



EVERYWHERE

Aircraft Tracking Solution in the Alaskan Skies

Spidertracks leverages Iridium short-burst-data (SBD) service and truly global network to deliver mandatory Iridium Satellite Aircraft Tracking system.

Spidertracks

Recently the Department of the Interior, Alaska, announced a change to its contracts to require all aircraft operators that carry employees — and in some cases cargo — working in any DOI department to have an Iridium Satellite Aircraft Tracking system on board and operational starting June 1, 2011.

The Challenge

The contract change had a number of functional requirements that had to be met. The solution had to be Iridium-based, able to report at 2 minute intervals, powered by the aircraft's own electrical system, and able to be mounted safely where the pilot can reach the keypad and verify the system is operational prior to take off.

The DOI also required system compatibility with the government AFF Webtracker system and a web service accessible by the government department.

The Solution

Integrating Iridium's short-burst data (SBD) service and truly global communications network into their own systems proven in over 60 countries, Spidertracks developed an AFF compliant and Webtracker compatible system that is self-contained, fully portable, easy to install, conveniently mounted near the pilot and powered by the aircraft. Reporting intervals and who has access can be adjusted as required, convenient and cost saving for flights not involving DOI contract work.

Spidertracks capabilities support two-way texting and emails, flight status notifications and message confirmations, while also allowing for verification the system is active, real-time situational awareness, and viewing multiple aircraft on one or separate maps.



The Results

The Spidertracks S3 and the S4 with Bluetooth and geofencing capability both meet all DOI contract system requirements, providing Alaskan operators with a choice of cost-effective, portable, proven solutions that also enhance the safety and efficiency of their operations.

Spidertracks as part of the Iridium Global Ecosystem

Solution Provider: Spidertracks

Enabling Product: Spidertracks Spider S3 and Spider S4 aircraft tracking devices

Enabling Product Vendor: Spidertracks, an Iridium value-added reseller, is a New Zealand-based systems developer that has specialized in working with Pt 135 operators around the world, including US-based companies such as Papillion and Sundance Helicopters, and contractors who are required to carry AFF-compliant systems.

Iridium Core Component: Iridium 9602 SBD transceiver, short burst data service

Iridium Key Network Capability: Iridium's global coverage and low-latency data connections provide the enabling technology for satellite aircraft tracking and data communications for operators flying over Alaska — and anywhere in the world.

Only one communications company connects the entire globe

Iridium commands the world's furthest reaching network, making it the only truly global communications company with solutions that span from pole-to-pole. Iridium voice and data products provide superior communications solutions that allow global companies, government agencies and individuals to stay connected everywhere. With a unique, global ecosystem of partners, Iridium continues to create new, high-value capabilities that are leading the world into a new era of communication.

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