<table>
<thead>
<tr>
<th><strong>Name of the Organisation</strong></th>
<th>Técnicas y Servicios de Ingeniería, S.L.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Organisation Short Name</strong></td>
<td>TSI.</td>
</tr>
<tr>
<td><strong>Organisation Type</strong></td>
<td>Private SME.</td>
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<tr>
<td><strong>Contact Person</strong></td>
<td>Publicio Beltrán. Raúl Salinas. Alfonso Moreno.</td>
</tr>
<tr>
<td>Position:</td>
<td>Manager. RDI Responsible. RDI worker.</td>
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<tr>
<td><strong>Email</strong></td>
<td><a href="mailto:publiobp@tsisl.es">publiobp@tsisl.es</a> <a href="mailto:raul.salinas@tsisl.es">raul.salinas@tsisl.es</a> <a href="mailto:alfonso.moreno@tsisl.es">alfonso.moreno@tsisl.es</a></td>
</tr>
<tr>
<td>Website:</td>
<td><a href="http://www.tsisl.es">www.tsisl.es</a> (New website available in Sept. 2012)</td>
</tr>
<tr>
<td><strong>Address</strong></td>
<td>Tower II Pyomar building, 44 Pio XII Av., 28016 Madrid (SPAIN).</td>
</tr>
</tbody>
</table>
| **Fields of Activities**    | Vibration & Noise Engineering Solutions for Marine, Power Generation, Industry and Petrochemical:  
- Noise and Vibrations Measurements and Consultancy.  
- Predictive or Condition Based Maintenance (CBM).  
- Protection and Condition Monitoring Systems.  
- Marine Test and Measurements: Sea Trial Test.  
- Noise and Vibration Comprehensive Management (Turnkey Vibro-Acoustic Engineering Solutions) from design stage to building and sea trials.  
- Acoustic Analysis (SEA).  
- Structural Analysis: Static and Dynamic (FEM).  
- Experimental Dynamic Tests (Modal Analysis, ODS, etc.).  
- Start-up and Operation Support Services.  
- Breakdown Consultancy.  
- Research, Development and Innovation activities. |
| **Skills and Expertise Offered** | Extensive experience in the areas set out above.  
- Monitoring Systems for mechanic, thermal, electric and any operational parameters: audit, needs identification and turkey solutions.  
- Development of “intelligent” systems for acquisition, integration and diagnosis of these parameters.  
- Define and Measure equipment consumptions and in general all kind of operational parameters to guarantee right balance between emissions, efficiency and enviromental impact.  
- “Noise &VibrationComprehensive Management” from design stage to building and sea trials. Full package including: N&V Prediction Calculations; Factory Acceptance Tests of Main Machinery and Equipment; URN Prediction Calculation, Onboard Dynamic Tests: Impedance measurements, Modal Analysis, etc.; and finally Sea Trial Tests. Its performance has allowed to get the quietest vessels of the european fleet.  
- URN Dedicated Data Acquisition and Processing Tool (TSI-URN Tool). |
| Previous FP Projects Participated | TSI Research, Development and Innovation Department (RDI) is currently involved in three major projects within the FP7:  
- BESST: Breakthrough in European Ship and Shipbuilding Technology.  
- AQUO: Achievement of Quieter Oceans shipping noise footprint reduction. |
| Role in the Project | Partner.  
Workpackage Leader. |