

<b>Name of organization</b> <i>Krylov State Research Centre</i>		<b>Year of information updating</b> <i>2016</i>
<b>Year established</b> <i>1894</i>		<b>Year of joining the ITTC</b> <i>1955</i>
<b>Address</b> <i>196158 St. Petersburg, Russia, 44, Moskovskoye shosse.</i>		<b>Status in the ITTC</b> <i>member organization</i>
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<b>Type of facility</b> <i>Wind tunnel</i>	<b>Year constructed/upgraded</b> <i>2016</i>	
<b>Name of facility</b> <i>Landscape Wind Tunnel</i>	<b>Location</b> —	
<b>Main characteristics</b> (dimensions of tank/basin/test section; for simulators: full mission, part task or desk top) <i>Length of test section – 18 m, Test section shape: rectangular 2.3 x 11 m, for simulators: full mission or part task</i>		
<b>Drawings of facility</b>		
<b>Detailed characteristics</b> (carriages, wave/current/wind generators, instrumentations, etc.)		
<i>Instrumentations:</i> <i>Six-components dynamometers;</i> <i>A smoke generators for visualization;</i> <i>Pressure sensors; Hot-wire equipment;</i> <i>Turntable 10 m - diameter; Three-axis manipulator;</i> <i>Equipment for study of characteristics of aeroelastic models.</i>		
<i>Closed-circuit wind tunnel with closed test section;</i> <i>Flow speed in test section: 0 ÷ 15 m/s;</i> <i>Flow speed adjustment step: 0.1 m/s;</i> <i>Modeling of ground boundary layer.</i>		
<b>Applications</b> (Tests performed)		
<ol style="list-style-type: none"> <li><i>1. Aerodynamics above-water parts of ships and offshore platforms.</i></li> <li><i>2. Tests of models of architectural and engineering objects.</i></li> <li><i>3. Aerodynamics of bridges.</i></li> <li><i>4. Tests of aeroelastic models.</i></li> <li><i>5. Measurement of flow parameters above model of landscape; helicopter platform, etc.</i></li> <li><i>6. Tests of vibration from flow effects, resonance phenomena.</i></li> <li><i>7. Visualization of the flow.</i></li> </ol>		
<b>Published description</b> (Publications on this facility)		
<a href="http://krylov-center.ru/eng/">http://krylov-center.ru/eng/</a>		