



MARITIME SECURITY

MISSION IN BRIEF

To increase NATO's ability to protect its forces and assets against unconventional threats in ports and harbours as well as on the high seas.

OVERVIEW

Maritime security is a new, multidisciplinary area of research that addresses new threats to NATO maritime forces in ports, to international shipping, and to energy security. With 90 percent of the world's trade moving across our oceans and in our busy ports and harbours, maritime security is essential. At CMRE, the Maritime Security Programme encompasses two main project areas: Non-Lethal Response in Port Protection and Maritime Situational Awareness. The programme also includes two multinational research projects sponsored by the European Commission Framework Programme 7: NEREIDS and ICARUS.

Non-Lethal Response in Port Protection. The goal of this project is to reduce the risk to military forces and assets by advancing concepts and technologies in non-lethal response to small boats or underwater intruders in ports and harbours.

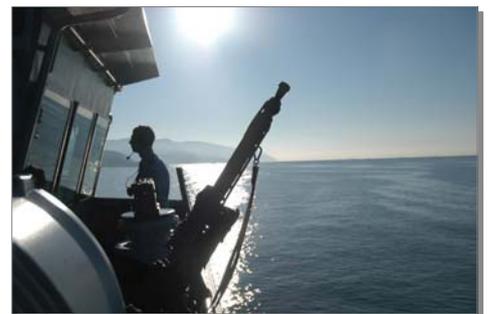
Maritime Situational Awareness. This project seeks to increase NATO's ability to detect threats at sea by extracting useful information from a variety of data sources with a focus on automation and reducing operator workload.

New Service Capabilities for Integrated and Advanced Maritime Surveillance (NEREIDS). CMRE is collaborating with other agencies to evaluate the use of space-based technologies in maritime surveillance. CMRE's primary contributions include work on data fusion, route propagation, and anomaly detection.

Integrated Components for Assisted Rescue and Unmanned Search (ICARUS). This project aims to equip first responders in times of major crisis with an integrated set of unmanned search and rescue tools. CMRE's role involves the development of an unmanned surface vehicle for use by first responders at sea.

CONTACT

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Top: A liquefied natural gas (LNG) carrier coming into a crowded harbour. Middle: A small boat entering a port can pose a real threat. Bottom: Standing watch during a military exercise.