

RelmaTech validates viability of UAS Remote Identification and Tracking over Satellite Internet

08 February 2020 – Leading UAS/UAV and spatial management technology company RelmaTech has today confirmed that truly-global identification and tracking of all flying and moving objects is technically and commercially viable. This represents a significant leap toward achieving continuous geographic coverage and global access to multi-device tracking services.

RelmaTech's Secure Integrated Airspace Management (SIAM) solution is the well-regarded market leader and spans cellular mobile networks in multiple countries across the US, Europe and Asia – but was always dependent upon network signal coverage. Taking the wraps off this new project confirms that RelmaTech's UAS/UAV ID and Tracking service technology is fully compatible with the latest satellite internet service from Iridium.

"We always knew that SIAM would take a strategic leap forward if it could be shown to work globally on a satellite internet service," says Philip Hall, RelmaTech's Co-Founder and CEO, and President of RelmaTech Inc. "SIAM was designed in a highly modular form, capable of rapid reconfiguration for satellite solutions, but up until now we had no way of demonstrating how it would work end-to-end."

Iridium's recent release of a new format, ultra-compact satellite modem provided the technology platform that RelmaTech had been looking for, and initial trials have exceeded all expectations.

"We were able to load our SIAM software engines relatively easily onto the new Iridium units," explains Hall. "The Iridium module is configured for highly flexible access to the satellite comms link, enabling us to develop a fully working demonstration of SIAM over satellite internet. Even more exciting is that this paves the way for all our additional datalink services to be available over the same system."

RelmaTech specializes in building the most advanced, secure global solutions for real-time vehicle/device identification, tracking and situational awareness across multiple applications. Based on compact, light-weight, low power modules that readily deploy into all types of UAS, our cloud based SIAM system uniquely serves all operational needs for managing large fleets of UAV/UAS over national and continental areas. All UAS flown in the recent NASA UTM TCL4 program in Reno, Nevada were fitted with a SIAM module that provided continuous real-time UAS remote ID and tracking information over the cellular network and by WiFi direct broadcast.

"This satellite service extension represents the final major step in reaching continuous global device management, enabling us to move into commercial trials with key partners."

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About RelmaTech: *RelmaTech is a private technology development company specializing in secure integrated spatial management solutions for autonomous and semi-autonomous vehicles and mobile device operations in any environment. Global solutions handle real-time and historic location data for the purpose of vehicle/device identification, live tracking, situational awareness and evidence management across multiple applications. Headquartered in London, UK with representation in the United States (RelmaTech Inc.), RelmaTech's solutions have proven successful in applications that include commercial drone flight operations in collaboration with both civil and military air-traffic control.*



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