

UNRESTRICTED COMMS

Lynden Air Cargo



BACKGROUND & REQUIREMENT

Lynden Air Cargo operates a major global operation out of Anchorage Alaska, providing scheduled service throughout Alaska and charter flights to or from anywhere in the world.

Their fleet of iconic Lockheed 382G Hercules Air Freighter (C130) aircraft have carried cargo as odd as live killer whales and wood bison and they have operated from the Arctic to the African interior. In addition to carrying cargo, their services include disaster relief, firefighting and oil spill response.



Heavy Lift & Oversized Capability

With support for their previous satellite communications system ending in 2013 they started searching for a feasible replacement that could transmit large email. They quickly realised the search would be difficult as “large email” to most Iridium service providers means less than a few hundred characters where Lynden regularly requires in excess of 8000 characters to transmit a single flight plan to an airplane. This capability is mission critical when the flightdeck is the only available office.

SOLUTION

In 2015 Lynden Air Cargo purchased a Flightcell DZMx for an aircraft that was to be contracted to the New South Wales Rural Fire Service in Australia. Lynden was very impressed with the DZMx and the can-do attitude of the team at Flightcell and TracPlus Global (tracking service provider). As a result, Lynden upgraded their entire fleet to DZMx with only verbal assurance that functionality would be developed to meet their needs of transmitting large email to their airplanes.



“ *The can-do attitudes of you folks... sold us on installing it in the rest of our fleet...* ”

INSTALLATION

DZMx with remote heads were installed to provide operation from both sides of the Hercules cockpits. The units were configured for worldwide coverage of voice, data and flight tracking utilizing both Iridium and cellular networks. WiFi routers were



DZMx, DZMx Remote Head and Cellular Antenna

installed to provide wireless connectivity to the DZMx for tablets and other smart devices.

Flightcell, in partnership with TracPlus Global, developed new software to allow large emails to be sent from the operations department to the aircraft over the Iridium satellite network.



“We were very impressed with the combination of DZMx’s simplicity and its capabilities. That and the can-do attitudes of you folks at both Flightcell and TracPlus sold us on installing it in the rest of our fleet with only a verbal commitment to work on meeting the rest of our unique requirements ”

Joe Anderson

Special Projects Coordinator
Lynden Air Cargo

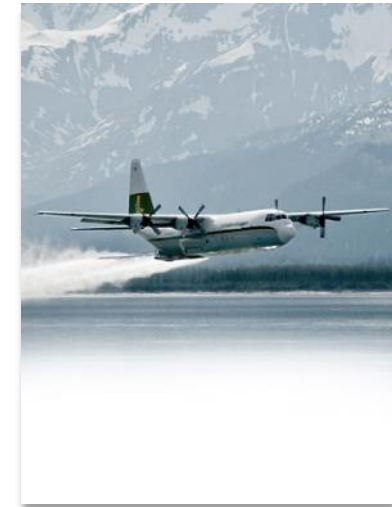
RESULT

The DZMx's have proven themselves in the demanding situations and environments that Lynden Air Cargo find themselves in. They are providing reliable flight tracking and are working great for conveying large text emails via Iridium to on-board smart devices.

Lynden Air Cargo is planning to utilize the DZMx form feature, to compile and send pre-formatted reports off the aircraft.



Disaster Relief Work



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