Name of organization SINTEF Ocean (formerly MARINTEK)		Year of information updating 2017
Year established 1939		Year of joining the ITTC
Address Otto Nielsens Veg 10, P.O.Box 4762 Sluppen, 7465, Norway		Status in the ITTC Member Advisory Council
Contact details (phone, fax, e-mail) Phone: +47 464 15 000 Fax: +47 7359 5776 E-mail: ocean@sintef.no		Website www.sintef.no/ocean
Type of facility Towing tank	Year constructed/upgraded 1939	
Name of facility	Location (if different from the above address)	

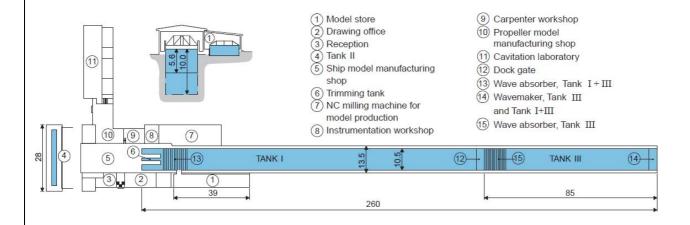
Main characteristics (dimensions of tank/basin/test section; for simulators: full mission, part task or desk top) Length: 175 m, Width: 10.5 m, Depth: 5.6 m

Drawings of facility

Towing tank no. I

Top-view plan

Corss-section-view plan



Detailed characteristics (carriages, wave/current/wind generators, instrumentations, etc.) Towing Carriage maximum speed: 10 m/s

Applications (Tests performed)

Main tests performed in towing tanks I

- Resistance, open water, propulsion tests, 3D wake measurements
- Manoeuvring (zig-zag tests, Planar Motion Mechanism PMM tests)
- Directional stability tests
- Crabbing tests
- Ship-Ship interaction tests
- Forced motion tests
- Measurement of forces and moments in six degrees of freedom
- Measurement of displacement in six degrees of freedom
- Propeller blade loading measurements
- Six-component propeller shaft measurements
- Propeller nozzle loading measurements.
- Tests using yacht dynamometer
- Various Pod / Azimuth thruster tests
 - High speed video recordings (above and under water)

Published description (Publications on this facility)