FIND OUT MORE ABOUT Hydrographic Surveying

Hydrographic surveying is a specialised role which requires knowledge of the marine environment, global positioning systems and underwater acoustics.

Hydrographic surveyors use state-of-the-art technology to produce detailed bathymetric charts of the seafloor surface and geophysical profiles of the seafloor structure. Marine works is usually split into inshore. nearshore and offshore.



searching for oil and gas pockets below the seabed surface using a towed array to profile the seabed

sounding line

Traditional surveys are conducted by vessels with seismic arrays or echo sounders to bounce soundwaves off the seafloor. Modern alternatives include using Autonomous Underwater Vehicles (AUV), Remotely Operated Vehicles (ROVs) and towed sensers for high precision.

> It is vital to know about the shape and nature of the seafloor which is essential for a variety of roles, such as offshore windfarms, environmental monitoring, coastal work, seabed telephone cables, aquaculture, oceanographic research, offshore energy and many more!



AUV



For more information visit: ncl.ac.uk/engineering

