



ROBO-BOAT FOR OCEAN DATA COLLECTION



Remotely operable oceanic surface vehicles are widely used for survey and monitoring of conditions at sea and measurement of oceanographic parameters. The main objective of this platform is used for remote rapid data collection at sea. This platform is capable of working in rough sea environments and climatic conditions with provision to mount oceanographic sensors. Low power and high endurance components are used for control and data acquisition. Sea Surface Robo-Boat is a mobile platform which gives us added advantage of improved range and data acquisition capabilities which helps us to validate the data collected from moored buoy systems after deployment. The control of the vehicle is done with the help of 4 channel 2.4GHz transmitter and receiver module. The Robo Boat can be equipped with a suite of sensors for measurement of ocean surface and upper ocean parameters.



This technology is developed by **National Institute of Ocean Technology**, Ministry of Earth Sciences, Govt. of India and seeks to stimulate the use of technology by commercialization under Make in India Initiative and **National Research Development Corporation** will facilitate for smooth transfer and licensing of the technology with affordable Licencing terms and conditions.

Any company or organization interested in the technical know-how and to get more details about the technology please refer the contact details below.

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