

Design and development of a multi-functional robotic sea navigation, monitoring and intervention system



University of Mauritius

Aim:

Design of a base robotic navigator that would allow multi-functional monitoring, seawater quality assessment and intervention capabilities.

Innovativeness of Project:

Development of a base robotic sea navigator prototype to meet several functions, namely oil separation and removal, seawater quality measurement and mapping, coordinated action to meet certain goals and oil spread restraint by controlled placement of floating barriers. The PV powered robotic system will allow autonomous GPS-based localisation and remote-controlled navigation by a user on-shore preventing human contact with polluted waters in periods of oil spillage.

Total Project Value

MUR 2,097,938

Amount Funded

MUR 1,147,938

Duration: 14 months