Swiss Army Chooses Lockheed Martin's Indago 3 UAS For Tactical Reconnaissance And Surveillance

Lockheed Martin will adapt, its Indago 3 small unmanned aircraft system (UAS) to a configuration that meets Swiss Army requirements.



With its leading endurance and quick deployment ability, Lockheed Martin's Indago 3 is a military-grade, all-weather, group 1 quadrotor unmanned aircraft system. Credit: Lockheed Martin

Vineyard, Utah, July 30, 2020 – Armasuisse contracted Lockheed Martin (LMT) for a fleet of Indago 3 small unmanned aircraft systems (UAS), with options for spares, training and tech support and additional systems for the Swiss Army.

Indago provides aerial reconnaissance in environments unreachable by normal fixed-wing, unmanned aircraft systems.

The first phase comprises manufacturing development to optimize the Indago 3's configuration to meet Swiss Army requirements. These include:

- Integration of a transponder for sense and avoid;
- Installation of the Silvus Technologies' radio; and
- Implementation of Lockheed Martin CDL Systems' VCSi Touch SUAS Ground Control System software that includes access to Swiss maps, including digital terrain elevation data (DTED), and Geofencing.

The first set of optimized systems will be delivered later this year with the remaining systems to be delivered several months following the first delivery. These Indago 3s will support tactical level reconnaissance and surveillance to support information collection, search and rescue, disaster relief and battle damage assessment.

"Indago 3 is uniquely qualified to support the Swiss Army's mission needs," said Steve Fortson, UAS Portfolio manager at Lockheed Martin. "Indagos operate very quietly from relatively low altitude and provide high fidelity sensor imagery. They are simple to use and require minimal training so soldiers can quickly execute their mission. The Silvus Technologies radios also deliver best-in-class performance and efficiency in a miniature package. They're ideal for use in portable and embedded applications where size, weight, power and cost are key."

Depending on payloads and operating environment, Indago 3 has a flight time of up to 50 minutes, a range of 10 kilometers, a cruise speed of 25 knots and dash at up to 40 knots. It can also operate at temperatures as low as 30-degrees below zero and as high as 120 degrees Fahrenheit. It's cyber-secure with high fidelity color and infrared 3-axis stabilized sensors – and at approximately 5 lbs., Indago can be easily transported by a single backpack and deployed in less than three minutes.

To learn more about Indago 3, visit www.lockheedmartin.com/indago

To learn more about Silvus Technologies, visit https://silvustechnologies.com/

About Silvus Technologies
Headquartered in Los Angeles, Silvus Technologies develops world-class advanced communications technologies that are reshaping the tactical wireless communications landscape. Silvus' revolutionary Mobile Networked MIMO technology utilizes a proprietary blend of MIMO antenna techniques, COFDM modulation, and Mobile Ad Hoc Networking to provide unmatched range, throughput, and mobility, even in the most challenging environments. From pure line-of-sight to extreme non-line-of-sight, Silvus' radios facilitate reliable duplex connectivity between 2 or more radios, forming a self-healing, self-forming mesh network that continually optimizes itself in response to changing channel conditions.

About Lockheed Martin
Headquartered in Bethesda, Maryland, Lockheed Martin is a global security and aerospace company that employs approximately 110,000 people worldwide and is principally engaged in the research, design, development, manufacture, integration and sustainment of advanced technology systems, products and services.

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