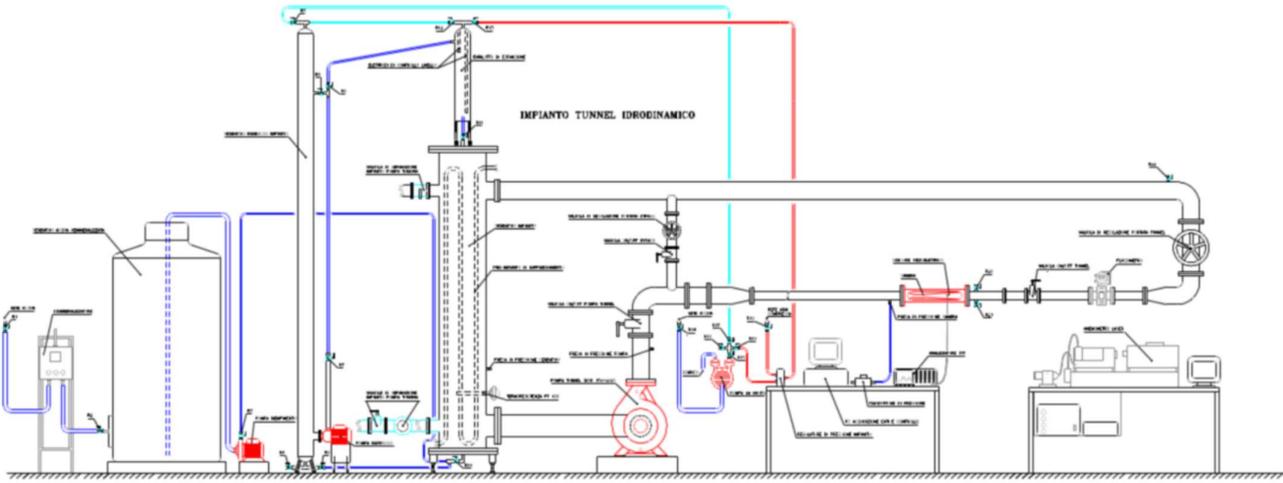


<b>Name of organization</b> CNR-INM National Research Council of Italy Institute of Marine Engineering		<b>Year of information updating</b> 2021
<b>Year established</b> 1927 (INSEAN) 1962 (new site in via di Vallerano) 2018 INSEAN changed to INM		<b>Year of joining the ITTC</b> 1933
<b>Address</b> Via di Vallerano, 139 – 00143 Rome - Italy		<b>Status in the ITTC</b> AC member
<b>Contact details</b> (phone, fax, e-mail) Phone +39 06 50299 222 Fax +39 06 507 0619 Email <a href="mailto:segreteria.inm@cnr.it">segreteria.inm@cnr.it</a> PEC <a href="mailto:protocollo.inm@pec.cnr.it">protocollo.inm@pec.cnr.it</a>		<b>Website</b> <a href="http://www.inm.cnr.it/labs">http://www.inm.cnr.it/labs</a>
<b>Type of facility</b> Cavitation tunnel	<b>Year constructed/upgraded</b>	
<b>Name of facility</b> High speed cavitation erosion tunnel (Hiscet)	<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) <ul style="list-style-type: none"> <li>- test section 80 mm x 80 mm x 600 mm</li> <li>- max speed 40 m/s</li> <li>- temperature controlled 7-30 °C</li> </ul>		
<b>Drawings of facility</b> 		
<b>Detailed characteristics</b> <ul style="list-style-type: none"> <li>- Test section can be fitted with different wall geometries to create a Venturi flow</li> <li>- Test section equipped with four acrylic windows for optical access</li> <li>- Special inserts allow the placement of 40 mm x 60 mm specimens for cavitation erosion testing</li> <li>- Heat exchanger allows water temperature to be varied and controlled from 7 to 30 °C</li> <li>- Sensors mountable on the windows: pressure sensors, accelerometers</li> </ul>		
<b>Applications</b> <ul style="list-style-type: none"> <li>- Erosion tests for mass loss measurements</li> <li>- Erosion tests for pitting tests</li> <li>- Cloud cavitation dynamics</li> <li>- High-Reynolds wall-bounded flows</li> <li>- Cavitation nuclei measurements</li> </ul>		