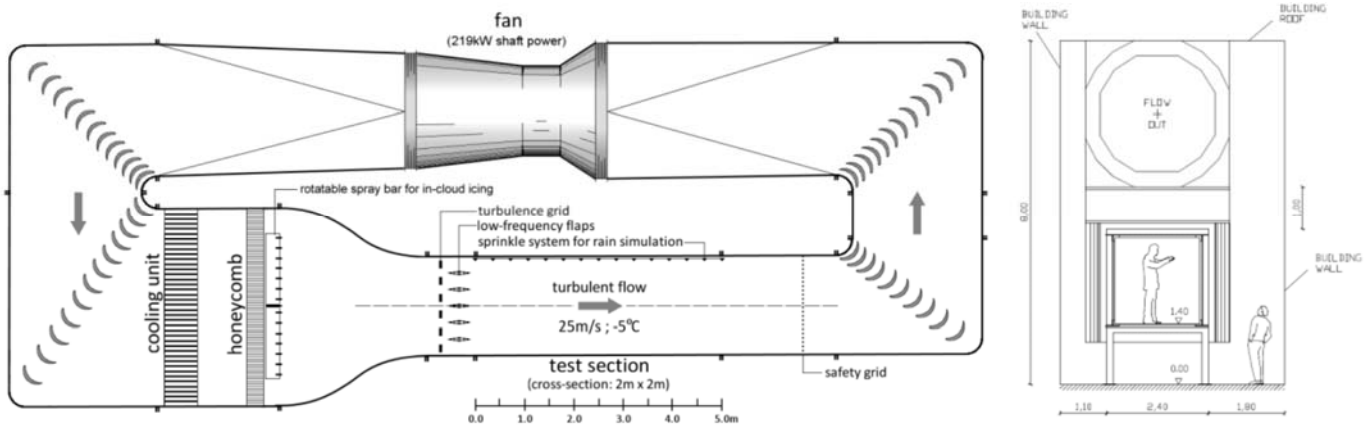
Name of organization **FORCE Technology (Former Danish Maritime Institute)**	**Year of information updating** 2016
Year established 1959	**Year of joining the ITTC**
Address Hjortekærsvej 99 DK-2800 Kgs. Lyngby Denmark	**Status in the ITTC**
Contact details (phone, fax, e-mail) Tel: +45 43 25 07 00 Fax: +45 43 25 07 01	**Website** forcetechnology.com

Type of facility Climatic wind tunnel	**Year constructed / upgraded** 2010
Name of facility WT5	**Location** (if different from the above address)

Main characteristics (dimensions of tank/basin/test section; for simulators: full mission, part task or desk top)
Closed Circuit Climatic Wind tunnel (CWT). Dimension of test section: H = 2.0m, W = 2.0m, L = 5.0m.

Drawings of facility

Cross-section-views



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

Closed Circuit Climatic Wind Tunnel
Max tunnel speed: 32m/s
Cooling system: -5°C at 25m/s and down to -10°C at lower wind speeds
Rain system: approximately 0.4-1.0g/m^3 Liquid Water Content and approximately 10-50 μm Median Volume Diameter
Simulation of rime ice and glaze ice
Static and dynamic rigs of inclined cable tests

Applications (Tests performed)

Wind loads
Flow visualization
Dynamic and static tests of bridge cables and aerofoils
Ice accretion tests
Rain/wind induced vibration tests
Urban development – wind climate
Section model tests

Published description (Publications on this facility)

Christos T. GEORGAKIS, H. Holger H. KOSS, Francesco RICCIARDELLI: "DESIGN SPECIFICATIONS FOR A NOVEL CLIMATIC WIND TUNNEL FOR THE TESTING OF STRUCTURAL CABLES", 8th International Symposium om Cable Dynamics, Paris, France September 20-23, 2009