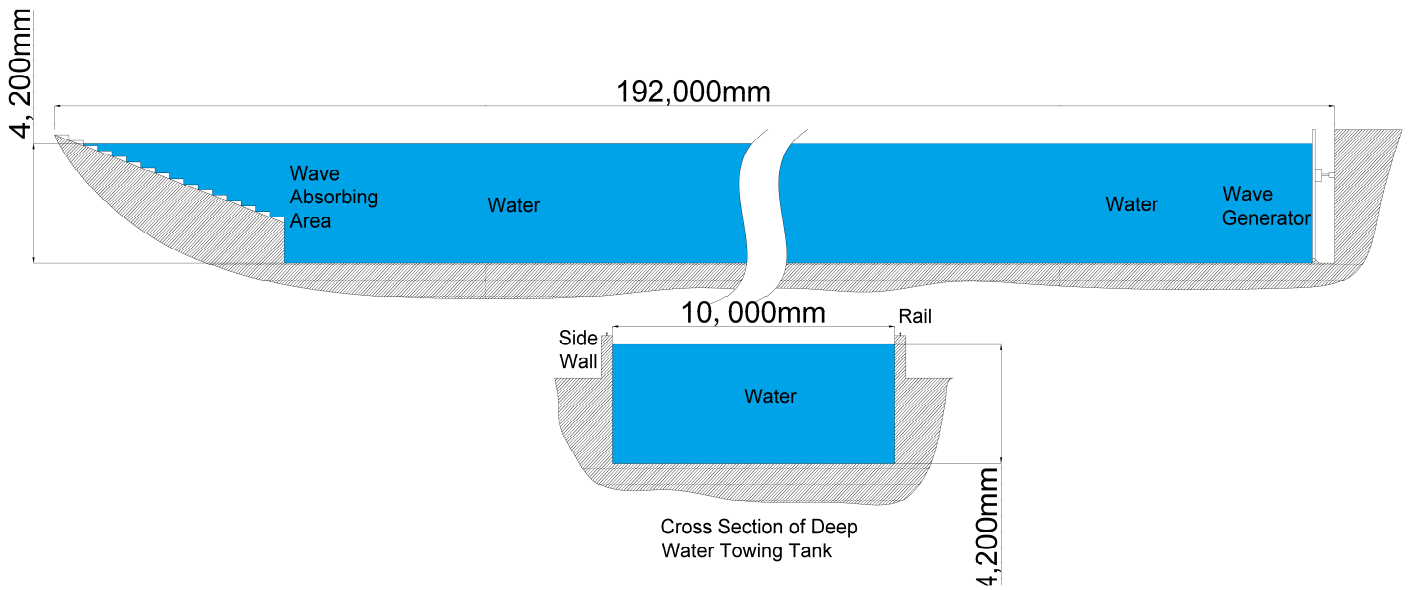


<b>Name of organization</b> Shanghai Ship and Shipping Research Institute		<b>Year of information updating</b> 2017
<b>Year established</b> SSSRI was founded in 1962		<b>Year of joining the ITTC</b> 1983
<b>Address</b> No.600 Minsheng Road, Pudong, Shanghai, China, 200135		<b>Status in the ITTC</b> Member of ITTC, AC member of ITTC
<b>Contact details</b> (phone, fax, e-mail) Phone: +8621-58856638 ext. 2514 Fax: +8621-58212824 e-mail: dongguoxiang@sssri.com		<b>Website</b> <a href="http://www.sssri.com/">http://www.sssri.com/</a>
<b>Type of facility</b> Deep Water Towing Tank	<b>Year constructed/upgraded</b> Early 1980s	
<b>Name of facility</b> Deep Water Towing Tank	<b>Location</b> (if different from the above address)	
<b>Main characteristics</b> (dimensions of tank/basin/test section; for simulators: full mission, part task or desk top) The Deep Water Towing Tank is 192m long, 10.8m wide, the water depth is 4.2m and the carriage's maximum speed is 9m /s.		
<b>Drawings of facility</b>		
<p>Top-view plan</p> <p>The diagram is a top-view plan of the facility. It shows a large rectangular area containing several buildings and open spaces. A north arrow is located in the upper left corner. Three specific areas are highlighted in light blue and labeled with arrows: 'The Maneuvering Basin' (a large vertical rectangle on the left), 'The Cavitation Tunnel' (a small horizontal rectangle at the top center), and 'The Deep Water Towing Tank' (a long vertical rectangle in the center). The facility is bounded by 'No.600 Minsheng Road' on the right and 'No.628 Minsheng Road' on the bottom right.</p>		

## Corss-section-view plan



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

The Deep Water Towing Tank is equipped with wave generators capable of generating regular and irregular waves with maximum wave height 35cm. The carriages has truss structure. It is also equipped with dynamometer and 5-hole pitot tube.

## Applications(Tests performed)

Resistance and propulsion tests, seakeeping tests, wake survey and stream line tests for ship speed and power prediction, energy saving devices design, optimization of lines plan, propeller design and seakeeping performance predictions are carried out in the Deep Water Towing Tank.

## Published description (Publications on this facility)