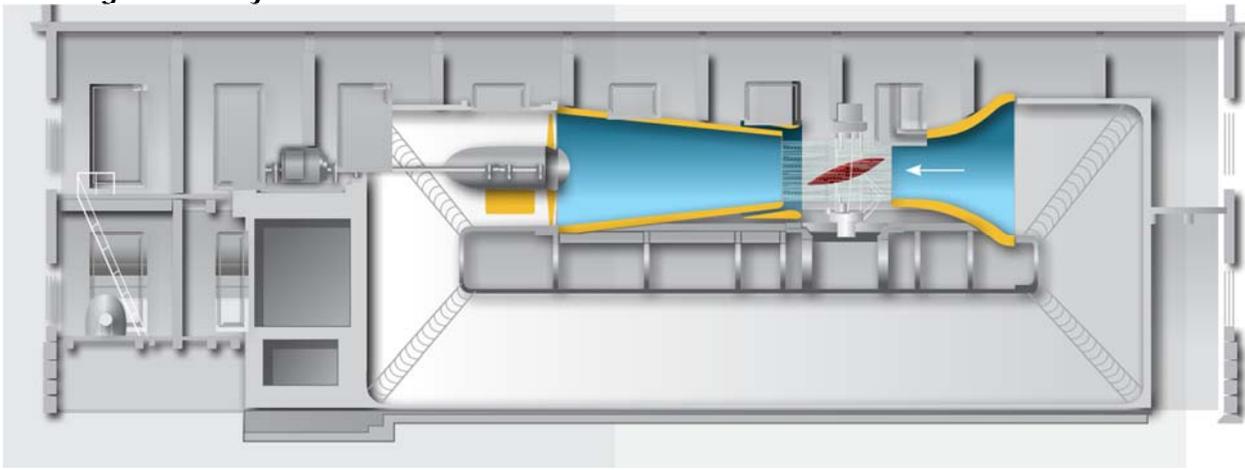


Name of organization <i>Krylov State Research Centre</i>		Year of information updating <i>2016</i>
Year established <i>1894</i>		Year of joining the ITTC <i>1955</i>
Address <i>196158 St. Petersburg, Russia, 44, Moskovskoye shosse.</i>		Status in the ITTC <i>member organization</i>
Contact details (phone, fax, e-mail) Phone: +7 (812) 3866937 Fax: +7 (812) 386-69-43 E-mail: 9_otd@ksrc.ru		Website <i>www.krylov-center.ru</i>
Type of facility <i>Wind tunnel</i>	Year constructed/upgraded <i>1959</i>	
Name of facility <i>Large Wind Tunnel</i>	Location —	
Main characteristics (dimensions of tank/basin/test section; for simulators: full mission, part task or desk top) <i>Length of test section – 5 m, Test section shape: ellipse 2.5 x 4 m, for simulators: full mission or part task</i>		
Drawings of facility		
		
Detailed characteristics (carriages, wave/current/wind generators, instrumentations, etc.)		
<i>Instrumentations:</i> <ul style="list-style-type: none"> <i>Six-components dynamometers;</i> <i>Particle Image Velocimetry equipment;</i> <i>A smoke generators for visualization;</i> <i>Pressure sensors; Hot-wire equipment;</i> <i>Modeling of the boundary line; turntable;</i> <i>Equipment for determining the position aerodynamic characteristics;</i> <i>Equipment for study of dynamic characteristics of models.</i> 		
<i>Closed-circuit wind tunnel with open test section;</i> <i>Flow speed in test section: 0 ÷ 80 m/s;</i> <i>Max Re number: 2 x 10⁷;</i> <i>Flow turbulence: 0.5 %.</i>		
Applications (Tests performed)		
<ol style="list-style-type: none"> <i>1. Determining the position hydro- aerodynamic characteristics of aircraft, airfoil boats, hovercrafts, submarines and wings.</i> <i>2. Aerodynamics above-water parts of ships and offshore platforms.</i> <i>3. Tests of models of architectural and engineering objects.</i> <i>4. Aerodynamics of bridges.</i> <i>5. Measurement of flow parameters.</i> <i>6. Tests of vibration from flow effects, resonance phenomena.</i> <i>7. Visualization of the flow.</i> <i>8. Sports aerodynamics, test equipment.</i> 		
Published description (Publications on this facility)		
http://krylov-center.ru/eng/		