

Name of organization Norwegian University of Science and Technology - NTNU		Year of information updating 2024
Year established 1910		Year of joining the ITTC 2024
Address Paul Fjermstadsv. 59, Trondheim, Norway		Status in the ITTC
Contact details (phone, fax, e-mail) Sverre Steen, +47 93406429, sverre.steen@ntnu.no		Website https://www.ntnu.edu/imt/lab/cwt
Type of facility Flume tank	Year constructed/upgraded 2008	
Name of facility Circulating water tunnel - CWT	Location (if different from the above address)	
Main characteristics (dimensions of tank/basin/test section; for simulators: full mission, part task or desk top) Test section 2.5x0.61x0.61 m.		
Drawings of facility Top-view plan Corss-section-view plan		
Detailed characteristics (carriages, wave/current/wind generators, instrumentations, etc.) Test section 2.5x0.61x0.61 m. Flow speed 0.03-1.0 m/s at very low turbulence level. Test section made of transparent material, particularly designed for laser-based velocity measurements and flow visualization using laser or dye injection. Operable with free surface or lid. No control of ambient pressure.		

Applications (Tests performed)

Flow visualization. CFD validation. Laminar flow studies.

Lab demonstrations for students, as well as research projects for students and staff.

Published description (Publications on this facility)