

A Hull Inspection Robot

Status: Filled

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Sponsor(s):

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Project Description

Ship hulls require regular inspection to determine if explosives, contraband, or small foreign objects are attached. It is also useful to pinpoint any damage and potential leakage spot on ship hulls. With the approach of 'remotely controlled underwater vehicle' (ROV), precise control and inspections can be performed with real-time visual feedback and high quality scans. Vessel inspections with ROV can be completed in a much shorter time with lower risk than diver searches.

Project Details

The main objective of this project is to design a small size underwater robot that can be manually controlled to navigate in water. The underwater robot is equipped with a camera, to give its vision to end user, BT1 01 264-407 with a tiA3(e v)8(i)5(sua)3(l)d(.)ps a-4(use)14(rp4(.).ot14()graph4(V0(h