

FP7 Maritime Transport Brokerage Event 2011 London

Partner Profile Sheet

Name of the Organisation	TSI -Técnicas y Servicios de Ingeniería S.L.-	
Organisation Type	Private SME	
Contact Person	Publio Beltrán	Position: Director
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Address	C/ Pio XII 44 - Tower 2, 28016 Madrid, SPAIN	
Fields of Activity	<p>Vibration & Noise Engineering Solutions for Marine, Power Generation, Industrial and Petrochemical.</p> <ul style="list-style-type: none"> -Noise and Vibrations Measurements and Consultancy. -Predictive Maintenance or CBM -Condition Based Maintenance- -Vibration Condition Monitoring Systems. -Start-up Testing and Operation Support Services. -Shipboard Testing and Measurements. -Breakdown and Failure Analysis. -Experimental Dynamic Tests (Modal Analysis, ODS, etc.). -Modeling and Measurements of Underwater Radiated Noise. -Static and Dynamic Structural Analysis (FEM). -Acoustic Analysis (SEA). -Research and Innovation (FP7: SILENV and BESST Projects). 	
Skills and Expertise Offered	<p>Extensive experience in the areas set out above.</p> <ul style="list-style-type: none"> -TSI's R&D Group is currently involved in two major projects within the FP7: SILENV and BESST. -Largest Noise & Vibration Footprint Database of the European Fleet, including Underwater Radiated Noise (URN). -URN Dedicated Data Acquisition and Processing Tool (TSI-URN Tool). -“Noise & Vibration Integrated Management” during design, project, building and sea trials stages of five modern quiet vessels. Including: N&V Prediction Calculations; Factory Acceptance Tests of the Main Machinery and equipment; URN 	

Supporting Organisations:-



	<p>Prediction Calculation, Dedicated Dynamic Tests onboard: Impedance measurements, Modal Analysis, etc.; Sea Trial Tests.</p> <p>-Improvement of the noise footprint prediction tool/techniques for vessels. And development of mitigation measures in order to reduce the noise footprint.</p> <p>-Predictive Maintenance Systems and functions for monitoring and data collection onboard.</p> <p>-Static and Dynamic scantling of Structures, both in isotropic and new materials.</p> <p>-Real experience building “quiet vessels” and development of a “Design Practical Guide”.</p>
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<p>Topic(s) Interested</p> <p><i>(Please Select from the following topics open in the 2012 call)</i></p>	<p><u>7.2.1 The Greening of Surface Transport (pg53)</u></p> <p><u>AREA 7.2.1.1. THE GREENING OF PRODUCTS AND OPERATIONS</u></p> <p><input checked="" type="checkbox"/> SST.2012.1.1-2. Assessment and mitigation of noise impacts of the maritime transport on the marine environment</p> <p><input type="checkbox"/> SST.2012.1.1-3. Support to the early implementation of the JPI ‘Healthy and Productive Seas and Oceans’</p> <p><u>7.2.2 Encouraging modal shift and decongesting transport corridors (pg58)</u></p> <p><u>AREA 7.2.2.2. MARITIME AND INLAND WATERWAYS TRANSPORT</u></p> <p><input type="checkbox"/> SST.2012.2.2-1. Green vessels for efficient logistics chain</p> <p><input type="checkbox"/> SST.2012.2.2-2. Towards an implementation of the NAIADES Action Areas</p> <p><u>7.2.4 Improving Safety and Security (pg73)</u></p> <p><u>AREA 7.2.4.1. INTEGRATED SAFETY AND SECURITY FOR SURFACE TRANSPORT SYSTEMS</u></p> <p><input type="checkbox"/> SST.2012.4.1-1. Human element factors in shipping safety</p> <p><input type="checkbox"/> SST.2012.4.1-2. Safety of ships in extreme conditions</p> <p><u>7.2.5 Strengthening competitiveness (pg78)</u></p> <p><u>AREA 7.2.5.2. COMPETITIVE SURFACE TRANSPORT PRODUCTS AND SERVICES</u></p>
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Supporting Organisations:-



	<p><input checked="" type="checkbox"/> SST.2012.5.2-3. Innovative structural and outfitting materials for ships including inland ships</p> <p><input checked="" type="checkbox"/> SST.2012.5.2-5. E-guided vessels: ‘the autonomous ship’</p> <p><input type="checkbox"/> SST.2012.5.2-6. E-Maritime</p> <p>7.2.6 Cross-cutting activities (pg85)</p> <p><input type="checkbox"/> SST.2012.6-1. ERA-NET ‘Transport III’</p> <p>7.2.7 The ‘European Green Cars Initiative’ (pg86)</p> <p><u>AREA 7.2.7.3.1. LOGISTICS AND CO-MODALITY</u></p> <p><input type="checkbox"/> GC.SST.2012.7.3-1. Improve capturing and sharing of transport data in support of innovative freight transport schemes</p> <p><input type="checkbox"/> GC.SST.2012.7.3-2. Eco-logistics</p> <p><input type="checkbox"/> GC.SST.2012.7.3-3. Platform for continuous intermodal freight transport strategic research and innovation</p> <p><input type="checkbox"/> GC.SST.2012.7.3-4. Green hubs enabling co-modal network design</p>
<p>Role in a Project</p>	<p>What type of role are you looking for in a project</p> <p><input checked="" type="checkbox"/> Partner</p> <p><input checked="" type="checkbox"/> Workpackage Leader</p> <p><input checked="" type="checkbox"/> Co-ordinator</p>

Supporting Organisations:-

