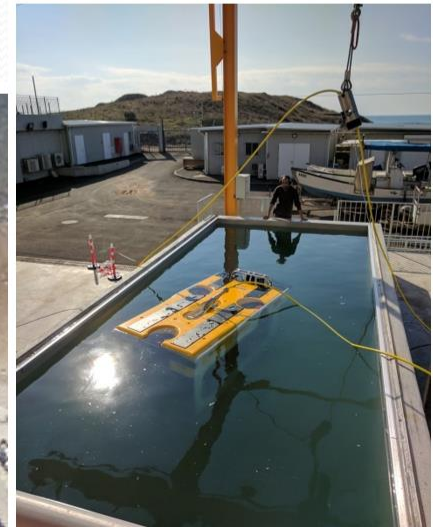
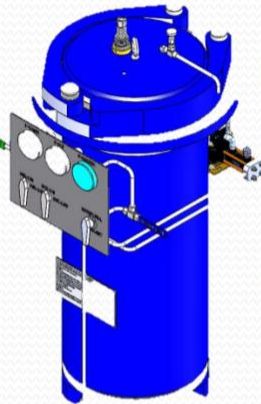




A strategic deep sea research facility at University of Haifa

- Unmanned underwater vehicles - AUVs, ROVs(rated for up to 3 km deep operation), HR seismic, gliders
- A maintenance facility, mechanical and electrical workshops, an experimental pool, hydrostatic test chamber – 300 bar
- Research laboratories in underwater acoustics, optical imaging, propulsion, geophysics...
- Research, teaching and technical faculty and staff focused on developing novel marine technologies.



Research topics

Subsea propulsion



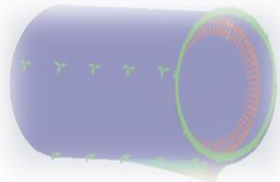
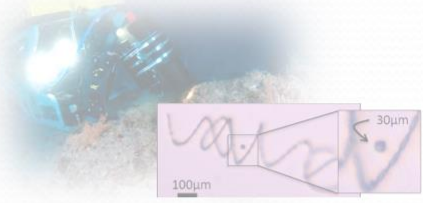
Autonomous
Inspection & mapping



Autonomous
sea-planning

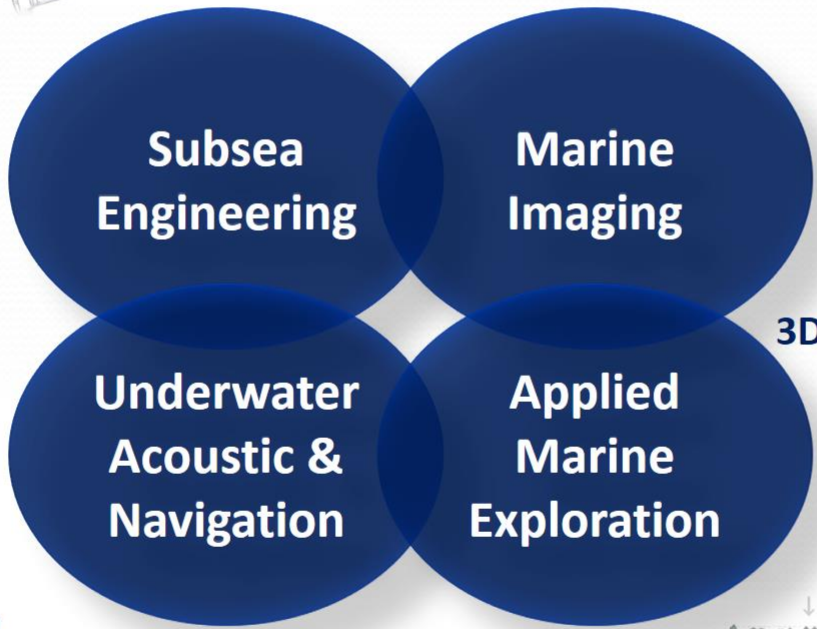
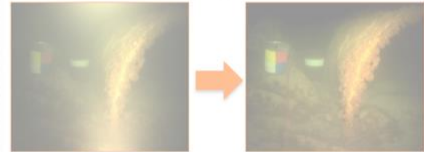


Underwater
microscopy

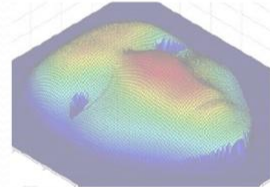


Seawater
lubrication

Visibility enhancement



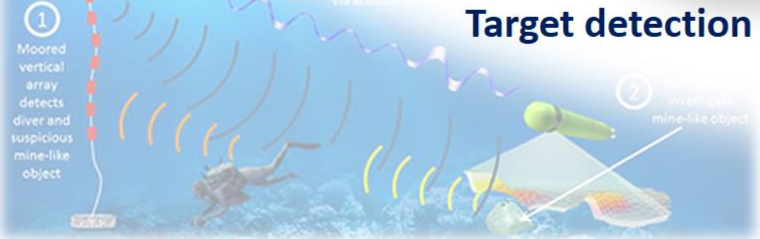
3D reconstruction



Channel modeling

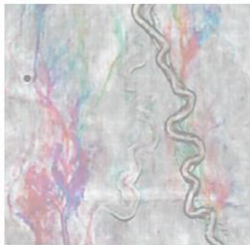


Underwater
signal detection

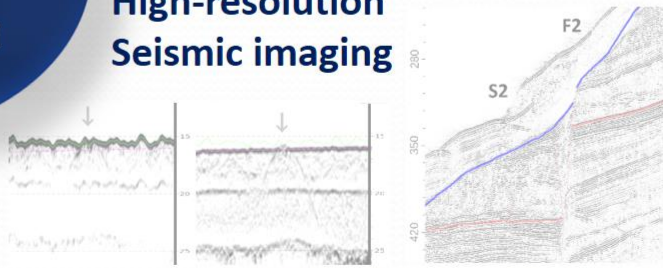


Target detection

Target & features
Characterization



High-resolution
Seismic imaging



Synthetic
Aperture
Sonar



Localization, navigation & communication

