



CTN. Technological Naval Centre.

Private association of maritime companies, mainly SMEs, in Cartagena (Spain).

Company profile.

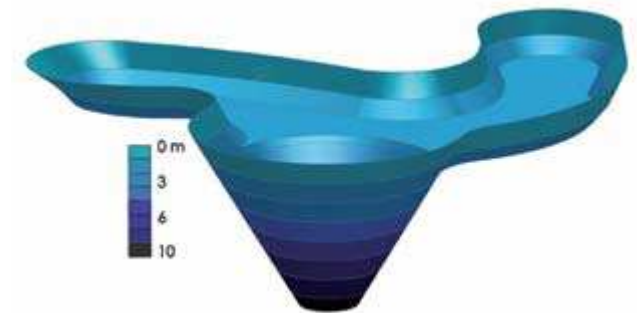
Transport brokerage event, 18 July 2012

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CTN skills and capacities.

- Underwater Acoustics: underwater wireless communications, propagation models, environmental impact studies.
- New coating removal technologies: painting, blasting.
- Environmentally friendly technologies for ship maintenance.
- Energy efficiency.
- ICT Technologies for maritime sector.
- Robotics and process automation.
- Development of fully electrical boats.





We are interested in these topics

- *SST.2013.6-2. Low cost flexible automation and mechanisation in small and medium shipyard.*
- *SST.2013.1-2. Towards the zero emission ship.*
- *SST.2013.4-1. Ships in operation.*
- *SST.2013.4-2. Inspection capabilities for enhanced ship safety.*
- *OCEAN 2013.4 – Innovative transport and deployment systems for the offshore wind energy sector.*
- *OCEAN 2013.3. Innovative antifouling materials for maritime applications*
- *TPT.2013-1. Technology transfer in the area of Transport.*
- *TPT.2013-2. Mapping regional capacities in transport research and innovation.*
- *TPT.2013-3. Ex-post evaluation of the Transport (including Aeronautics) theme of the FP7 'Cooperation' specific programme.*

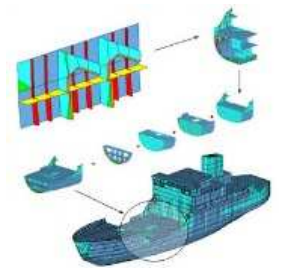


Topic SST.2013.5-2. Low cost flexible automation and mechanisation in small and medium shipyards

- Automation for shipyards processes: Design, Engineering, Blasting, Cutting, Assembly, etc.
- Identification of Technical needs and automation solutions in shipyards.
- Testing of solutions and development of specific training programmes.
- Participation in several research projects funded by national and European programmes.
- Extensive contacts network in different worldwide areas (suppliers, SMEs, RTDs, etc.)
- Software development for painting process management.

Topics SST.2013.1-2. Towards the zero emission ship

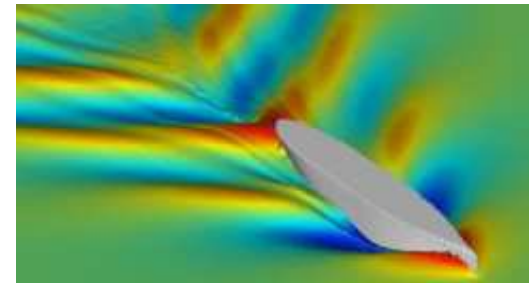
- Innovative and alternative designs for ships and offshore structures.
- Hull and structural optimization.
- Development real time monitoring for consumption fuel control.
- Survey, evaluation and optimisation operational profiles of the boat.
- Specialists in energy audits in engine room and propulsion engines.
- CFD and FEM software simulation.





Topic SST.2013.4-1. Ships in operation

- Development tools and processes for analysis hydrodynamics problems.
- Design and optimisation vessels for holistics operational performance.



Topic SST.2013.4-2. Inspection capabilities for enhanced ship safety

- Development systems for monitoring ships risk.
- Development tools and methodologies for dynamic collection processing and use of real time information.