

Silvus Technologies and Unmanned Systems and Solutions Partner to Deliver Unmatched Aerial Communications and Surveillance Capabilities

Tampa, FL (May 29, 2020) – Silvus Technologies (“Silvus”) and Unmanned Systems and Solutions (“USaS”) announced today the two companies have combined the best-in-class Silvus MN-MIMO technology with USaS’s LEAP, the most powerful tethered, unmanned aerial vehicle system (UAV) available to make robust, powerful, meshed networking accessible to first responders, military and private entities.

“Collaborating with industry-leading, like-minded organizations is crucial to our mission of delivering long-range, mobile and non-line-of-sight communications with unrivaled performance,” said Kasey Cooper, Silvus Technologies Director of Unmanned Systems. “Enabling USaS’s platform with our MN-MIMO technology allows us to deliver unmatched range, multi-mission capability, robustness and throughput in even the harshest, most challenging environments.”

The MN-MIMO technology in the Silvus 4200 and 4400 series radios provides tactically secure data and video communications for the military, law enforcement and broadcast industries. Silvus radios can transmit high speed data and high definition video great distances with up to 8 Watts of native output power, delivering the effective performance of a 32-Watt radio, thanks to Silvus’ unique TX Eigen Beamforming.

With its proprietary, patent pending technology, USaS’s LEAP system provides users with 24+ hour uninterrupted missions, 20+ pound payload capacity, and UAV-to-ground data communication rates exceeding 10 Gb/sec.

When combined, the Silvus 4200 and 4400 radios and the USaS LEAP system provide unmatched persistent aerial mobile networked communications and surveillance capabilities in rugged, rapidly changing environments. With the ability to deploy a StreamCaster radio 400’ or more above an operating environment, the LEAP system addresses many of the limiting factors of wireless technology, including line of sight limitations and interference. The systems can also be expanded to form an aerial communications mesh network to cover a larger urban or rural area.

The updated LEAP UAV system with StreamCaster datalink is expected to be available in Q3 2020.

About Silvus Technologies, Inc.

Privately held and headquartered in Los Angeles, Silvus Technologies develops advanced MIMO technologies that are reshaping broadband wireless connectivity for mission critical applications. Backed by an unmatched team of PhD scientists and design engineers, its technologies provide enhanced wireless data throughput, interference mitigation, improved range, mobility, and robustness to address the growing needs of its government and commercial customers.

About Unmanned Systems and Solutions, LLC

Privately held and headquartered in Tampa, Florida, USaS provides LEAP - the industry’s most powerful, heaviest lift and fastest data speed tethered UAV platform. Combining backgrounds in electrical engineering, telecommunications equipment and services, and commercial and military UAV experience, USaS is unique in its ability to provide reliable, powerful and flexible UAV solutions that meet a wide variety of mission needs.

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