



Annex A

About the Technology Centre for Offshore and Marine, Singapore (TCOMS) and the Centre of Excellence for Autonomous & Remotely Operated Vessels (CEAOPS)

A joint initiative between the Agency for Science, Technology and Research (A*STAR) and the National University of Singapore, the Technology Centre for Offshore and Marine, Singapore (TCOMS) integrates public research and industry expertise to co-develop innovative concepts and infrastructure for Marine & Offshore and Maritime operations. With smart sensing and state-of-the-art physical and numerical modelling and simulation capabilities, including a next-generation ocean basin, TCOMS seeks to better understand the behaviour of systems in challenging operating conditions to facilitate the development of next-generation systems and solutions.

Through the CEAOPS initiative supported by MPA, NRF and SMI, TCOMS will advance research that enables MASS development such as the sensing and prediction of waves to enable safe and efficient navigation in open seas, more accurate prediction of vessel voyage performance and dynamic assessment of vessel structural health. TCOMS is currently participating in two MPA-supported autonomous vessel test-bedding projects with industry partners.

Please refer to the graphic below to find out more about the key thrusts of CEAOPS.

