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## **Elbit Systems and Windward Team to Introduce Advanced Maritime Surveillance Solution for India**

Elbit Systems Ltd. has teamed with Windward Ltd. to offer integrated maritime solutions for the Indian authorities. The joint solution combines Windward's innovative satellite-based maritime analytics system, MarInt, with Elbit Systems' wide range of solutions for maritime domain awareness, including Hermes® 900 maritime patrol unmanned aircraft systems (UAS).

The cooperation between the two companies addresses the specific needs of India and its vast and complex maritime arena and will be demonstrated for the first time globally at the upcoming Aero-India 2013. The cooperation makes available a unique system adapted for very large maritime area monitoring, providing authorities with powerful means to control India's waters.

MarInt, Windward's proprietary satellite-based maritime analytics system, maps the global maritime activity in unprecedented details, based on data collected from various sources, such as commercial satellites, open-source data bases and other sensors. Covering any area of interest, regardless of the distance from shore, MarInt delivers maritime domain awareness over littoral or blue water areas, for Exclusive Economic Zone (EEZ) monitoring, fishery control, regional traffic analysis or port traffic management. After the routine maritime patterns are observed and learned, the system performs deep behavior analysis on every vessel spotted in the designated area of interest, in order to detect anomalous and suspicious behavior.

Operating 24/7, MarInt pinpoints "where is the perpetrator you didn't even know was there". This further enables tasking of unmanned assets such as UAS to



patrol the designated areas, identify and track the suspicious vessels, significantly optimizing aerial patrol and increasing mission effectiveness while reducing cost.

The Maritime Hermes<sup>®</sup> 900 is a new configuration of Elbit Systems' largest UAS, adapted for maritime operations, carrying selectable mission payload of up to 350 kg., including maritime surveillance radar, Automatic Identification System (AIS), an electro-optical multi-sensor payload and electronic surveillance systems. It has the endurance to cover vast ocean areas, redundant line-of-sight and satellite communications links and radio relay, enabling operators to talk to local vessels while flying patrolling remote sea areas at extended ranges from shore.

Elbit Systems offers a wide variety of systems for maritime security including maritime patrol UAS, Naval C4I, Command and Control centers, SIGINT and EW systems, electro optic systems, unmanned vessel systems, communication solutions and radios, Cyber solutions, and more.

### **About Elbit Systems**

Elbit Systems Ltd. is an international defense electronics company engaged in a wide range of programs throughout the world. The Company, which includes Elbit Systems and its subsidiaries, operates in the areas of aerospace, land and naval systems, command, control, communications, computers, intelligence surveillance and reconnaissance ("C4ISR"), unmanned aircraft systems ("UAS"), advanced electro-optics, electro-optic space systems, EW suites, airborne warning systems, ELINT systems, data links and military communications systems and radios. The Company also focuses on the upgrading of existing military platforms, developing new technologies for defense, homeland security and commercial aviation applications and providing a range of support services.

For additional information, visit: [www.elbitsystems.com](http://www.elbitsystems.com).



### **About Windward Ltd.**

Windward is a privately owned global company founded by ex-naval officers, developing an innovative technology for the maritime domain.

We believe that with the introduction of multiple complex satellite earth observation systems, the maritime domain has entered the information age. Governments and other authorities nowadays have access to an unprecedented amount of data on ship positions and behavior, creating an urgent need for complex analytical technology to accurately analyze the huge quantity of information gathered and to extract from it meaningful, reliable and actionable insights. We have designed and created a system that makes this possible.