



Elbit Systems of America's intelligent autonomous trailer-mounted surveillance towers selected by CTTSO, CBP

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FORT WORTH, Texas, Aug. 27, 2020 /PRNewswire/ -- Enhancing situational awareness, autonomy, automation and increasing safety: These advanced technology characteristics are key for those dedicated to protecting the United States. Elbit Systems of America meets these requirements by delivering two variants of intelligent and autonomous trailer-mounted surveillance tower systems, which will reduce operator workload and increase situational awareness and safety.

In late 2019, the U.S. Customs and Border Protection Agency (CBP) selected the company's Intelligent Trailer Mounted Surveillance Tower solution for use along the U.S. southern border. In April 2020, the Combating Terrorism Technical Support Office (CTTSO) selected Elbit Systems of America's Autonomous Relocatable Surveillance Tower system for future deployment by U.S. Departments of Defense and Homeland Security.

Intelligent Relocatable Long-Range Surveillance Tower

The trailer-mounted system selected by the CBP is a relocatable configuration designed to quickly deploy surveillance capability to examine border areas of increased activity or with land use and environmental concerns. The 80-foot tower system provides superior long-range situational awareness, using integrated, advanced surveillance sensors, including electro-optical and infrared cameras and ground surveillance radars that transmit imagery and locations for items of interest in real time to the TORCH™ Common Operating Picture located at command and control centers and to Agents in the field.

Autonomous Relocatable Surveillance Tower

As part of the CTTSO program, Elbit Systems of America will demonstrate the capabilities of a trailer-mounted, 110-foot tower, equipped with a suite of cutting-edge sensors, in various conditions over the next year. The long-range sensor payload on this tower system consists of a ground surveillance radar, a high-resolution day camera, a thermal camera, and a laser illuminator. The tower's trailer provides electronic enclosures, security features and a power generator. This trailer-based tower can be quickly deployed to areas-of-interest and set up by users in less than two hours.

The Autonomous Relocatable Surveillance Tower system uses artificial intelligence/computer vision to automatically maintain situational awareness by autonomously detecting, tracking, and identifying items of interest and then sending the information to command and control centers with no operator intervention. This increased level of automation and autonomy reduces operator workload to the point where fewer Agents are needed in the command & control center to surveil larger portions of the border allowing some to return to the field.

Joel Friederich, Vice President of C4I and Homeland Security Solutions at Elbit Systems of America, said: "Surveillance towers are a tremendous resource for U.S. Customs and Border Protection and the Department of Defense as they provide situational awareness in hard-to-reach or large coverage areas. Our intelligent autonomous relocatable trailer-mounted surveillance towers increase situational awareness, boost safety and reduce the work load of operators by incorporating the latest advances in artificial intelligence and machine learning. These systems are modular and adaptable to operational needs and complement other sensors in the field."

As a leader in border security solutions, Elbit Systems of America is a long-time partner of the CBP. Currently, more than 50 of the company's Integrated Fixed Tower systems are deployed across the U.S. southern border, aiding agents.

About Elbit Systems of America, LLC

Elbit Systems of America, headquartered in Fort Worth, Texas, is a leading provider of high-performance products, system solutions, and support services focusing on the defense, homeland security, law enforcement, commercial aviation, and medical instrumentation markets. With facilities throughout the U.S., Elbit Systems of America is dedicated to supporting those who contribute daily to the safety and security of the United States. Elbit Systems of America, LLC is wholly owned by Elbit Systems Ltd. (NASDAQ: ESLT and TASE: ESLT), a global high technology company engaged in a wide range of programs for innovative defense and commercial applications. For additional information, visit: www.ElbitAmerica.com or follow us on [Twitter](#), [LinkedIn](#) and [Instagram](#).

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