

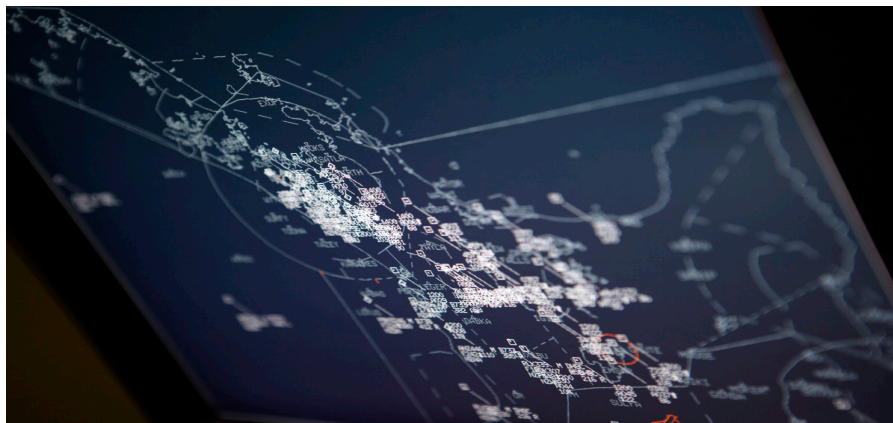
GO Loader Aviation enables Airways New Zealand to measure operational performance of the air navigation process

Background

Airways provides air traffic control and air navigation services across New Zealand's 30 million square kilometres of airspace, managing more than one million air traffic movements per year. Renowned globally for leading innovation and development in the aviation sector, Airways also delivers air navigation and air traffic management consultancy and training services in over 65 countries. The organisation is at the forefront of developing procedures and technology to reduce aviation's environmental footprint. Whilst being owned by the government, New Zealand legislation requires Airways to act as a normal agile self-directed commercial company with a view of being competitive and delivering value to their customers and shareholders.

Challenge

Airways wanted to develop a metrics system that would measure operational performance of the air navigation process in order to optimise productivity for their customers and passengers travel experience, and would answer questions like, "how well are they helping airlines avoid unnecessary costs and flight time" and "how well are they helping minimise customer's fuel burn and emissions?"



"The specific challenge was how to get a good mineable database of the air navigation system – the routes through the sky and on the surface at airports." revealed Tim Hughes, Strategic Research Specialist, Airways New Zealand.

"We needed to capture the data in a form that could be easily updated, could be searched to find the data that was in effect at an arbitrary time in the past, and because we are a cost-conscious organisation, that could be created and maintained for as little effort as possible!"

Customer

Airways New Zealand

Location

New Zealand

Industry

Air Navigation Service Provider (ANSP)

Challenge

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Solution

GO Loader Aviation

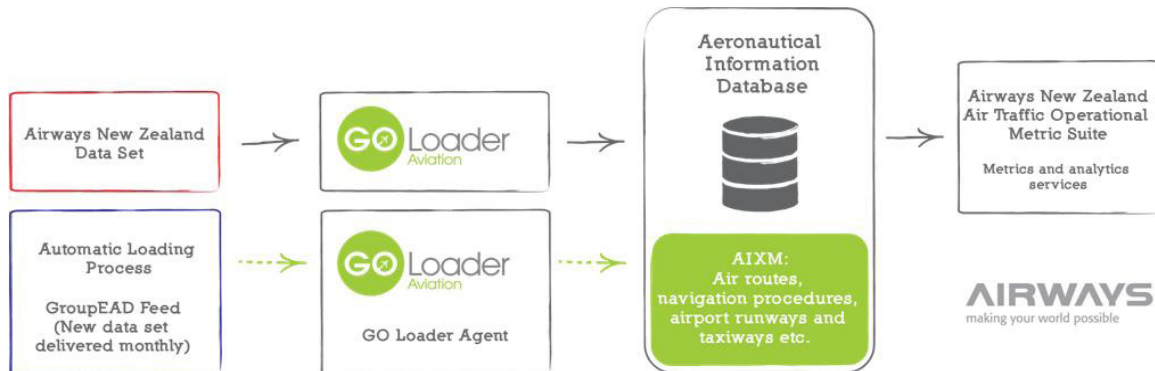
Benefits

"GO Loader Aviation absolutely exceeded our expectations. I was able to download the product, install it, learn the ropes and load our data set (all available air navigation data for 1/11th of the world's surface) in four hours flat." revealed Tim Hughes, Airways New Zealand.



Solution

In order to measure its operational performance, Airways needed to find a solution to load and manage large volumes of operational data delivered in AIXM format. After conducting an initial search of the market for an off-the-shelf solution, Airways found only partial solutions were available. Airways subsequently considered developing its own, however, cost, time and complexity ruled out a 'self-build' approach. Airways then discovered GO Loader Aviation from Snowflake Software, a complete out of the box solution that met all of its needs and could be up and running in a matter of hours.



“I have been watching Snowflake for some time, and following their success in the European SWIM Master Class competitions over the years in areas related to one of Airways real strengths - traffic flow management.” stated Tim Hughes.

Valuable time saved

Airways were looking for a standards-based solution rather than just a loading solution, and as air navigation data is published in standardised forms (AIXM), they needed a method for getting that data into a database that the metrics system could use.

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“Adding the new data set each month from GroupEAD’s AIXM feed takes 5 minutes, and is capable of being completely automated.”

Alexis James Brooker, Director of Professional Services at Snowflake Software said, *“It was great working with Tim and I’m excited that Airways New Zealand realised the potential of GO Loader Aviation. It’s hugely rewarding to see our product being used to improve performance within the air navigation process.”*

About Snowflake Software

Founded in 2001, Snowflake Software is an award-winning provider of on-premise and cloud-based software solutions, consultancy and training for loading, managing and sharing aeronautical, weather and flight data. Active in the aviation market since 2008, Snowflake has built its reputation as an expert in data exchange receiving a number of prestigious industry awards for its work, including 2-time SESAR Master Class winner, recipient of the 2013 Geospatial Technology Company of the Year, and winner of the 2015 IHS Jane’s ATC Award.