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About CMRE The Centre

Centre for Maritime Research and Experimentation (CMRE)

Directed by Hank Ort, Rear Admiral (Rtd.), NLD N, the Centre for Maritime Research and Experimentation (CMRE) is an established, world-class scientific research and experimentation facility that organizes and conducts scientific research and technology development, centred on the maritime domain, delivering innovative and field tested Science & Technology (S&T) solutions to address defence and security needs of the Alliance.

Delivering sea-proven maritime innovation and interoperability solutions.

The CMRE is an executive body of NATO's Science and Technology Organization (STO) along with the NATO Collaboration Support Office.



Located in La Spezia (Italy), the CMRE is built on more than 50 years of experience in its former establishments as the NURC and SAACLANTGEN, and has produced a cadre of leaders in ocean science, modelling and simulation, acoustics and other disciplines, as well as producing critical results and understanding that have been built into the operational concepts of NATO and the Nations.



CMRE operates two research vessels that enable science and technology solutions to be explored and developed at sea. The largest of these vessels, the NATO Research Vessel Alliance, is an ice-capable global class vessel that is one of the world's quietest vessels, allowing for precision acoustic studies to be conducted at sea.

Why CMRE?

CMRE is NATO's knowledge repository for maritime S&T, offering a trusted platform for NATO Nations and partners to work together and to share science and technology. CMRE provides a science and technology framework through which NATO realizes the benefits of ownership by enforcing the values of the Alliance while reducing risks, costs, and aligning national interests and ambitions. The intellectual capital thus generated has great value in creating operational advantage and equipping the future force.

Addressing the defence and the security needs of the Alliance.

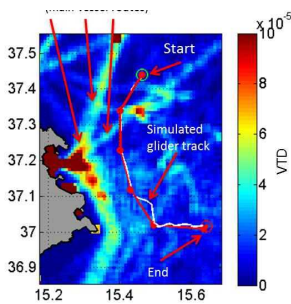


CMRE conducts relevant, state-of-the-art scientific research in ocean science, modelling and simulation, acoustics and other disciplines, that is potentially game changing.

CMRE contributes new technologies enabling access to unmanned systems that have the ability to sense, comprehend, predict, communicate, plan, make decisions and take appropriate actions to achieve mission goals. This provides operators with new technologies across the spectrum of expeditionary kinetic and non-kinetic capabilities required to defeat traditional threats decisively and confront irregular challenges effectively. CMRE also provides Science & Technology enhancements to unmanned vehicles and vessels, integrated defence systems, and autonomous intelligent systems that better enable operators to complete missions in hostile environments by avoiding, defeating and surviving attacks.



Achieving NATO Smart Defence and Connected Forces Initiatives directions and goals at sea



CMRE produces top-notch scientific advice and contributes to proven technological solutions for capability gaps.

CMRE also offers the opportunity for collaboration in maritime and joint programmes to support acquisition, enhance interoperability and generally, prepare better for the future.

The Centre is a working example of enabling Nations to work more effectively and efficiently together by prioritising national needs, focusing on research and technology challenges, both in and out of the maritime environment, through the collective power of its world-class scientists, engineers, and specialized laboratories in collaboration with the many partners in and out of the scientific domain.

This also makes CMRE an ideal base for S&T cooperation with the EU and offers opportunities to collaborate with national S&T institutes, the wider academic world and industry.

Last but not least, CMRE is an exciting place in which to work, situated at an ideal location on the sea and near a main port, enabling synergy with regional and global academic institutes and potentially industry.



Meeting joint requirements and customers' demands in the maritime domain.

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