

## Challenging wind and waves

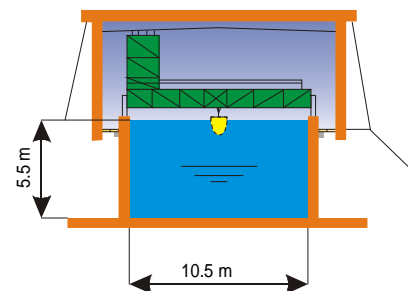
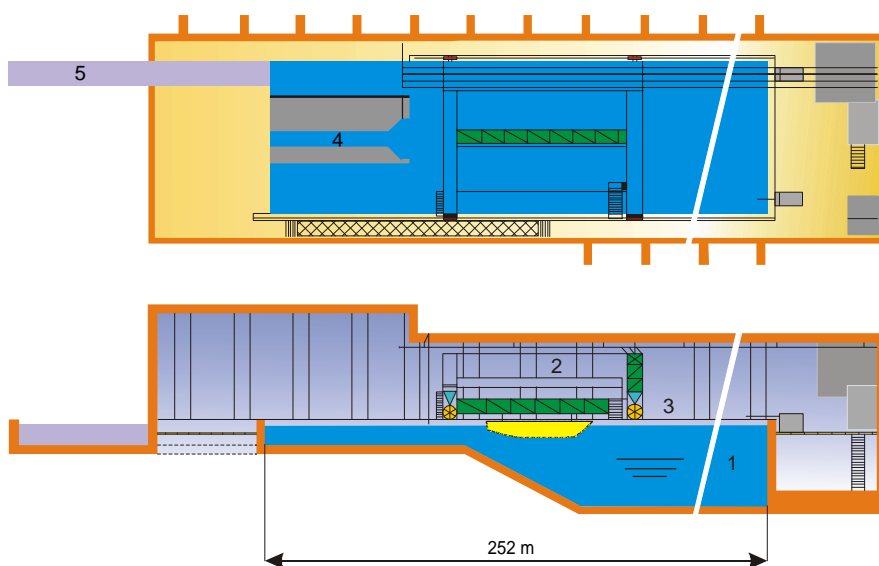
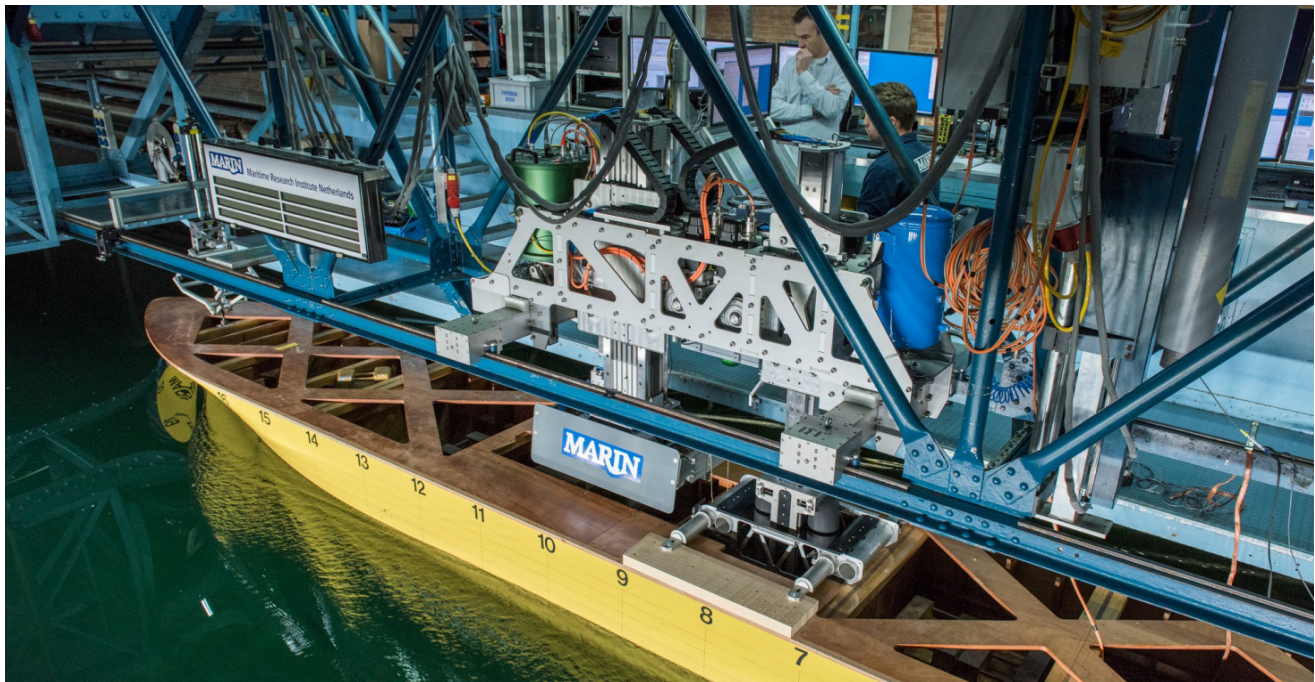
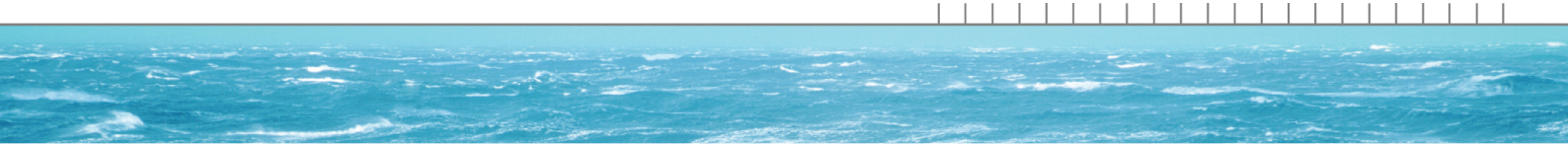
Linking hydrodynamic research to the maritime industry

# Deep Water Towing Tank

Dimensions	250 m × 10.5 m, 5.5 m deep (length x width x depth)
Model length range	1.5 - 14 m
Carriage speed range	0 - 9 m/s for models ≤ 4000 kg 0 - 4 m/s for models ≤ 12000 kg
Test capabilities	<ul style="list-style-type: none"> <li>• Resistance and (quasi-steady) self-propulsion tests in calm water</li> <li>• Open water tests of various types of propulsor (open or ducted propeller, thruster, pod, etc.)</li> <li>• 3-D wake surveys</li> <li>• Measurement of hydrodynamic forces and moments on submerged bodies, foils etc.</li> <li>• Steady or unsteady propeller blade force measurements</li> <li>• Flow observation tests by 3D Particle Image Velocimetry (3D-PIV), paint or tufts</li> <li>• Vertical/horizontal planar motion measurements</li> <li>• Longitudinal wave cut experiments</li> </ul>







1. Basin
2. Towing carriage
3. Drive wheels
4. Harbour
5. Passage to workshop

For more information please contact the department Ships;

T +31 317 49 34 72

E [Ships@marin.nl](mailto:Ships@marin.nl)