

Name of organization Ecole Centrale de Nantes	Year of information updating 2022
Year established 1917	Year of joining the ITTC
Address 1 rue de la Noë 44321 Nantes cedex 3 -France	Status in the ITTC Member
Contact details (phone, fax, e-mail) Facility manager : Jérémy OHANA (hydro-facilities@ec-nantes.fr)	Website https://lheea.ec-nantes.fr/test-facilities/ocean-tanks/shallow-water-tank

Type of facility Shallow Water Tank	Year constructed/updated Built 1977
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Name of facility BFP - Bassin de Faible Profondeur	Location (if different from the above address)
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Main characteristics (dimensions of tank/basin/test section; for simulators: full mission, part task or desk top)

The basin is used for research, education and commercial experiments.
Main dimensions: 20 x 9.5 x 1 [m]

Drawings of facility



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

Wavemaker:

Hydraulic piston wavemaker
Passive beach

Instrumentation:

Several dynamometers (3 components, 6 components)
Resistive, capacitive and ultrasonic wave probes
Qualisys Motion Capture (both above and below water)
Remotely operated HD cameras (both above and below water)

Other:

Overhead cranes covering the central area of the tank, SWL 2 tonnes

Applications (Tests performed)

Offshore wind
Wave energy
Model conditioning and ballasting

Published description (Publications on this facility)