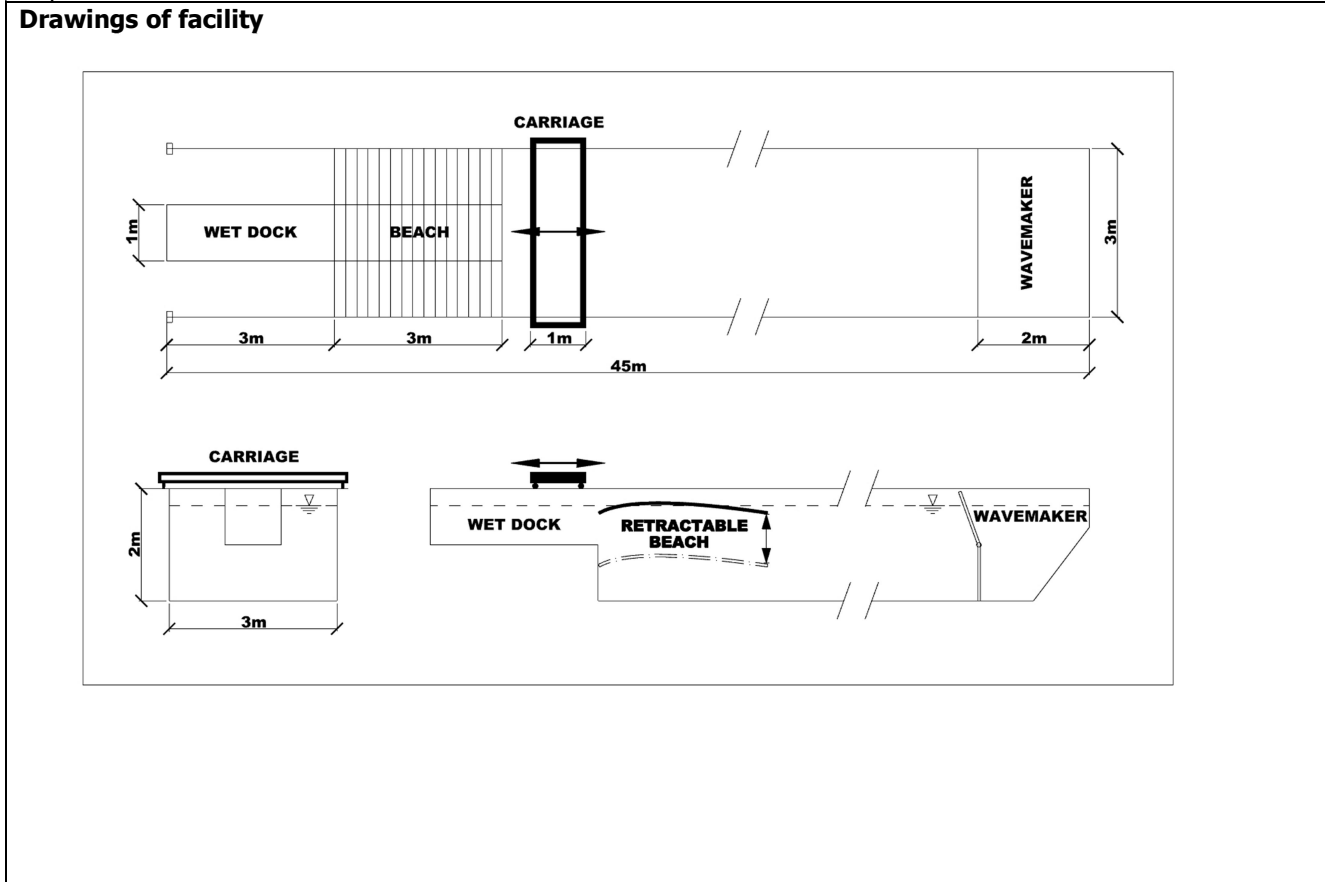


Name of organization Institute of Naval Architecture and Ocean Engineering Universidad Austral de Chile	Year of information updating 2017
Year established 1954	Year of joining the ITTC 2017
Address Campus Miraflores, General Lagos 2086, Valdivia, Chile	Status in the ITTC New member
Contact details (phone, fax, e-mail) Phone :+56 63 2221864 E-mail: navales@uach.cl	Website http://ingenieria.uach.cl/index.php/servicios/servicios-externos/laboratorio-de-hidrodinamica-naval-canal-de-pruebas

Type of facility Towing Tank/Wave Tank	Year constructed/upgraded 1973/2016
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Name of facility Canal de Ensayos Hidrodinámicos UACH	Location (if different from the above address) Campus Miraflores, Edificio 100, General Lagos 2086, Valdivia, Chile
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Main characteristics (dimensions of tank/basin/test section; for simulators: full mission, part task or desk top)
Length: 45 meters
Width: 3 meters
Depth: 2 meters



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

Carriage: Unmanned aluminum structure mounted on linear bearings, driven by a 0.75 kW power servomotor.

Maximum carriage speed: 5 m/s

Wave maker capabilities: regular waves with a maximum 0.2 meters wave height.

Wave maker type: single flap mechanically driven, controlled by a 5 kW power servomotor

Beach type: floating corrugated wooden surface with horizontal strips, covering the width of the tank

Model size range: 0.5 to 2.5 meters

Applications (Tests performed)

Resistance Tests on calm water

Resistance Tests on regular waves

Seakeeping

Breakwaters

Wave energy devices

Response of floating structures

Published description (Publications on this facility)

<http://ingenieria.uach.cl/index.php/servicios/servicios-externos/laboratorio-de-hidrodinamica-naval-canal-de-pruebas>