

# Boldwood Towing Tank

University of Southampton



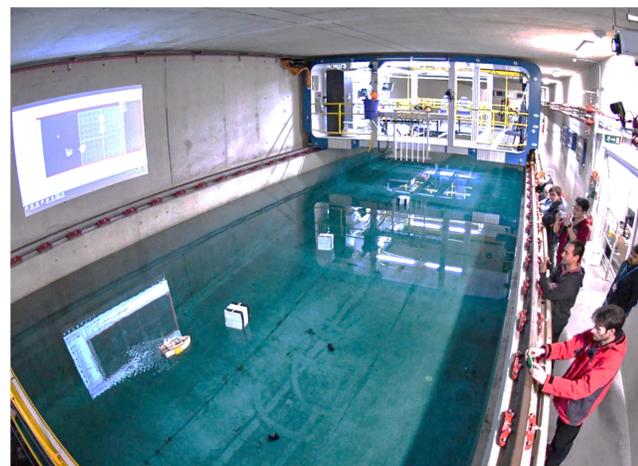
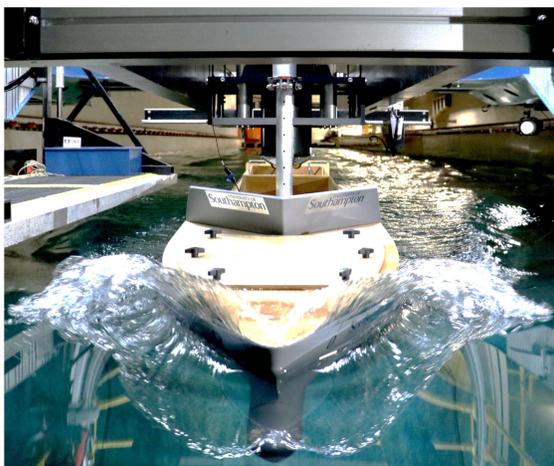
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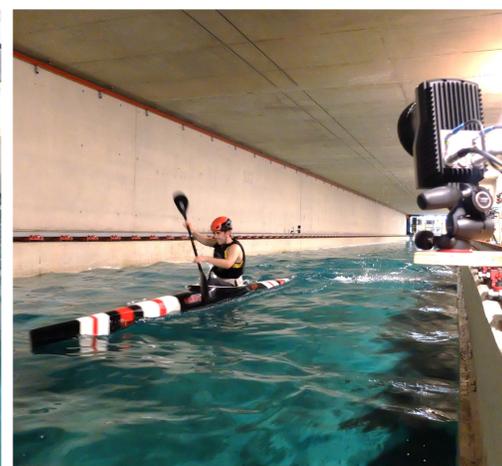
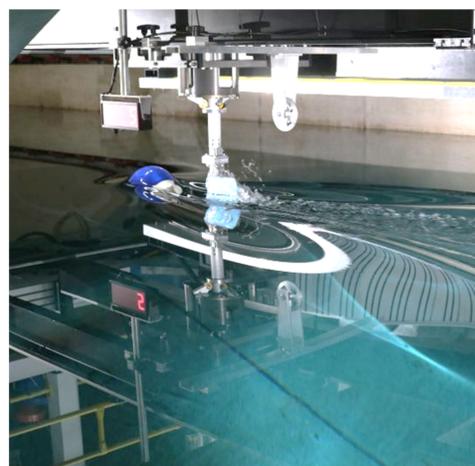
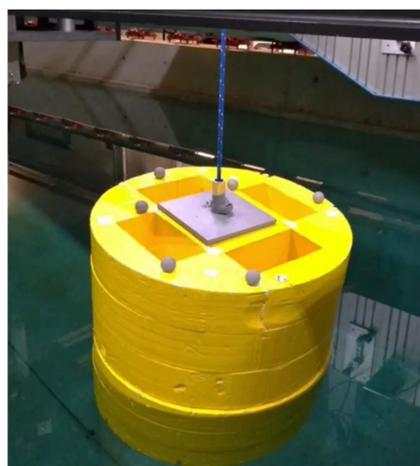
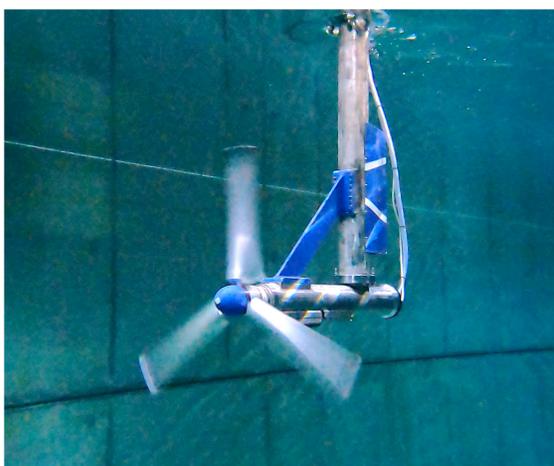


### Maritime

- Resistance, propulsion and seakeeping experiments.
- Towed sailing yacht testing.

### Autonomous Vehicles

- Speed and drag of wave propelled autonomous vessels on regular waves.
- Motion capture of maritime robotic autonomous vehicles field testing.

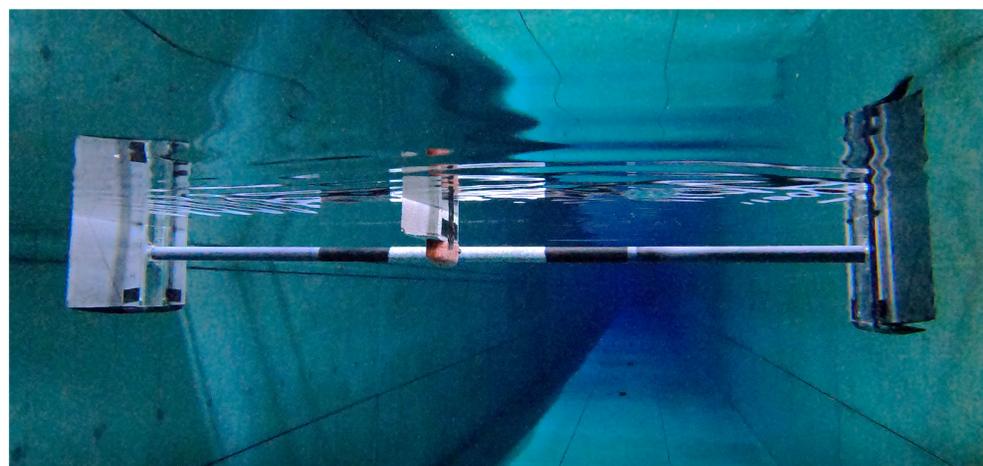


### Marine Renewables

- Measure torque, thrust and blade bending moments on tidal turbines.
- Capture motion on 6 degrees of freedom on wave devices.

### Performance Sport

- Drag measurement on swimmers using a towed model.
- Motion capture of paddle strokes in our 138 m tank.



### Education

- Supervised laboratories for Undergraduate and Master's degrees.
- Guided testing for individual research, group design and MSc projects.

### Advanced Measurements

- Capture fluids and structural interactions.
- Measurement of underwater acoustics of various structures.

Available for EPSRC/UKRI research, bare bones hire and with engineer support provided via Wolfson Unit.

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