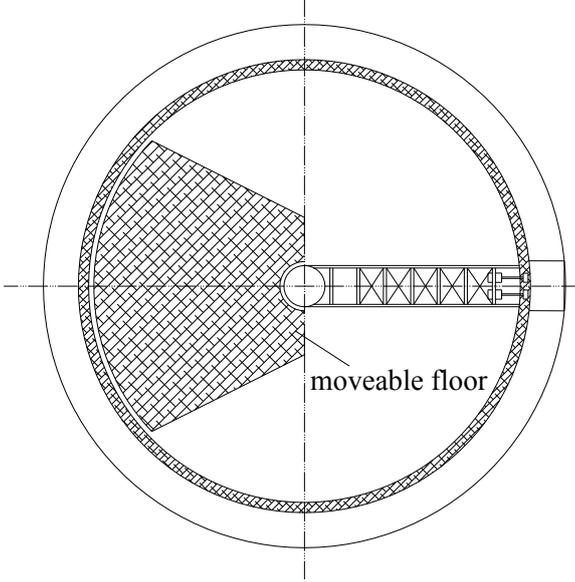
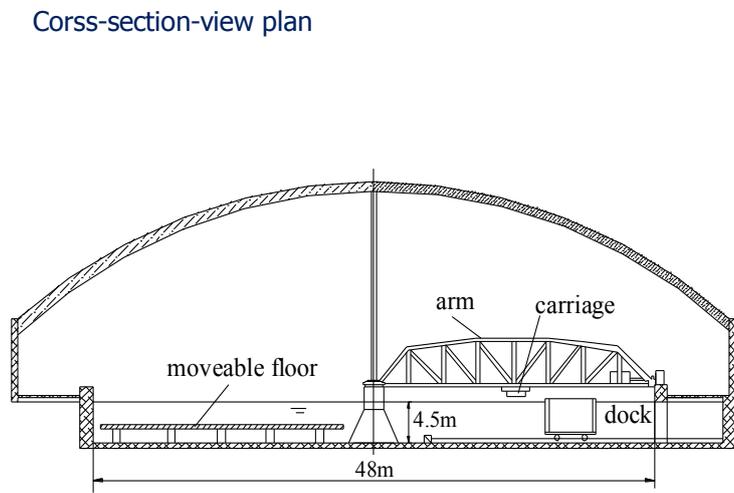


Name of organization China Ship Scientific Research Center (CSSRC)		Year of information updating 2017
Year established 1951		Year of joining the ITTC 1978
Address No.222 East Shanshui Road, Wuxi, Jiangsu 214082, P.R. China		Status in the ITTC AC member
Contact details Tel: +86 510 8555 8639 Fax: +86 510 8555 8103 Email: info@cssrc.com.cn		Website http://www.cssrc.com/
Type of facility #4 Maneuvering Basin	Year constructed/Latest upgraded 1968/2004	
Name of facility #4-1 Rotating Arm Basin	Location (if different from the above address)	
Main characteristics (dimensions of tank/basin/test section; for simulators: full mission, part task or desk top) Φ48m (diameter)×4.5m (depth)		
Drawings of facility		
<p>Top-view plan</p>  <p>Corss-section-view plan</p> 		
Detailed characteristics (carriages, wave/current/wind generators, instrumentations, etc.)		
<p>Rotating Arm: 0.02-1.0 rad/s; driven by DC motors with 2×750kW Carriage: range of radius, 6-20m; yaw angle, ±90 degrees; rolling angle, ±20 degrees Maximum ship model length: 4.5m Series of 4-component load cells: maximum X/Y, 800N; K, 80Nm; N, 800Nm Series of 6-component load cells: maximum X/Y, 800N; Z, 1000N; K, 100Nm; M, 1000Nm; N, 800Nm</p>		
Applications (Tests performed)		
<p>Commercial service for captive model tests of ship maneuvering in calm water, mainly to provide hydrodynamic coefficients of mathematical equations for motion simulation to predict ship maneuverability, where, ship model can be fully constrained or constrained with heaving and trimming freely.</p>		
Published description (Publications on this facility)		
None		