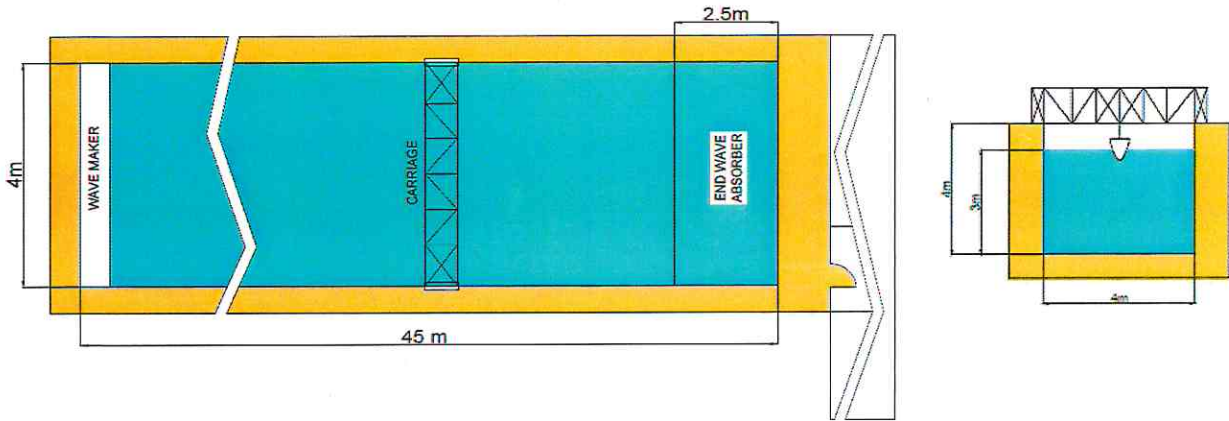



Name of organization "Dunarea de Jos" University of Galati (UDJG), Romania		Year of information updating 2020
Year established 1951		Year of joining the ITTC
Address Domneasca Street, 47, 800008, Galati, Romania		Status in the ITTC
Contact details (phone, fax, e-mail) Phone: +40 336 130 109 Fax: +40 236 461 353 E-mail: Rectorat@ugal.ro		Website www.ugal.ro
Type of facility Towing Tank	Year constructed/upgraded 1966/2008/2020	
Name of facility UDJG Towing Tank	Location (if different from the above address) Stiintei Street, 2, 800146, Galati, Romania	
Main characteristics (dimensions of tank/basin/test section; for simulators: full mission, part task or desk top) Dimensions of tank: length=45 m, width=4 m, depth=4 m, water depth=3 m.		
Drawings of facility		
		
		
Detailed characteristics (carriages, wave/current/wind generators, instrumentations, etc.)		
Description of carriage		
<ul style="list-style-type: none"> ➤ Bridge carriage, running on rails set on either side of the tank; ➤ Light, robust and unmanned carriage, made from extruded aluminium sections; ➤ Electricity supply of 380 V, 32 A, 50 Hz single phase; ➤ Maximum carriage speed of 4 m/s; ➤ Maximum model length of 4 m; ➤ Control and data acquisition/analysis systems. 		
Wave maker type		
<ul style="list-style-type: none"> ➤ Single flap type, hydraulic driven; ➤ Wide of 4 m. 		

Wave generation capability

- Regular waves;
- Wave length between 1.5 ... 12 m;
- Maximum wave height of 0.15 m;
- Wave probe on the principle of current flowing measuring.

Wave absorber type and length

- End wave absorber;
- Length of 2.5 m.

Instrumentation

Dynamometers

- Resistance dynamometer;
- Propulsion dynamometer;
- Open water propeller dynamometer;
- Six-components transducer.

Wake measurements

- Axial wake rake with four Pitot tubes.

Wave probe

- Resistive type wave probe.

Applications (Tests performed)

- Resistance tests;
- Open water propeller tests;
- Propulsion tests;
- Axial wake measurements;
- Seakeeping tests on regular waves.

Published description (Publications on this facility)

- Obreja, C.D., Crudu, L., Operational Reinforcement of the Towing Tank of *Dunarea de Jos* University of Galati, The Annals of *Dunarea de Jos* University of Galati, Fascicle XI - Shipbuilding, ISSN 1221-4620, pp. 157-162, 2009.
- www.naoe.ugal.ro