



Israel Aerospace Industries and ATLAS ELEKTRONIK unveil a joint development integrated in the BlueWhale uncrewed submarine

On May 10th, Israel Aerospace Industries and ATLAS ELEKTRONIK, a company of thyssenkrupp Marine Systems, officially launched their latest joint development for advanced anti-submarine warfare (ASW) missions at the Undersea Defence Technology (UDT) Conference and Exhibition in Rostock, Germany. In a festive ceremony at ELTA's exhibition booth, Eyal Shapira, Vice President and General Manager of ELTA's division for Air Defense and Naval Systems, and Michael Ozegowski, Chief Executive Officer of ATLAS ELEKTRONIK, unveiled the joint development, demonstrating an important milestone in the long-standing partnership between thyssenkrupp Marine Systems and the Israeli industry.

Based on ELTA's sophisticated BlueWhale autonomous underwater multi-mission platform, a large uncrewed underwater vehicle with a wide range of advanced sensor systems, the system incorporates ATLAS ELEKTRONIK's unique, towed passive sonar triplet array. In contrast to existing towed sonars, the combined system is designed to function at depths traditionally exploited by submarines to avoid detection. A transmitter developed by ATLAS ELEKTRONIK, deployed from an autonomous or crewed surface vessel, enables the bi-static location and tracking of submarine targets by BlueWhale ASW.

IAI is a pioneer in the field of uncrewed systems in the air, land, space and sea domains. The world's first uncrewed aerial vehicle (UAV) was developed by IAI for the Israel Defense Forces. During recent decades, IAI became a leader for robotic ground systems, uncrewed vessels, loitering munitions and more. The BlueWhale ASW platform has been successfully tested for thousands of diving hours, performing a wide range of missions, including ISR (Intelligence, Surveillance & Reconnaissance), EW/ESM (Electronic Warfare Support Measures) and MCM (Mine Countermeasures).

During the presentation of BlueWhale ASW at UDT, **Michael Ozegowski, Chief Executive Officer of ATLAS ELEKTRONIK**, highlighted the excellent partnership between the two companies spanning decades: "The joint development of BlueWhale ASW demonstrates once again the long-standing and trusting cooperation between German and Israeli naval industry partners. In close collaboration with ELTA, we developed a state-of-the-art system solution enabling high-impact ASW operations with minimum infrastructure requirements. The ATLAS ELEKTRONIK towed passive sonar triplet array and advanced transmitter solution is optimized for long-endurance autonomous operations. A solution that meets operational needs and capabilities in an efficient and cost-effective way."

Eyal Shapira, Vice President and General Manager of ELTA's division for Air Defense and Naval Systems, said: "This new joint development is a result of the close relationship between IAI ELTA and ATLAS ELEKTRONIK, and between Germany and Israel. BlueWhale ASW will rely on ELTA's extensive experience in the realm of machine learning and AI-driven autonomous systems together with the company's advanced payloads, including AESA radars, SIGINT systems and secure, long-range communication systems. Highly developed, on-board processing ensures that the incoming intelligence data is exploited in a timely and efficient manner."

The ATLAS ELEKTRONIK towed sonar array incorporates the company's legacy of more than 100 years in the design, development and production of naval systems. It is based on the company's proven ACTAS (Active Towed Array Sonar) platform, a deep-water sonar system originally designed for surface vessel deployment. The system utilizes a low-frequency sonar system that facilitates excellent area coverage while maintaining high sensitivity at depths previously beyond the reach of conventional sonar systems.

Technical specifications of BlueWhale ASW:

Length: 10.9 m

Diameter: 1.12 m

Weight: 5.5 t

Endurance: 10 – 30 days (depending on the mission)

Speed, operational: 2 – 3 knots, max. 7 knots (submerged)

Depth rating capability: 300 m

About ATLAS ELEKTRONIK

The ATLAS ELEKTRONIK Group stands for maritime and naval solutions above and below the ocean surface. The company holds a leading position in all fields of maritime high technology, from command & control systems including radio & communication systems for submarines, surface combatants and mine warfare systems and ranging to heavyweight torpedoes, coastal surveillance systems and in-service support. ATLAS ELEKTRONIK has established a worldwide customer portfolio. The electronics specialist is an operational unit within thyssenkrupp Marine Systems. The company has a workforce of around 2.500 highly skilled employees. More information at: www.atlas-elektronik.com

About thyssenkrupp Marine Systems

thyssenkrupp Marine Systems is one of the world's leading naval companies with approx. 6,500 employees and is active as a systems supplier for submarines and naval surface vessels as well as for maritime electronics and security technologies. Around 3,600 people work at the Kiel site, making it the largest shipyard location in Germany. More than 180 years of history and the constant striving for improvement allow the company to set new standards time and time again. thyssenkrupp Marine Systems offers its customers worldwide tailored solutions to meet the highly complex challenges of a changing world. The driving forces

behind this innovative energy are the company's employees, who shape the future of thyssenkrupp Marine Systems with passion and commitment every day.

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More information at: www.thyssenkrupp-marinesystems.com.

[Link to press release and pictures](#)

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