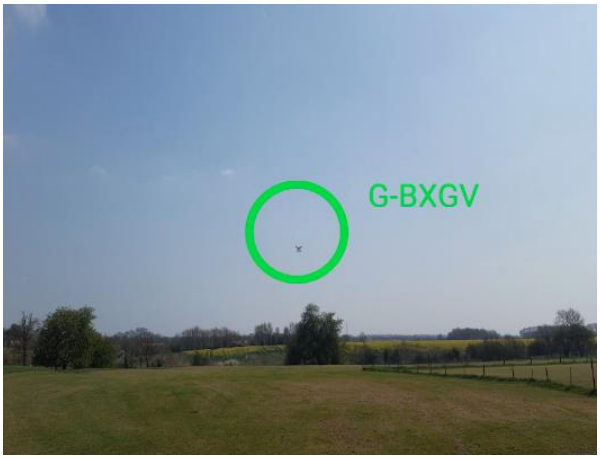
RelmaTech Announces Innovative Direct Broadcast UAS ID and Tracking Solution

Solution anticipates future regulatory requirements for UAS local identification and tracking.

London, UK – RelmaTech has designed and developed an innovative solution to meet any future regulatory requirements for UAS to broadcast their position and unique ID without relying on a communications network to carry that data.

RelmaTech's leading-edge Direct Broadcast solution – an early prototype version of which has been demonstrated to key people at the FAA, NASA and AUVSI – uses WiFi-based technology to create a unique beacon on the UAS. The light-weight, low cost solution is based on proven, stable and robust technology with high volume availability.

"This is a broadcast mechanism, so no network attachment is required and latency, or broadcast delay, is near zero" says Simon Brown, RelmaTech's Co-Founder and CTO. "The onboard device broadcasts a specific set of telemetry data at a high refresh rate. Broadcast signals may be detected by a simple smartphone app or by other compatible direct broadcast modules, making it an ideal solution for local identification and tracking of UAS, especially by law enforcement officers and first responders."



Screen shot in augmented reality mode showing identification of a UAS (a DJI Phantom 3) flying with RelmaTech DBM installed.

Any required information, including UAS location and ID, may be displayed via an augmented reality application, or on a moving map of the local area.

"What's really exciting is that the solution also supports direct Vehicle to Vehicle (V2V) communications, enabling onboard situational awareness and Detect and Avoid applications" adds Brown. "We are currently working with partners to demonstrate this. That's not only exciting for us, but also for the UAS industry overall."

The Direct Broadcast solution will soon be available as a standalone module (DBM), as well as fully integrated into RelmaTech's existing Secure Integrated Airspace Management (SIAM) system.

"With SIAM and the DBM, RelmaTech is now in a unique position to offer the global UAS industry practical, low cost and robust solutions to anticipated regulatory requirements for both network and broadcast UAS remote ID and tracking capabilities," says Brown.

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About RelmaTech Limited: *RelmaTech specializes in the development and operation of integrated technology-based solutions that provide for the safe, secure spatial management of autonomous and semi-autonomous vehicle 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, operator authorization and evidence management across multiple applications. We also work with partners and clients to introduce advanced operating management procedures to the emerging standards required for unmanned vehicles, autonomous systems, and remotely operated devices. The globalized nature of the tracking database means we can design and build solutions that both publish your asset track data and share related data from other operators in co-operate spatial domains. Headquartered in London, UK our solutions have proven successful in applications that include commercial drone flight operations in collaboration with both civil and military air-traffic control.*

For more information, visit us at www.relmatech.com or contact us at enquiries@relmatech.com.