IN PLANE TERMS**

Uniqueness vs. standardisation: a quest for efficient airport design

Every airport is a unique and complex environment. Unique factors such as products offered (domestic vs. international flights), geographic location (regional vs. metropolitan), and space constraints of the building (see e.g. the redevelopment of Schiphol), work alongside processes that are standardised to comply with local regulations, such as those imposed by OTS and CASA in Australia, and follow the recommendations of international trade associations like IATA.

The Airports of the Future project (AotF) has developed Airportpedia, a tool to conveniently custom-build various processes models related to passenger facilitation process for each individual airport.

Your Problem

This interplay of unique characteristics and standard requirements creates a high level of complexity around airports design, both in building new airports, and in upgrading existing airports.

Our Solution

The AotF has built a collection of 25 configurable process models capturing the passenger facilitation process.

The models are informed through interviews and research with five of our Australian airport partners (Brisbane, Melbourne, Perth, Gold Coast and Rockhampton).

These models demonstrate process options through a flow chart and are linked to a questionnaire interface that can be used by to configure the passenger facilitation process to the requirements of a particular airport environment.

No other tool has this capability today.

Airportpedia is powered by the Apromore technology, a web-based process model repository developed at QUT.

One simply needs to log into Apromore to see the collection of configurable process models for the passenger facilitation process, and open one of them to start the configuration for their airport.
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What next?

The AotF will shortly launch Airportpedia for live use by project partners.

This tool will be useful for small process design modifications right through to big picture issues around designing new airports.

We believe this brings us all one step closer to the airports of the future.

Want more information?

Contact the Airports of the Future Project
info@airportsofthefuture.qut.edu.au

www.processconfiguration.com

www.apromore.org

Professor Michael Rosemann
+61 7 3138 9473
m.rosemann@qut.edu.au

Associate Professor Marcello La Rosa
+61 7 3138 9482
m.larosa@qut.edu.au