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# Exail partners with ADSB and TII on nextgeneration MCM capabilities in the UAE

La Garde (France), March 12, 2025 - Exail is proud to announce its collaboration with EDGE Group entity Abu Dhabi Ship Building (ADSB), and the Technology Innovation Institute (TII) to develop next-generation autonomous Mine Countermeasure (MCM) solutions in the UAE. This strategic partnership reinforces Exail's commitment to delivering modular, interoperable and autonomous systems that enhance naval forces' MCM capabilities in the UAE.

As part of this collaboration, ADSB has launched the 170M Detector, a 17-metre vessel designed for high-performance MCM operations. Equipped with advanced autonomous control systems and Exail's MCM Mine identification and disposal systems, the vessel will play a key role in detecting, classifying, identifying and neutralizing underwater mines with precision and efficiency. This collaboration brings together the expertise of ADSB, TII, and Exail to deliver innovative and interoperable naval defense solutions.

In the next phase of this collaboration, the three partners will jointly develop in the UAE a new generation Inspector 125 USV, Exail's reconfigurable mine hunting USV. This new platform will feature TII's marine autonomy system and Exail's T-18 towed sonar system. The T-18 towed sonar shares key technological commonalities, including launch and recovery system, with Exail's A-18 AUV and enables real-time mine detection and classification, significantly enhancing MCM operation efficiency.

This collaboration marks another major step in Exail's long-standing presence in the UAE region. "We are proud to strengthen our collaboration in the region, with ADSB and TII, supporting the UAE's ambition to lead in autonomous naval technologies. This partnership is a strong testament to our recognized expertise and leadership in next-generation MCM systems", said Antony Penn, MCM Commercial Director at Exail.

"At TII, we are committed to advancing autonomous maritime solutions that redefine the future of naval defense. This collaboration with ADSB and Exail marks a significant milestone in enhancing Mine Countermeasure (MCM) capabilities through cutting-edge autonomous technologies. By integrating TII's marine autonomy system and secured communication solutions into the next-generation Inspector 125 USV, we are strengthening the UAE's position as a leader in autonomous naval innovation and security. Together, we are shaping a future where smart, interoperable systems ensure

safer and more efficient naval operations," said Dr. Jeremy Nicola, Senior Director, Autonomous Robotics Research Center at the Technology Innovation Institute.

#### **About Exail**

Exail is a leading high-tech industrial company specializing in cutting-edge robotics, maritime, navigation, aerospace and photonics technologies. With a strong entrepreneurial culture, Exail delivers unrivaled performance, reliability and safety to its civil and defense clients operating in severe environments. From the deep sea to outer space, Exail expands their capabilities with a full range of robust in-house manufactured components, products and systems.

Employing a workforce of 2000 people worldwide, the company benefits from a global footprint and conducts its business in over 80 countries.

Exail was formed by ECA Group and iXblue joining forces in 2022. It is a subsidiary of Exail Technologie, a family-owned company specialized in high-technology. <a href="https://www.exail.com">www.exail.com</a>

# **About Technology Innovation Institute**

The Technology Innovation Institute (TII) is the applied research arm of Abu Dhabi's Advanced Technology Research Council (ATRC). It focuses on fostering innovation through 10 dedicated research centers, including quantum computing, artificial intelligence, and advanced materials. TII collaborates with global universities, research institutions, and industry leaders to strengthen Abu Dhabi's position as a hub for cutting-edge research and development.

## **About Abu Dhabi Ship Building**

Abu Dhabi Ship Building (ADSB) is the regional leader in the new build, repair, maintenance, refit and conversion of naval and commercial vessels, and runs one of the most advanced shipyards in the region with a successful track record spanning almost a quarter of a century. Part of the Platforms & Systems cluster of EDGE, ADSB plays a key role in increasing the UAE's naval defence capabilities and in keeping the UAE's maritime fleet in prime operational condition. The company is also involved in the civilian energy sector, providing fabrication, maintenance and refurbishment services for static offshore energy infrastructure. As an ambitious market leader, ADSB is striving to make a global impact and shape the future of the industry by delivering innovative and dependable solutions that bring added value to clients and other stakeholders, both military and civilian.

For more information, please visit www.adsb.ae