

FP7 Maritime Transport Brokerage Event 2011 London

Partner Profile Sheet

Name of the Organisation	Centrum Techniki Okretowej S.A. (CTO) Ship Design and Research Centre	
Organisation Type	1. R&D 2. Design Office	
Contact Person	Alicja Koscinska Marta Walk Krzysztof Nawacki	Position: Manager in Design Office Senior specialist in Environmental Laboratories Division Chief Designer in Design Office
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Address	ul. Waly Piastowskie 1 80-958 Gdansk, Poland	
Fields of Activity	1. Design Office Design of ships and research equipment 2. Environmental Laboratories Division R&D activities, carry out expertises, technological studies, arbitration and post-failure tests in the field of materials science, corrosion and protection against corrosion, environment protection and fire-safety as well as acoustics 3. Structure Division R&D activities, conducts tests, elaborates analyses and optimization recommendations along with workshop designs in the field of ship structures, vibrations and acoustics 4. Ship Hydromechanics Division R&D activities, conducts tests and research in the field of hydromechanics, connected with design and operation of ships and other floating structures	
Skills and Expertise Offered	1. Design Office Design from concept stage to delivery documentation, new buildings, modernizations, conversions of all types of ships	

Supporting Organisations:-



	<p>2. Environmental Laboratories Division</p> <ul style="list-style-type: none"> research of combustible materials properties research of construction fire resistance research of smoke protection research plastic research of acoustic and noise of products and building materials sampling and testing of ballast water risk assessment of introduction of alien organisms into the waters according to the requirements of the IMO <p>3. Structure Division</p> <ul style="list-style-type: none"> static and dynamic calculation analyses analyses, evaluations and optimizations of ship and building structures measurements during ship sea trials noise measurements and strategic noise maps of urban areas and town districts laboratory and on-site tests technical consultancy in the field of ship structure, vibrations and acoustics during preparation of contracts <p>4. Ship Hydromechanics Division</p> <p>Predictions:</p> <ul style="list-style-type: none"> ship performance in calm water – deep or shallow ship performance in waves in different sea states ship manoeuvrability seakeeping of ships and other floating structures propeller cavitation properties excitations on hull and shaft induced by working propellers <p>Numerical analyses:</p> <ul style="list-style-type: none"> flow around a ship hull allowing for free surface, pressure distribution on hull surface, streamlines on hull surface, wave system and velocity field at propeller disc work of screw propeller at heterogeneous velocity field, allowing for cavitation and determination of pressure fluctuation on ship hull surface and also bearing forces and moments on propeller shaft short- and long-term predictions concerning ship's behaviour in waves
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Supporting Organisations:-



<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 checked="" 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 checked="" 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> <p><input type="checkbox"/> SST.2012.5.2-3. Innovative structural and outfitting materials for ships including inland ships</p> <p><input 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><u>7.2.6 Cross-cutting activities (pg85)</u></p> <p><input type="checkbox"/> SST.2012.6-1. ERA-NET ‘Transport III’</p> <p><u>7.2.7 The ‘European Green Cars Initiative’ (pg86)</u></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>
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Supporting Organisations:-



	<input type="checkbox"/> GC.SST.2012.7.3-2. Eco-logistics <input type="checkbox"/> GC.SST.2012.7.3-3. Platform for continuous intermodal freight transport strategic research and innovation <input type="checkbox"/> GC.SST.2012.7.3-4. Green hubs enabling co-modal network design
Role in a Project	What type of role are you looking for in a project <input checked="" type="checkbox"/> Partner <input type="checkbox"/> Workpackage Leader <input type="checkbox"/> Co-ordinator

Supporting Organisations:-

