

# Airways New Zealand

## OSYRIS Collaborative Flow Manager

“CFM is a next-generation tool that is further optimizing the management of aircraft delays, ensuring they are incurred on the ground and not in the air. It allows us to be proactive in managing our network to optimize the impact of delays and also assign priorities to better manage the needs of our passengers connecting to other flights.”

Bob Fletcher, Head of Operations Support at Air New Zealand



Airways New Zealand, one of the world's leading Air Navigation Service Providers (ANSPs), and Barco have combined their technologies to develop a Collaborative Flow Management system for airlines. Collaborative Flow Manager (CFM) is an automated internet-based application that provides a system of allocating controlled off blocks, take-off and arrival times to a flight destined for a CFM controlled aerodrome. CFM is part of Barco's comprehensive Queue Management software for an integrated air traffic arrival, departure and flow management.

Since CFM was installed, Airways New Zealand estimates that the tool has contributed to NZ\$22 million in fuel savings and reduced CO2 emissions by 46 million kilos across the total New Zealand fleet.

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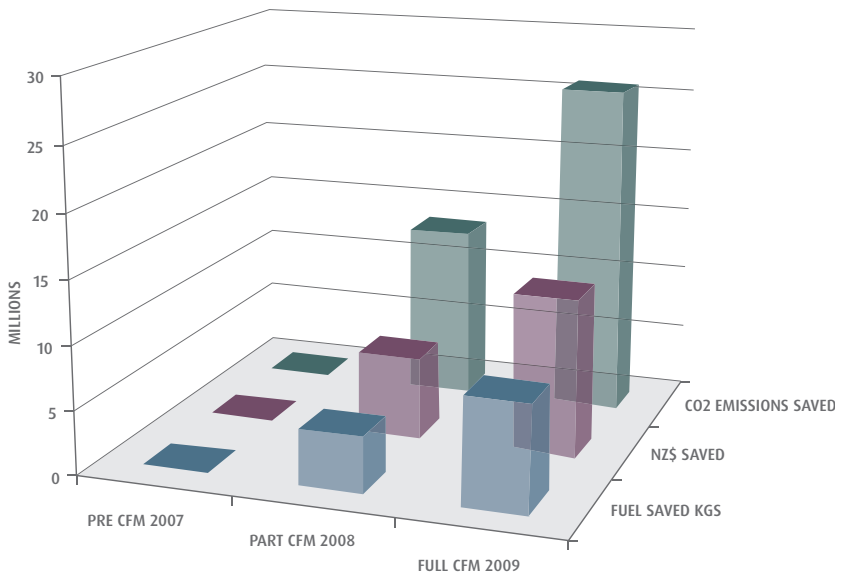


“CFM is a proven technology that has certainly demonstrated its worth. It has saved airlines money, reduced the impact of delays on their customers and allowed Airways to make progress on our mission, which is to help our customers succeed,” Airways Capacity Management Specialist Chris McGaw says.

CFM enables airlines to jointly agree on priority flights and reschedule their services by matching demand to capacity at New Zealand’s three main trunk airports. CFM exchanges data with the air traffic management system and uses it to calculate options to reduce inflight delay. The result is reduced fuel consumption and greenhouse gas emissions.

“CFM enables airlines to work collaboratively together – and with Airways – to schedule departures and arrivals to avoid congestion,” Chris McGaw continues. “Airlines can now move their aircraft around to best suit their fleet and their customers’ needs. The result: less airborne holding, delays for domestic flights are incurred on the ground wherever possible, trajectory modeling is more precise, and because international arrivals are visible to CFM two hours away, air traffic controllers can make better flow assessments because the data is available to them much earlier.”

### Fuel savings realized through CFM



	Fuel saved kgs	Fuel cost saved (NZ\$)	CO2 emissions saved
Pre CFM 2007	0	0	0
Part CFM 2008	4,262,000	6,435,000.00	13,467,920
Full CFM 2009	8,211,000	12,398,000.00	25,946,760