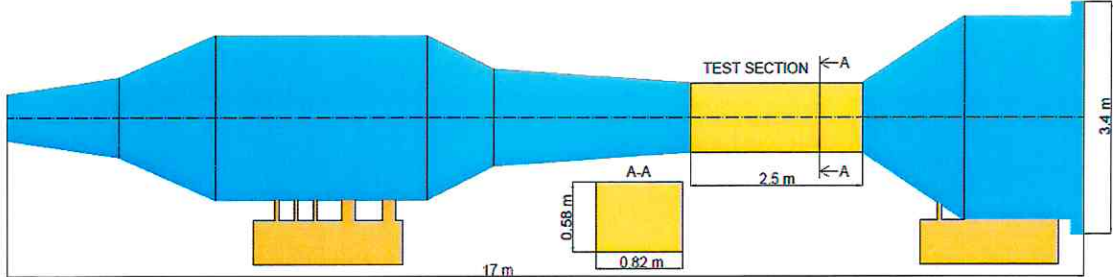



Name of organization "Dunarea de Jos" University of Galati (UDJG), Romania		Year of information updating 2020
Year established 1951		Year of joining the ITTC
Address Domneasca Street, 47, 800008, Galati, Romania		Status in the ITTC
Contact details (phone, fax, e-mail) Phone: +40 336 130 109 Fax: +40 236 461 353 E-mail: Rectorat@ugal.ro		Website www.ugal.ro
Type of facility Wind Tunnel	Year constructed/upgraded 2016/2020	
Name of facility UDJG Wind Tunnel	Location (if different from the above address) Calea Prutului Street, 3, 800219, Galati, Romania	
Main characteristics (dimensions of tank/basin/test section; for simulators: full mission, part task or desk top) Dimensions of tunnel: length=17 m, width=3.7 m, height=3.4 m; Dimensions of measuring section: length=2.5 m, width=0.82 m, height=0.58 m.		
Drawings of facility		
		
		
Detailed characteristics (carriages, wave/current/wind generators, instrumentations, etc.)		
Description of wind tunnel		
<ul style="list-style-type: none"> ➤ Open recirculating type; ➤ Crossing rail automatic system; ➤ Electricity supply of 380 V, 32 A, 50 Hz single phase; ➤ Maximum air velocity of 23.5 m/s; ➤ Maximum model length of 2 m; ➤ Data acquisition and analysis system. 		
Type of drive system and total power		
<ul style="list-style-type: none"> ➤ Axial flow blower with variable speed; ➤ Motor power of 55 kW and 1450 RPM. 		

Instrumentation

Aerodynamics forces and moments measurements

- Six-components transducer.

Pressure measurements

- Pitot tubes set;
- Pressure scanner with 16 channels;
- Multi-tubs manometer with 16 measuring points.

Velocity measurements

- CTA system (Constant Temperature Anemometry).

Smoke dispersal

- Smoke generator.

Applications (Tests performed)

- Aerodynamics forces and moments;
- Wind pressure distribution;
- Wind velocity distribution;
- Smoke dispersal test;
- Flow visualisation of the streamlines.

Published description (Publications on this facility)

- www.naoe.ugal.ro