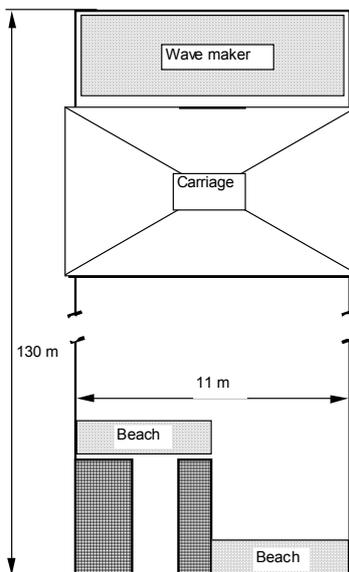


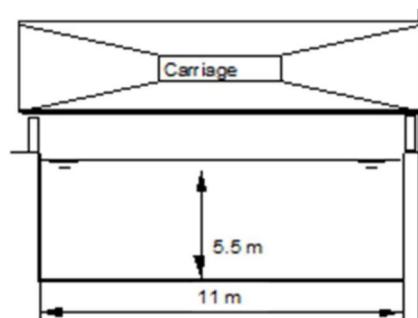
Name of organization VTT Technical Research Centre of Finland Ltd		Year of information updating 2016
Year established 1942		Year of joining the ITTC
Address Vuorimiehentie 3 (Espoo), P.O. Box 1000, FI-02044 VTT		Status in the ITTC AC member
Contact details (phone, fax, e-mail) Tel. +358 20 722 111 Fax +358 20 722 7001 info@vtt.fi		Website http://www.vttresearch.com/
Type of facility Towing tank	Year constructed/upgraded 1970	
Name of facility	Location (if different from the above address) Tietotie 1A, Espoo	
Main characteristics (dimensions of tank/basin/test section; for simulators: full mission, part task or desk top) Length: 130 m Width: 11 m Depth: 5.5 m		

Drawings of facility

Top-view plan



Cross-section-view plan



Detailed characteristics (carriages, wave/current/wind generators, instrumentations, etc.)

Manned towing carriage

- Maximum forward speed 6.0 m/s

Wedge type wave maker for regular and irregular waves

- Maximum wave height about 0.32 m
- Maximum significant wave height about 0.21 m

PMM mechanism for captive manoeuvring model tests

Applications (Tests performed)

- Propeller open water test
- Resistance and propulsion in calm water and waves
- 3-W wake measurements, flow visualisation
- Wave induced motions and forces on ships and floating structures
- Hydrodynamic forces on submerged bodies
- PMM tests for floating and submerged bodies

Published description (Publications on this facility)