

Successful SeaSpider sea trials in the Baltic Sea

ATLAS ELEKTRONIK GmbH announces successful SeaSpider sea trials in cooperation with the German Bundeswehr Technical Center for ships and naval weapons, maritime technology and research (WTD 71). The full “sensor to shooter” functional chain of a hardkill surface ship torpedo defense system with Torpedo Detection, Classification and Localisation (TDCL) and the SeaSpider Anti-Torpedo-Torpedo (ATT) has successfully been demonstrated on a surface ship.

Trials in the Baltic Sea for torpedo defence studies were conducted on a WTD 71 multipurpose vessel. These comprised the full functional chain with TDCL sonar and the third generation SeaSpider prototype with its above water launcher. At the WTD71 test range both a Mk37 torpedo derived AUV and torpedoes of the DM2A3 type served as the threats which were detected and localised with passive and active TDCL and the attendant data was used to cue the SeaSpider launch. SeaSpider acquired the threats and homed in into closest point of approach (CPA). Successful “intercept” equivalent CPA was verified by acoustic and optical means. After full evaluation of the trial results in 2018 information and pictures of the trials have now been approved for release.

ATLAS ELEKTRONIK appreciates the cooperation with the German Bundeswehr Technical Center for ships and naval weapons, maritime technology and research (WTD 71) in the ongoing torpedo defense studies. In parallel ATLAS ELEKTRONIK is conducting company funded serial product development of the SeaSpider ATT and the ATLAS ELEKTRONIK surface ship torpedo defence suite.

Captions:

Picture 1: Surface Ship Torpedo Defence Trial System on a WTD 71 multipurpose vessel

Picture 2: Surface Launch of the SeaSpider ATT prototype

Picture 3: TDCL sonar container

Picture 4: Free Flooded Ring Transducers for active TDCL sonar

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 has established a worldwide customer portfolio. The electronics specialist is an operational unit of thyssenkrupp Marine Systems. The company has a workforce of around 2.200 highly skilled employees.

More information at: www.atlas-elektronik.com

About thyssenkrupp Marine Systems

thyssenkrupp Marine Systems is one of the world's leading system suppliers for submarines and naval surface vessels. The company has a history of naval shipbuilding that dates back centuries and offers state-of-the-art technologies, innovations and extensive and dependable services to customers around the world.

More information at: www.thyssenkrupp-marinesystems.com

About thyssenkrupp

thyssenkrupp is a technology group with traditional strengths in materials. Over 160,000 employees in 78 countries work with passion and technological know-how to develop high-quality products and intelligent industrial processes and services for sustainable progress. Their skills and commitment are the basis of our success. In fiscal year 2017/2018 thyssenkrupp generated sales of €42.7 billion.

Together with our customers we develop competitive solutions for future challenges in their respective industries. With our engineering expertise we enable our customers to gain an edge in the global market and manufacture innovative products in a cost- and resource-friendly way. Our technologies and innovations are the key to meeting diverse customer and market requirements around the world, growing on the markets of the future, and generating strong and stable earnings, cash flows and value growth.

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