

# TSI Profile Sheet – Monitoring Systems.



<b>Name of the Organisation</b>	Técnicas y Servicios de Ingeniería, S.L.	
<b>Organisation Short Name</b>	TSI.	
<b>Organisation Type</b>	Private SME.	
<b>Contact Person</b>	Publio Beltrán. Raúl Salinas. Alfonso Moreno.	Position: Manager. Position: RDI Responsible. Position : RDI worker.
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<b>Address</b>	Tower II Pyomar building, 44 Pio XII Av., 28016 Madrid (SPAIN).	
<b>Fields of Activities</b>	<p>Vibration &amp; Noise Engineering Solutions for Marine, Power Generation, Industry and Petrochemical:</p> <ul style="list-style-type: none"> <li>- Noise and Vibrations Measurements and Consultancy.</li> <li>- Predictive or Condition Based Maintenance (CBM).</li> <li>- Protection and Condition Monitoring Systems.</li> <li>- Marine Test and Measurements: Sea Trial Test.</li> <li>- Noise and Vibration Comprehensive Management (Turnkey Vibro-Acoustic Engineering Solutions) from design stage to building and sea trials.</li> <li>- Acoustic Analysis (SEA).</li> <li>- Structural Analysis: Static and Dynamic (FEM).</li> <li>- Experimental Dynamic Tests (Modal Analysis, ODS, etc.).</li> <li>- Modeling and Measurements of Underwater Radiated Noise.</li> <li>- Start-up and Operation Support Services.</li> <li>- Breakdown Consultancy.</li> <li>- Research, Development and Innovation activities.</li> </ul>	
<b>Skills and Expertise Offered</b>	<p>Extensive experience in the areas set out above.</p> <ul style="list-style-type: none"> <li>- Due to our real activity and expertise in the marine sector we are able to contribute in the monitoring, integration and control of all the required parameters in machineries to develop right methods, tools and procedures to facilitate and support mainly safe operation and also recommendations in the design stage of the vessels.</li> <li>- Development of “intelligent” systems for acquisition, integration and diagnosis of these parameters.</li> <li>- If it is required we are able to measure energy consumption on board to guarantee right balance between safety, economic efficiency and environmental impact.</li> <li>- Condition Based Maintenance by means of on-site measurements or on-line data acquisition systems integrated in the general monitoring systems.</li> <li>- Largest Noise &amp; Vibration Footprint Database of the European Fleet, including Underwater Radiated Noise (URN).</li> <li>- URN Dedicated Data Acquisition and Processing Tool (TSI-URN Tool).</li> </ul>	

<b>Previous FP Projects Participated</b>	<p>TSI Research, Development and Innovation Department (RDI) is currently involved in three major projects within the FP7:</p> <ul style="list-style-type: none"> <li>- BESST: Breackthroug in European Ship and Shipbuilding Technology</li> <li>- SILENV: Ship oriented Innovative soLutions to rEduce Noise and Vibrations.</li> <li>- QUO: Achievement of QUieter Oceans shipping noise footprint reduction.</li> </ul>
<b>Role in the Project</b>	<p>Partner. Workpackage Leader.</p>