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MARTEC

ERA-Net Maritime Technologies

Co-ordination Action

ERA-Net

TASK 3.4

Integration of new Partners and New Member Countries

D 3.7

Maritime stakeholder database for the new Member Countries

Final Version

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Dissemination Level

PU	Public	X
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	

Content

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Executive summary

The ERA-NET MARTEC (2006 – 2009) is an EU funded project in the 6th Framework Programme. The MARTEC partnership consists of 13 partners and 6 observers from 15 European countries.

As a contribution to the development of the European Research Area, the objective of MARTEC is to form a sustainable network and partnership of key funding agencies and ministries aiming at deepening the understanding of conditions for management of maritime technologies research between the key European countries actively funding RTD in this sector. In co-operation with the European industrial maritime cluster and other stakeholders this network intends to work out a strategy for future maritime technological research funding through trans-national programmes and calls which are coherent with the European research policy and the strengthening of the European Research Area.

Due to the nature of maritime industry RTD, MARTEC will put particular emphasis on the co-ordination of national R&D programmes which are strategically planned to provide funding for projects which contribute to improving the international competitiveness of the European shipping and marine technology industry. The typical projects funded are technologically oriented with industrial partners involved.

In order to achieve these objectives, it is of importance for MARTEC to interact with representatives from the industry and the research communities. It is of particular interest to keep a close cooperation with the Technology Platform WATERBORNE.

The report will include a database of maritime stakeholders in the new member countries Poland, Romania, Bulgaria Cyprus, Czech Republic, Estonia, Hungary, Latvia, Lithuania, Malta, Slovakia and Slovenia. The database will begin with MARTEC partner countries Poland and Romania. Also the contact data of MARTEC observer country Bulgaria will be available. Data for all other countries are more difficult to collect. Most national contact points as well as national authorities did not answer to several requests. Most information of other countries was collected by internet. Email or phone contacts most often ends without success. It will be necessary in a further step to visit ministry representatives to establish further contacts. This will be a subject to MARTEC II.

General information of research policies of several countries can be found on ERAWATCH: http:/cordis.europa.eu/erawatch/index.cfm

1 Maritime stakeholder database for the new member countries

Definition of MARTEC priority areas

Basic priority areas were defined in work package 1. It was decided to distinguish between thematic priority areas and integrated priority areas during the workshop at London on 20 June 2007. The maritime stakeholder database should reflect the priority areas only. Eight thematic and three integrated priority areas are structured in MARTEC at the moment. **Thematic maritime priority areas are:** shipbuilding; maritime equipment and services; ship and port operations; inland water and intermodal transport; offshore industry/offshore technology; offshore structures for renewable energy; polar technology; fishing/aquaculture. **Integrated maritime priority areas** are safety and security; environmental and climate impact; human elements.
The priority areas vary in each partner or observer country. Some areas are only covered by a minor number of partners, while others are covered by the majority of partners. The different priority areas and coverage are shown in the table below (coloured means covered, open means not covered).

Overview table: partner countries – priority areas

Priority area / Country	DE	ES	PL	FR	FI	DK	UK	NL	NO	SE	RO
shipbuilding- new ship types, structures, ship design											
shipbuilding- production process and technology											
maritime equipment and services											
ship and port operation services											
inland water and intermodal transport											
offshore industry/ offshore technology											
offshore structures for renewable energy											
polar technology											
fishing/ aquaculture											
safety											
Security											
environmental and climate impact											
human elements											

The database for new member countries should include the maritime stakeholders of each country. Only industry stakeholders were requested in the task description. This document was extended also to governmental organisations (programme owner and programme management organisations) to include all information of relevant funding structures. Furthermore information is included of national industry associations in the maritime field, the main maritime research facilities and most important maritime industry stakeholders.

1.1 Poland

Summary: Presented in this chapter are stakeholders of the Polish maritime market, representing both research institutions as well as enterprises. This coexistence has been resulted in continuous closer and closer cooperation between both groups since a very long time. Presented are most important representatives of governmental, maritime reseach and industrial entities, which potentially could be a partner in projects funded via the ERANET MARTEC call mechanisms.

1.1.1 Governmental organisations

Ministry of Infrastructure
Department for Maritime Transport and Inland Navigation
ul. Chałubińskiego 4/6, 00-928 Warsaw, Poland
Director: Dorota Lost-Siemińska
Deputy Director: Andrzej Gdula
tel. +48 22 63 01 540
fax +48 22 63 01 549
www.en.mi.gov.pl/2-4804c81811f74.htm

Summary: Department of Maritime Transport and Inland Navigation deals with:

A. the matters related to legal acts related to: sea ports and harbours, Inland Waterway Fund and Reserve Fund, seafarers' hours of work on board ships, the tonnage tax, the inland navigation (excluding the issues run by Shipping Safety Department), the maritime code (excluding the issues run by Shipping Safety Department), the marine areas and maritime administration in Poland (regarding sea port boundaries), the carriage law (regarding inland waterway transport) and the higher education law - within the competence of the minister for maritime economy, excluding the matters run by Shipping Safety Department

B. the issues related to: planning the development of maritime transport and inland navigation infrastructure; joint commission for maritime transport and inland waterway transport (in accordance with bilateral and multilateral international agreements); national and EU integrated maritime policy; labour law as applicable to maritime and inland waterway transport; European transport corridors - in relation to maritime and inland waterway transport; cooperation with the Maritime Law Codification Commission and servicing the Council for Promoting Inland Navigation.

A. supervision of shipping companies established on the basis of international agreements; Maritime Institute in Gdańsk; Gdynia Maritime University and Maritime University of Szczecin

The Department runs also the office of the Maritime Law Codification Commission.

Shipping Safety Department
4/6 Chałubiński Street, 00-928 Warsaw, Poland
Director: Magdalena Jabłonowska
Deputy Director: Marek Chmielewski
tel. +48 22 63 01 639
fax +48 22 63 01 497
www.en.mi.gov.pl/2-4804c81810035.htm

Summary: Shipping Safety Department deals with:

- the matters related to legal acts related to: the maritime safety, ship-source marine pollution; port reception facilities for ship-generated waste and cargo residues; the long-standing programme „Sea coast protection"; the underwater work; the maritime chamber act; the maritime equipment; shipping protection and port security (excluding the issues dealt by Department of Defence Affairs); the marine areas and maritime administration in Poland (excluding the issues dealt by Department of Maritime Transport and Inland

Navigation); the inland navigation (regarding administration, safety and professional qualifications); the maritime code (regarding maritime safety and ship-source marine pollution); the border protection (within the competence of the minister for maritime economy); the education (regarding inland navigation and training under the International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (or STCW)); the coat of arms, colours and anthem of the Republic of Poland, and state seals (within the competence of the minister for maritime economy); the waste management (within the competence of the minister for maritime economy); the environment protection (regarding maritime shipping and inland navigation); the higher education (with regard to training under the International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (or STCW)) and the water law (within the competence of the minister for maritime economy, in cooperation with Department of Maritime Transport and Inland Navigation). The Department deals also with the construction law (within the competence of the minister for maritime economy, regarding technical conditions for maritime hydrotechnical structures and their location); the real estate management act (within the competence of the minister for maritime economy, in cooperation with Department of Maritime Transport and Inland Navigation) and the act on the Polish Register of Shipping (within the competence of the minister for maritime economy).

- the issues related to: safe maritime navigation, shipping protection and port security; maritime search and rescue operations; training and marine qualifications; marine environment protection and ship-source pollution; sea coastline protection; classification societies; maritime projects financed from state budget funds; systems for electronic exchange and intelligent transport systems (regarding maritime economy); cooperation with Maritime Law Codification Commission.
- supervision of maritime offices; inland navigation offices; maritime chambers and ministerial delegates to the chambers; Maritime Search and Rescue Service (SAR), as well as with regard to the International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (or STCW).
- The Department deals also with issues related to education (Maritime University of Szczecin, Gdynia Maritime University, Polish Naval Academy in Gdynia as well as inland navigation and maritime secondary schools).Ministry of Regional Development

Ministry of Regional Development
Wspólna 2/4, 00-926 Warsaw, Poland
tel: + 48 22 46 13 000
www.mrr.gov.pl/english/contact/strony/contact.aspx

Summary: Pursuant to the Act of 4 September 1997 on State Administration Departments,as subsequently amended (Journal of Laws 06.75.519 of 19.05.2006), the Ministry of Regional Development performs functions related to the preparation and implementation of the national development strategy, which includes the concept of the country's zoning and functions related to the management of the European Union's assistance funds.

The Ministry's objective is to use all the European Union's funds that are available to Poland both in the current budget period 2004-2006 and in the years 2007-2013 in the most efficient way.

The Ministry's role is defined by the following priorities of its activity:

- Establishment of a system for managing the EU funds, which guarantees the proper and timely implementation of programmes financed from the European Union's funds.
- Implementation of a repair programme in order to increase the level of spending EU funds granted to Poland for the years 2004-2006.
- Preparation of the National Development Strategy 2007-2015, with the particular consideration of regional development.
- Preparing Poland for the European Union's future budget period 2007-2013; preparation of the National Cohesion Strategy and Operational Programmes 2007-2013.

- Preparation of a bill on the development policy and on the principles of co-operation between public authorities in this area.
- Co-operation with local government in the area of regional development.
- Co-operation with the European Commission.

Polish Centre for IMO Affairs (Polski Rejestr Statków)
Al. Gen. J. Hallera 126, 80-416 Gdańsk, Poland
Tel.:+48 58 75 11 390
imo@prs.pl
www.prs.pl

Summary: PRS is an independent expert institution acting on the international market, whose business is conducted for the benefit of the community. Through the formulation of the requirements, survey and issue of the appropriate documents, PRS assists State Administrations, Underwriters and the Society's clients in ensuring the safety of people, floating objects, land undertakings, the safety of carried cargo and that of the natural environment.

The instrument for realising the mission and quality policy is the continually improved PRS quality system implemented in 1992.

Classification activity covers the following processes:

- Development and updating of rules, guidelines, standards and evaluation criteria for project assessment and construction of ships and floating units in scope of structure, equipment, materials and products, mainly on the basis of results of scientific research projects,
- Approval of technical documentation and supervision of new buildings and units in service for conformance with rules and documents, referred to above,
- Assignment of class, issue and confirmation of class certificates and entry to Ship Register.

The processes, referred to above, are conducted in accordance with the internally controlled quality management system in Ship Division by Technical Service, Ships Survey Service and Boats & Yachts Department, which act through Head Office departments, branch offices, survey stations and representatives in Poland and abroad, as well as by Rules Department and Training and Instructions Department.

The quality system assures that survey services are performed by highly qualified and competent surveyors in conformance with international shipping and safety at sea standards, and that the performance is verified at every stage of the process.

PRS classification covers:

- sea-going ships,
- inland waterway vessels,
- sea-going yachts,
- motor boats,
- submersibles,
- floating docks,
- offshore drilling units,
- refrigerating plants onboard ships.

The survey is undertaken by PRS at the written request and is conducted according to the Rules, appropriate for a given floating unit and the approved classification documentation.

PRS surveys materials, machinery, ship equipment; recognises works, constructors, laboratories.

Detailed list of activities can be found at the Polish Centre for IMO Affairs website www.prs.pl/cat4.

1.1.2 Industry associations

Employers Association "Vessel Forum"
ul. Uphagena 23, 80-237 Gdańsk, Poland
Tel. +48 58 34 58 289, +48 58 52 07 091 to 94
Fax: +48 58 52 07 090
forum@forumokretowe.org.pl
www.forumokretowe.org.pl

Summary: According to its statute, Employers Association "Vessel Forum" deals with:

- protection of rights and representation of member interests,
- creation of conditions for development of maritime industry, repair of ships, oceanotechnics and their research and cooperative support,
- support for cooperation and exchange of services between members,
- cooperation and lobbing for the best legal solutions,
- representation of Polish maritime industry in international organizations and associations.

Polish Chamber of Maritime Commerce
ul. Armii Krajowej 24, 81-372 Gdynia;
Tel.: +48 58 78 20 191; +48 58 66 15 375;
Fax: +48 58 62 03 554;
kigm@kigm.pl
www.kigm.pl

Summary: Polish Chamber of Maritime Commerce was created by the enterprises involved in maritime economy. The principal purpose of the activities of the Chamber is to create conditions for using the sea as a natural factor of economic development of our region.

The Polish Chamber of Maritime Commerce realises its aims carrying out the following activities:

- assisting local economic initiatives and undertakings aimed at the development of entrepreneurship in the maritime economy;
- integrating the community of entrepreneurs involved in various fields of maritime economy and assurance of representation of this group of enterprises in relations with institutions of state and local administration organising business and social contacts for its members;
- collecting information concerning the maritime economy and setting up a computerised data base serving the members of the Chamber;
- organising information-providing, advisory and training events for enterprises of maritime economy.

The Polish Chamber of Maritime Commerce also supervises the activities of the team of sworn experts that consist of 150 specialists of different branches.

Polish Maritime Industries Forum
ul. Armii Krajowej 24, 81-372 Gdynia;
Tel.: +48 58 78 20 191; +48 58 66 15 375;
Fax: +48 58 62 03 554;
kigm@kigm.pl
www.pfpm.pl

Summary: In 2004 Polish Maritime Industries Forum (PMIF) was appointed, operating within the structure of the Polish Chamber of Maritime Commerce. PMIF, on the one hand brings together representatives of organizations and entities operating in the Polish maritime economy: companies, representatives of the ports, undersea mining, shipbuilding and its subcontractors, higher maritime education and technical research institutions working for the maritime economy

and on the other hand - the representatives of concerned central and local organs of state administration and local government.

Basic activities of PMIF shall be assisted by expert groups, permanent and temporary, who are appointed according to the needs supervised by the Technical Committee, for which activity CTO SA is responsible. PMIF is inspired and supervised by the Steering Committee, composed of, inter alia, consisted of the Undersecretary in the Ministry of Infrastructure, the State Secretary in the Ministry of Economy, the Undersecretary in the Ministry of the Treasury as well as governors of the Pomeranian and the West Pomeranian Voivodeships.

Currently Chairman of the Steering Committee is the Undersecretary in the Ministry of Infrastructure, Ms. Anna Wypych-Namiotko.

1.1.3 Maritime research facilities

Ship Design and Research Centre
ul. Wały Piastowskie 1, 80-958 Gdańsk, Poland
tel.+48 58 30 74 697
fax: +48 58 30 74 225
cto@cto.gda.pl
www.cto.gda.pl

Summary: The essential mission of the CTO is to initiate and to support the maritime industry by the research-development, design and information activities. The intellectual, research and design resources of CTO are also employed for the other branches of economy.

CTO's research laboratories are available also for students and research staff of technical universities and this is CTO's contribution to improvement of education quality and development of science.

In constant pursuit of perfect performance of research-development and design work at the world's top level, CTO satisfies the expectations of the Customers by rendering its services quickly and with competitive prices.

Activities:
In the following divisions of CTO: Ship Hydromechanics Division; Ship Structure Division; Materials Science, Corrosion and Environment Protection; Design and Technology, using highly specialized research objects as Model basins, Cavitation tunnel, Shore station and Acoustic Laboratory performed are very detailed studies on ship construction. Based on outcome of tests digital models are prepared, which facilitates the whole process.

Centre for Marine Technology
ul. Dickmana 62, 81-109 Gdynia, Poland
tel.: +48 58 66 65 380
fax: +48 58 666 5 391
ctm@ctm.gdynia.pl
mz@ctm.gdynia.pl
www.ctm.gdynia.pl

Summary: Centre for Marine Technology (CTM S.A.) has been developing its domestic and international business for over a quarter of the century. It is a period of time that allows the CTM's staff to talk about CTM as the company with a broad experience in a defence sector. Despite the economic crisis that has brought slowdown in the growth rate of economies of many countries, 2009 year has been closed down with satisfaction and a positive financial result. The position of the company in local and international markets in the area of R & D, implementation and production is being strengthened. In 2010 year should bring a finalization of a number of already started contracts and signing new ones. Further improvement of services and products will be continued.

Activities:
CTM has a broad expertise based on modern laboratory facilities, considerable research and development output, and co-operation with scientific research and industrial centres in Poland and abroad, in the fields as follows: 1.) Command, Control and Communication Systems; 2.) Underwater Weapons Systems and Systems to Monitor Underwater Situation; 3.) Maritime Infrastructure Protection Systems; can perform many different testing and certification procedures in its research laboratories.

Gdańsk University of Technology

The Faculty of Ocean Engineering and Ship Technology
ul. G. Narutowicza 11/12, 80-233 Gdańsk, Poland
tel.: +48 58 34 71 793
faks: +48 58 34 14 712
sekcoe@pg.gda.pl
www.oce.pg.gda.pl

Summary: Teaching and scientific research work is carried out in the Faculty in six chairs: Ship Structural Mechanics and Strength, Ship Construction Technology, Quality Systems and Materials Science, Theory and Design of Ships, Ship Power Plants and Equipment, Ship Automation and Turbine Propulsion Systems.

The following objects comprise the Faculty of Ocean Engineering and Ship Technology of the Gdansk University of Technology:

- the faculty building housing the administrative part, two large lecture theatres and a number of smaller lecture rooms;
- teaching and research laboratories, a modern computer laboratory;
- library with reading room;
- specialist laboratories scattered over the territory of Gdansk University of Technology but belonging to the Faculty:
    - Ship Hydromechanics Laboratory,
    - Ship Automation and Turbine Propulsion Laboratory,
    - Ship Equipment Laboratory, Ship Machinery and Power Plant Laboratory;
- Research Centre in Ilawa.

The Faculty of Ocean Engineering and Ship Technology has also at its diaposal several unique research facilities, including:

- Ship Hull Laboratory,
- Ship Hydromechanics Laboratory in Ilawa,
- Towing Tank,
- Cavitation Tunnel,
- Machine Laboratory,
- Laboratory of Deep-Sea Technology and Composite Materials,
- Materials Science Laboratory.

Gdynia Maritime Academy
Faculty of Marine Electrical Engineering
ul. Morska 81-87, 81-225 Gdynia, Poland,
tel. +48 58 69 01 651
tel/fax. +48 58 62 19 938
wedt@am.gdynia.pl
we.am.gdynia.pl/english/indexe.html

Faculty of Marine Engineering
ul. Morska 81-87, 81-225 Gdynia, Poland
tel. +48 58 62 18 997; fax: +48 58 69 01 399
wmdt@am.gdynia.pl
wm.am.gdynia.pl/wm_en/

Faculty of Navigation
Al. Jana Pawła II 3. 81-345 Gdynia, Poland
tel. + 4858 62 01 301
wndt@am.gdynia.pl
wn.am.gdynia.pl/en/

Summary: Gdynia Maritime University is the largest state school of higher maritime education in Poland and one of the largest in Europe. Since 1920 the University has been preparing graduates for officer positions on board merchant marine vessels and for managerial positions at the land-based institutions and companies representing the maritime industry and seaside regions. The University four Faculties offer degree in Navigation, Marine Engineering, Marine Electrical Engineering and Business Administration. At present Gdynia Maritime University provides studies for 8000 students.

The programs of studies satisfy both Polish educational standards provided by the Ministry of Education and also the requirements of the International Maritime Organization – IMO. The academic staff – representing doctor of science degree and scientific titles of a professor accompanied, in many cases, by the highest marine diplomas of a Master Mariner, Chief Engineer Officer and Shipboard Electrical Engineer – supported by the laboratory facilities offering 25 specialised simulators and ISO 9001 education quality management system implemented by the University.

The Maritime University actively co-operates in the conduct of joint research projects, preparation of young generation academic staff and in the exchange of students with 18 maritime institutions of higher education within international organisations such as: European University Association (EUA) and International Association of Maritime Universities (IAMU).

The new strategy for further growth and development adopted by the Senate of Gdynia Maritime University will ensure the strengthening of the University role as a worldwide marineoriented centre of studies and training preparing professionals – citizens of the World.

Polish Naval Academy

The Faculty of Command and Naval Operations
ul. Śmidowicza 69, 81-103 Gdynia, Poland
sekr.wdiom@amw.gdynia.pl
j.kaminski@amw.gdynia.pl
www.amw.gdynia.pl/index_en.php
press: +48 58 626 74 01

Summary: The Faculty of Command and Naval Operations is established to conduct activities related to education, research work, and administration for the Polish Navy, Ministry of Defense, and Maritime Industry.

The main mission of the Faculty is to organize and conduct educational activities in the field of defense science, with majors in specialties in which the Faculty has the appropriate authorization, and to do research work in the field of defense science with majors in specialties represented by the organizational units of the Faculty.

The Faculty of Mechanical and Electrical Engineering
ul. Śmidowicza 69, 81-103 Gdynia, Poland
tel. +48 58 62 62 635, +48 58 62 62 648
fax +48 58 62 52 648
dziekan.wme@amw.gdynia.pl
http://www.amw.gdynia.pl/index_en.php?n=65

Summary: The Faculty of Mechanical and Electrical Engineering of the Naval Academy named after the Westerplatte Heroes is a heir to and continuator of the educational processes conducted in succession by: Faculty of Technology of Naval Officers School in Toruń (1922-1928), Midshipmen School in Toruń (1928-1938), Midshipmen School in Bydgoszcz (1938-1939) and in Plymouth, GB, (1939-1946), Faculty of Technology of Naval Officers School in Gdynia (1946-1955), Faculty of Mechanical and Electrical Engineering of Higher Naval School

(1955-1987). In 1978 the Faculty of Technology was transformed into the Faculty of Mechanical and Electrical Engineering and the name was retained in the Naval Academy established in 1986 by order of MOD.

The Faculty of Mechanical and Electrical Engineering conducts research work for needs of the Polish Navy, MOD and maritime industry in the following fields:

- build and operation of machines, especially operation of shipboard electrical systems and appliances, build and operation of marine power plants, build and operation of diving gear, underwater work technologies, diagnostics of shipboard machinery, and statistical methods in diagnostic and operation of machines and appliances.
- mechanics, especially structure shock strength, numerical design of systems and equipment, technologies used to make materials structure elements.
- digital control and automation, especially processing and transfer and display of data in shipboard systems, operation of electricity generating plants and ship electric propulsion, control systems of operation of shipboard equipment, operation of general shipboard systems and marine propulsion.
- shipboard command support, including designing and developing integrated systems used to control a marine power plant, designing and developing integrated systems of navigation and systems of graphical display of data
- theory of control, especially identification and modeling of multidimensional objects, artificial neuron nets used for control.
- theory of operation, especially diagnostics of shipboard equipment
- technology of underwater work.

Faculty Of Navigation And Naval Waeapons
ul. Śmidowicza 69, 81-103 Gdynia, Poland
tel. +48 58 626 26 10
a.budzisz@amw.gdynia.pl
m.klinkosz@amw.gdynia.pl
www.wniuo.amw.gdynia.pl

Summary: The Faculty consists of Insitute of Navigation and Hydrography, Institute of Naval Weapons, Institute of Hydroacoustic and Department of Ship Exploitation.

Szczecin Maritime Academy
Faculty of Navigation
Wały Chrobrego 1-2 70-500 Szczecin, Poland
tel. +48 91 48 09 354, +48 9148 09 515
fax: +48 91 48 09 466
dn@am.szczecin.pl
am.szczecin.pl/index.php?section=193

Summary: The Faculty of Navigation is authorized to confer a degree of doctor of technical sciences in geodesy and cartography. In two fields of studies, navigation and transport, the Faculty has more than 1600 students. In comparison to other institutions instructing seafarers in Europe, SMU's Faculty of Navigation is among the major ones. This recognized Faculty provides education taking advantage of its uptodate curriculums, simulators and laboratories. The training/research vessel Nawigator XXI is an integral part of aboard training program. The Faculty staff are mostly lecturers holding both scientific degrees and titles, with practical experience and expertise confirmed by seafarer's management level certificates.

The Faculty of Navigation consists of two institutes:

- Institute of Marine Navigation
- Institute of Marine Traffic Engineering.

After completion of studies at this Faculty one can be graduated in one of the following areas:

- sea transport
- deep-sea fishing

- marine traffic engineering
- hydrographic survey and aids to navigation
- Rescue
- marine information systems

Faculty of Mechanical Engineering
ul. Wały Chrobrego 1-2
70-500 Szczecin, Poland
tel. +48 91 48 09 512
fax +48 91 48 09 380
dm@am.szczecin.pl

Summary: The Faculty of Marine Engineering offers studies in the field of mechanics and machine construction geared to the needs of maritime industry, mainly in maintenance and operation of marine power plants, repairs of shipboard machines and equipment.

Faculty graduates are well prepared in terms of theory and practical skills for their future duties and responsibilities. They receive a diploma of qualified engineer or/and Master of Engineering in their respective course.

After completion of studies at this Faculty one can be graduated in one of the following areas:

- marine power plant operation
- marine machine and equipment diagnosis and repairs
- operation of marine propulsion and electric-power machines
- operation of marine machines and equipment

The Marine Engineering Faculty comprises the Chair of Machine Diagnosis and Repairs and institutes:

- Technical Operation of Marine Power Plants
- Marine Electrical Engineering and Automation
- Mathematics Physics and Chemistry
- Basic Technical SciencesChair of Machine Diagnosis and Repairs

Faculty of Economics and Transport Engineering
ul. Wały Chrobrego 1-2, 70-500 Szczecin, Poland
Tel. +48 91 48 09 400
www.am.szczecin.pl

Summary: Established in 2002, Transport Engineering and Economics is Maritime University's newest faculty. Its two fields of studies, Production Management and Engineering and Transport, offer a number of courses applicants can choose from. The first vintage graduates completed their first degree courses at full- and part-time studies.

West Pomeranian University of Technology in Szczecin
Faculty of Marine Technology
Tel. +48 91 44 94 111
al. Piastów 17, 70-310 Szczecin, Poland
zut@zut.edu.pl
www.wtm.zut.edu.pl

Summary: The Faculty of Navigation consists of the following entities:

- Department of Air Conditioning and Cooling Transport
- Department of Logistics and Transport Economics
- Department of Thermal Engineering and Ship Power
- Department of Ocean Engineering and Marine Systems Design
- Laboratory of Materials Fire Properties
- Laboratory of Vibroacoustics

Wrocław University of Technology
Faculty of Mechanical and Power Engineering
ul. Wybrzeże Wyspiańskiego 27, 50-370 Wrocław, Poland
A1 building,
Dean's office: room 245
tel. +4871 320 35 08, 320 23 25; 320 32 90
fax +48 71 320 42 28
www.wme.pwr.wroc.pl
wme@pwr.wroc.pl

Summary: Faculty of Mechanical and Power Engineering belongs to the oldest faculties of Wroclaw University of Technology. The Chairs, which in 1954 became part of the Faculty of Mechanical and Power Engineering, were established between 1945-1950 within the Faculty Mechanical Engineering and Electrotechnics. After it had been split they were part of the Faculty of Mechanical Engineering. The Faculty of Mechanical and Power Engineering was founded in1954.

Departments:

- Mechanics and Machine Construction
- Energetics

Faculty graduates are prepared to work in the power industry (on the examination and operation of machines and devices used for energy conversion and distribution), aircraft industry (with focus on diagnostics and operation of aircrafts), as well as in the machine-building, heat engineering and refrigeration industries.

Faculty of Mechanical Engineering
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B4 buiding
tel. +48 71 320 27 55, 320 42 52, 320 35 98
wydz.mech.sekr@pwr.wroc.pl
www.wm.pwr.wroc.pl

Summary: Faculty of Mechanical Engineering, initially the Department of Mechanical Engineering at the Faculty of Mechanical Engineering and Electrotechnics, was founded in 1945, upon the establishment of Wroclaw University of Technology. It was one of the first four faculties and Professor Kazimierz Idaszewski became Dean of the Faculty. For the last few years it has been ranked one of the best faculties in its discipline in Poland. Students, who speak one of western languages, can pursue part of their studies abroad. In Wroclaw, the Faculty offers studying at the Department of Mechanics and Machine Construction in English, while at the Department of Automation and Robotics in German.

Departments:

- Automation and Robotics
- Mechanics and Machine Construction
- Transport
- Management and Production Engineering
- Mechatronics
- Biomedical Engineering

Faculty graduates are versatile educated engineers and mechanics having knowledge in the field of formal sciences, applied sciences, mechanics, computer science and industry management .The Faculty of Mechanical Engineering ranks highest in the Ministry of Science and Higher Education evaluation.

1.1.4 Maritime industry

New Szczecin Shipyard (Stocznia Szczecińska Nowa)

Stocznia Szczecińska Nowa Sp. z o.o
ul. Hutnicza 1, 71-642 Szczecin, Poland
Tel.: +48 91 45 01 446; +48 91 45 91 188
Fax: +48 91 459 11 77
ssn@ssn.pl
www.ssn.pl

Summary: Although the name of New Szczecin Shipyard suggests that company is new, the adjective 'new' refers to the latest transformations process in consequence of which 'New Szczecin Shipyard' was established in 2002. The company itself is part of the tradition of shipbuilding in Szczecin that goes back to the middle of the XIXth century. Having three slipways (each with its particular specialization) and very experienced staff what allows to realise sophisticated constructions and orders.

The site of NSS is not directly by the open sea but on the banks of the Odra river, NSS couldn't built the biggest container ship. The situation forced Szczecin shipyard to turn its attention to other directions for a development. The company strategy was to become a leader in selected fields of both container (3-4,000 TEU) and fast container ships (up to 1,700 TEU) and also chemical tanker production (45-50,000 DWT).

On 6th November 2008 the European Commission has recognized the public aid paid by Polish Ministry of Treasure as illegal and requested its refund. The whole property of both Gdynia Shipyard and New Szczecin Shipyard should be sold at auctions and employee – made redundant.

Gdynia Shipyard (Stocznia Gdynia S.A.)

ul. Czechosłowacka 3, 81-969 Gdynia, Poland
tel. +48 58 62 71 840
fax:+48 58 62 71 823
www.stocznia.gdynia.pl/innelinki.php

Summary: Gdynia Shipyard, located at ca. 100 ha of the Gdynia Harbour, had its own Design Bureau, cooperated with academic and reseach institutions. During the whole period of its actiticy Gdynia Shipyard has built over 600 ships and vessels. In 2003 this shipyard was the first in Europe and 15th at the world in production category (expressed in CGT - compensated gross tonnage).

On 6th November 2008 the European Commission has recognized the public aid paid by the Ministry of Treasure as illegal and requested its refund. The whole property of both Gdynia Shipyard and New Szczecin Shipyard should be sold at auctions and employee – made redundant.

Gdańsk Shipyard (Stocznia Gdańsk S.A.)

ul. Na Ostrowiu 15/20, 80-873 Gdańsk, Poland
tel. +48 58 76 91 664
tel. +48 58 76 92 222
fax. +48 58 76 92 323
stocznia@stocznia.gda.pl
www.stocznia.gda.pl

Summary: Gdańsk Shipbuilding, with its 60 years of experience and more than 1000 ships and vessels constructed within this period, as well as high technology, flexibility and skills forwards to become your partner in any kind of steel construction production and prefabrication. Production is focused mainly on technologicaly advanced and highly specialized ships as e.g. offshore, refrigerator ships, containers and others. Offered are also plasma arc cutting, oxygen-cutting, Steel and profiles bedding services, prefabrication of steel constructions, piping works and fitting services.

Naval Shipyard Gdynia
ul. Śmidowicza 48, 81-127 Gdynia, Poland
+48 58 62 58 002,
fax: +48 58 62 50 147,
navship@navship.pl ;
commercial@navship.pl
www.navship.pl/en/production-facilities.html

Summary: The Naval Shipyard Gdynia is the oldest existing shipyard in Poland, it's a joint-stock company owned by the Treasury of the Republic of Poland – the Industrial Development Agency (Agencja Rozwoju Przemysłu S.A.) and Ministry of National Defence.

Scope of activity:

- Repairs, conversions, modernisation, maintenance of Navy vessels, merchant, fishers, technical and special fleet.
- Newbuildings.
- Manufacturing of special devices, articles, units and subunits, components, and spare parts.
- Services: repairs, docking, designing, subcontracting, forwarding, storage, testing, lodging, summer resort, health care
- Foreign trade of products and services.

Shipyard is licensed to trade in naval vessels and naval equipment worldwide as well as to weapons manufacture and trade and poses a number of certificates of Quality System Assurance and other ones.

Although at the moment legal status of the Naval Shipyard Joint Stock Company is systemic bankruptcy, but production is continued, new projects (including international cooperation) are developed.

Northern Shipyard (Stocznia Północna)
ul. Marynarki Polskiej 177, 80-958 Gdańsk, Poland
tel. + 48 58 30 96 600,
fax + 48 58 30 16 965
marketing@northship.com.pl
www.northship.com.pl

Summary: Northern Shipyard came into being in June 1945. In the beginning of its existence it was named Shipyard No3, and its activity was mainly production and repairs of trains, trams and small floating units.

Northern Shipyard is one of many companies owned by the REPAIR Group which gives an opportunity to offer highly technically specialized products- from the design to fully equipped ship. The Shipyard specializes in building special ships like: ships to transport gas: LNG/LPG, passenger-car ferries, container vessels, boats off-shore, multifunctional buoy putters, hydrographical ships, scientific-exploring ships, patrol boats. Ships and boats built In Shipyard sail under the flags of: Denmark, Finland, Germany, Norway, USA, Great Britain and Poland.

Gdańsk Shiprepair Yard "Remontowa" S.A.
ul.Na Ostrowiu 1, 80-958 Gdansk, Poland
phone +48 58 30 71 600, +48 58 30 71 778,
fax +48 58 30 12 532
remontowa@remontowa.com.pl
www.remontowa.com.pl

Summary: Remontowa S.A., a leader amongst European ship repair yards and a major player on the world market, specializes in ship repairs and conversions, design and construction of new ships, offshore units and steel structures. Every year, over 200 vessels and offshore units from all over the world, are repaired or converted at Remontowa. The Group's slipways and

docks allow for the construction of: ferries, container carriers, training and research ships, offshore units, floating docks and steel structures. Remontowa S.A. operates 7 floating docks. The yard's quays are fully equipped with the essential infrastructure, including 24 cranes able to lift up to 300 t.

The company, along with several affiliated companies and subsidiaries, members of Remontowa Group, offers a comprehensive range of ship repair and shipbuilding related services and marine equipment supplies.

The shipyard was established in 1952. Following the privatization in 2001, Remontowa S.A. celebrated its 55th anniversary in 2007.

TIMORO Company Limited
ul. Gniewska 21 H, 81-047 Gdynia, Poland
tel. +48 58 66 39 737, +48 58 66 39 777
fax +48 58 66 39 744
timoro@timoro.pl
www.timoro.pl

Summary: Timoro Co. Ltd is a private company established in 1991. Our economic activities are services in the range of shipbuilding, ship conversion and ship repairs in shipyards, harbours and during vessel's navigation. All employees are highly qualified and they are in possession of certificates like welding certificates of Polish Register of Shipping recognized by Lloyd's Register of Shipping, Germanischer Lloyd, Det Norske Veritas, Bureau Veritas and ABS or any other certificates necessary for carrying out services in above-mentioned professions.

Company's domains are its specialists. Quality and efficiency of services carried out by them allows the company to develop itself continously and to cooperate with a growing number of companies in Poland and abroad.

Koźle Shipyard Co Ltd.

ul. Stoczniowców 2, 47-200 Kędzierzyn - Koźle, Poland
Tel. +48 77 48 22 110
biuro@stocznia-kozle.pl
www.stocznia-kozle.pl

Summary: Koźle Shipyard is a small private inland water shipyard, located on the Odra river, on the south of Poland and is a producer in a variety of vessel types like: river pushers, river and small seagoing tugs, passenger ferries (we several types have been built for Nigeria), barges (Germany, Holland, Belgium, Czechy), freighters (Holland, Belgium), tankers (Germany, Belgium, Holland), special vessels for river regulation and maintenance of storage reservoirs, cutters, icebreakers, repairing works for a/m vessels

The shipyard produces also a variety of steel constructions like: steel - made containers, equipment for mining industry, building steel construction.

SEATECH Engineering Ltd
ul. Okopowa 7, 80-819 Gdańsk, Poland
tel: +48 58 30 81 564
fax: +48 58 30 81 561
seatech@seatech.com.pl
www.seatech.com.pl

Summary: Established in 2003, SEATECH Engineering Ltd deals with designing of ships, hulls and others structures of ships; designing of steel and aluminium structures dedicated for shipyard and harbours; structure supervising; owner's surveying on ships built in shipyards as well as consulting in ship building area and brokering in ship building area. Employed are highly sophisticated engineers - designers, naval architects and specialists in ship building.

SHIPREPAIR YARD "Nauta"
ul. Waszyngtona 1, 81-342 Gdynia, Poland
tel.: +48 58 62 12 500,
fax +48 58 62 06 351
poczta@nauta.pl
www.nauta.pl

Summary: Shiprepair Yard Nauta offers a large variety of services, among of which building of hulls and vessels up to 100m, rebuilding, lengthening and repairs of the floating objects, building of the steel sections, offshore constructions, repairs of the main and auxiliary engines, repairs of pumps, compressors, repairs and exchange of pipe systems, repairs of heat exchangers belong to the most important.

Moreover, cleaning of the hulls and steel constructions, blasting and painting, montage of boilers and hydraulic systems as well as repairs of different types of winches and repairs of the electric engines, generators, electrical equipment are made.

MARINE SHIPREPAIR YARD (Morska Stocznia Remontowa S.A.)
ul. Ludzi Morza 16, 72-602 Świnoujście, Polska
tel. +48 91 32 16 231
fax: +48 91 32 16 144
morska@msr.com.pl
www.msr.com.pl

Summary: Marine Shiprepair Yard carries out such repair work as: reconstructions of ERs consisting in renewals of main engines (MEs), pumps, pipelines and electric systems; repair and overall diagnostics of MEs and DGs, as well as fuel pumps, injectors and speed governors and electric motors; comprehensive repairs of shaft lines and marine propellers; renewals of pipelines in ER, tanks and on deck; servicing and repair of electric machinery as well as repair of electric systems; hull and welding work consisting in replacements of plates, shell plating, hull and cargo space; cleaning, painting and surface protection; steel work and machining; repair of deck equipment; installation and repair of radio and navigation equipment.

Marine Shiprepair Yard has been constructing diverse structures in carbon steels, stainless steels and aluminium. All of such structures have been carried out to the very demanding technical standards NORSOK M-101 and NORSOK M-102, and European Standards.

COMSEA Ltd
ul. Hutnicza 3, 81-212 Gdynia, Poland
tel. +48 58 78 12 800 / +48 58 78 12 828
fax. +48 58 73 30 123
comsea@comsea.pl
www.comsea.pl

Summary: Employing experienced marine electronics engineers Comsea Ltd focus on design of radio navigation (radar, DGPS, GPS, ECDIS), radio communication (GMDSS, MF/HF, VHF, UHF, NAVTEX) and electronic navigation (gyro compasses, autopilots, logs, echo sounders, anemometers) systems.
Our offer is directed primarily to institutions related to maritime economy, shipyards, fishing, yacht owners and users of land radio communication systems. We offer not only many years of experience, but also measuring equipment, extensive library of technical documentation and stock of spare parts.

Shipyard "ODYS" (Stocznia "ODYS" & Co.)
ul. Załogowa 6, 80-557 Gdansk, Poland
Tel: +48 58 52 20 703
Fax: +48 58 52 20 704
office@odys-yard.com
www.odys-yard.com

Summary: Shipyard "ODYS" specializes in building of new ships, ferries, river/sea multi-purpose container carriers, offshore vessels and constructing of bridges. Steel constructions (like completed ships, partially equipped hulls, ship sections, ship blocks and offshore constructions) are in portfolio of shipyard.

PBP ENAMOR Ltd
ul. Morska 85, 81-225 Gdynia, Poland
Tel.: +48 58 69 01 700
Fax: +48 58 69 01 701
enamor@enamor.com.pl
www.enamor.com.pl

Summary: PBP Enamor Ltd. is a commercial and production company which successfully implements modern solution in the field of maritime economy and air navigation systems. The company specializes in supply and provision of services, design and research of modern ship automation, communication and navigation systems. Enamor offers also delivery, installation and communication of the air navigation systems.

The major areas of activity include: research & development in the field of maritime industry, production of marine electronics devices, delivery of electronics, navigation and ship automation equipment and systems, delivery of military equipment and systems especially for the Polish Navy, Polish Army and Boarder Guard, technical expertise and service of equipment, guarantee and after guarantee repairs

The company mission is to promote the latest know-how and strengthen its position as a reliable partner through high quality of products and services being offered, as well as professional assistance.

Research and development activity is based on close co-operation with Gdynia Maritime University. PBP Enamor Ltd. carries out projects on engine room control and monitoring systems, as well as safe and economical operation of ship equipment. Enamor offers also delivery, installation and communication of th**e Air Navigation Systems**.

Navikon Group
ul. Soltana 6, P.O. BOX 1, 72-602 Swinoujscie, Poland
tel. +48 91 32 20 880
fax. +48 91 32 20 886
navikon@navikon.pl
www.navikon.pl

Summary: Nowadays Navikon SRY Ltd along with three other subsidiaries, Navikon Steel Ltd, NaviSafe Poland Ltd and Navikon Engineering Ltd forms Navikon Group.

Navikon SRY Ltd, leader of this group (150 employees) has a significant experience in maritime technologies, especially in shipbuilding. Main areas of activities are ship's general conversion and repair, new buildings of technical vessels, steel constructions for onshore and offshore industry, SPS - Sandwich Plate System and anticorrosion protection. ISO 9000:2008 certified by GL.

Navikon Steel Ltd (more than 70 employees) specializes in the following services: fabrication of steel constructions, steel works onboard vessels / steel conversions of vessels in the Port of Szczecin, fabrication of stainless steel and aluminum constructions as well as pipe works on stainless steel and normal steel piping system.

Navikon Engineering Ltd deals with mechanical and electrical works on ships in voyage and in ports.

Navikon SRY with Navisafe Belgium founded Navisafe Poland - a company specialized in servicing of lifeboat and launching appliances, annual and five yearly servicing, repairs of lifeboats and launching appliances. Certified by Bureau Veritas.

1.2 Romania

1.2.1 Governmental organisations

Summary: The most important national authority for research is National Authority for Scientific Research, included in Ministry of Education, Research, Youth and Sports. The rationale to establish the National Authority for Scientific Research emerged from the requirement to promote the development of the knowledge-based society. Given the relative large gap in research and technology development between Romania and the EU average, NASR assumed the mission to act as the executive manager of the Romanian government's decision to rapidly increase the public support for RTD towards the Lisbon "Three Percents for RTD" ambitious goal.

In compliance with the present legislation, the entities carrying out research-development activities are included in the national Research-Development System, which is made up of the assembly of public and private entities and institutions that have the R&D activity in their statutes.

Within this system, a distinct entity is the research-development system of national interest, which includes the following categories of public entities, accredited according to the Governmental Ordinance 57/2002:

a) national research-development institutes;

b) research institutes and centers of the Romanian Academy and of the thematic academies;

c) accredited universities or their departments;

d) research-development institutes or centers organized within national firms, national companies or regie autonomes of national interest.

Within the national research-development system, the following categories of entities and institutions are included:

A. Public entities:

a) research-development institutes, centers or stations organized as public institutions;

b) research-development institutes or centers organized within national firms, national companies and regies autonomes or the ones belonging to public central and local administration;

c) international research-development centers created on the basis of international agreements;

d) other public institutions or their components that have the research-development activity in their statutes.

B. Private entities:

a) research-development entities organized as firms;

b) firms and their components that have the research-development activity in their statutes;

c) private accredited universities or their departments.

The National Authority for Scientific Research has certain joints with departments for maritime developments in Ministry of Economy, Trade and Business environment and Ministry of Transports and Infrastructures.

Ministry of Economy, Trade and Business environment
Contact: Ion ILIE, superior counsellor
Email: Ion_Ilie@minind.ro

Ministry of Transport and Infrastructure
Contact: Profir IONITA
E-mail: ionita@mt.ro

Ministry of Education, Research, Youth and Sports
Contact: Beatrice PADUROIU, counsellor NASR (ANCS)
Email: beatrice.paduroiu@ancs.ro

1.2.2 Industry associations

Summary:
The main maritime association is Romanian Shipbuilders Association (www.anconav.ro). ANCONAV is a professional, non-commercial, collective, non-governmental and non-political organization aiming to promote relations and cooperation between trading companies and specialists in the field of shipbuilding and related activities for the purpose of consultation on matters of common interest in order to support and protect the interests of the members, to facilitate the exchange of information, the contacts with State, Government and legislative bodies and relations with abroad counterparts.
ANCONAV includes specialists and representatives of the trading companies in the field of shipbuilding industry and related activities, and will act together with its members and upon their request, in order to:
- defend the interests of own members in front of State bodies / authorities by empowering adequately the Association;
- support an active presence of the Association and its members in the specialized media;
provide the affiliation or collaboration with other similar organizations or foundations in the country or abroad;
- present the Association's point of view and to provide the cooperation with governmental and / or legislative bodies in drawing-up the drafts of Regulations or Laws related to shipbuilding activity;
- organize and broker the dialogue with local and abroad bodies and personalities in the specific field;
- facilitate the access to the information concerning external market trends in the field of shipbuilding;
- carry-out other activities that will be decided by mutual agreement in the General Assembly of the Association (ANCONAV).

ANCONAV - Romanian Association of Shipbuilders
Contact: Gelu STAN, executive director
Email: gelu.stan56@gmail.com

Romanian maritime ship-owners Association
Contact: Andrian-Sirojea MIHEI, president
Email: mihei@mihei.ro

1.2.3 Maritime research facilities

Summary: The main ship design and research companies are SHIP DESIGN GROUP Galati and ICEPRONAV Galati.
SHIP DESIGN GROUP Galati is a design, engineering and research company. The Company is offering a complete set of design and consultant services, starting with the earlier design stages up to workshop information. The full computerization of design process, powerful shipbuilding software including self-developing of software capabilities and good experience of its staff, maintains high quality level of design and research services. Also the company is able to supervise the ship during the construction.
ICEPRONAV Galati is a design, engineering and research company. The Company has a number of facilities fo research: towing tank, manoeuvring and sea keeping tank.
The universities with maritime specific faculties are: University Dunarea de Jos of Galati (Faculty of Naval Architecture, Offshore, Electrical equipment, Towing tank, Laboratory of ship structures analysis), University Ovidius Constanta (Installation and outfitting), Maritime University Constanta (Navigation and Naval transport, Bridge simulator), Naval Academy Mircea cel Batran Constanta (Faculty of Navy and Faculty of Navigation, Bridge simulator).

SHIP DESIGN GROUP Galati
Contact: Vasile GIUGLEA, general manager
Email: sdg@shipdesigngroup.eu

ICEPRONAV Galati
Contact: Alina FLOREA, general manager
Email: alina.florea@icepronav.ro

University Dunarea de Jos of Galati
Contact: Ionel CHIRICA, professor
Email: ionel.chirica@ugal.ro

Maritime University Constanta
Contact: Iordan NOVAC, professor
Email: iordan_novac@yahoo.com

Ovidius University Constanta
Contact: Eden MAMUT, professor
Email: emamut@univ-ovidius.ro

Naval Academy Mircea cel Batran Constanta
Contact: Mihail PRICOP, PROFESSOR
E-mail: mihail_pricop@yahoo.com

1.2.4 Maritime industry

Shipbuilding industry:
Products in 2009:
- Merchant Vessels (Tankers, Bulk Carriers, Anchor Handling Vessels, Tugs, Container Feeders, Dredgers, LPG, Offshore Supply Vessel, Yachts, Barges, Patrol Vessels, etc);
- Ship repairs & ship conversions;
- Naval Vessels.

The main Romanian shipyards are:
Daewoo Mangalia Heavy Industry (DMHI) - large maritime shipyard located at Black Sea coast, dealing in newbuildings and ship repairs;
Constanta Shipyards - large maritime shipyard located at Black Sea coast, dealing in newbuildings and ship repairs;
STX RO Offshore Tulcea - large shipyard located on the lower Danube, within Southeastern area of country - newbuildings;
Damen Shipyards Galati - large shipyard located on the lower Danube, within Southeastern area of country - newbuildings;
STX RO Offshore Braila - large shipyard located on the lower Danube, within Southeastern area of country - newbuildings and ship repairs;
Orsova Shipyards - located on the upper Danube, within South-weastern area of country - newbuildings;
Severnav Drobeta-Turnu Severin Shipyards - located on the upper Danube, within South-weastern area of country - newbuildings and ship repairs;
ATG Giurgiu Shipyards - located on the upper Danube, within Southern area of country - newbuildings;

In the offshore industry, the most important Company is GRUP SERVICII PETROLIERE (GSP) which performs offshore drilling, offering at the same time engineering and technical consultancy. The company operates its 5 offshore drilling rigs: GSP Atlas, GSP Jupiter, GSP Orizont, GSP Prometeu and GSP Saturn.

In the domain of operation of ships, the main Romanian ports are: Maritime and river Harbour Constanta, Maritime Danube Ports Administration Galati (River Harbour Galati, River Harbour Tulcea, River Harbour Braila) and River Shipping Company NAVROM Galati

Large shipyards
Daewoo Heavy Industries Mangalia
Contact: Vasile IORGA, President
Email: viorga@dmhi.ct.ro

Constanta Shipyard
Contact: Radu RUSEN, Managing director
Email: radu.rusen@snc.ro

STX Ro Offshore Tulcea Shipyard
Contact: Tudorel TOPA, Senior Vice-President
Email: tudorel.topa@stxeurope.com

DAMEN Shipyards Galati
Contact: Florin SPATARU, HR director
Email: florin.spataru@damen.ro

STX RO Offshore Braila
Contact: Laurentiu RUSINOIU, Senior Vice-President
Email: laurentiu.rusinoiu@stxeurope.com

Medium shipyards
Orsova Shipyard
Contact: Constantin BADOIU, Managing Director
Email: constantin.badoiu@snorsova.ro

Severnav Drobeta Turnu Severin
Contact: Cleonia COPACI, Managing Director
Email: cleonia.copaci@severnav.ro

Small shipyards
Shipyard ATG Giurgiu
Contact: Ion MOCANU, Executive Managing Director
Email: i.mocanu@shipyardatg.ro

OFFSHORE INDUSTRY
Grup Servicii Petroliere
Contact: Gabriel COMANESCU, President
Email: office@gspdrilling.com

SHIP OPERATION
Maritime Harbour Constanta
Contact: Ioan BALAN, General Manager
Email: mailto:apmc@constantza-port.ro

Maritime Danube Ports Administration Galati
Contact: Mihai OCHIALBESCU, General Manager
Email: manager@apdm.galati.ro

River Shipping Company NAVROM Galati
Contact: Constantin HARTAN, General Manager
Email: navrom@navrom.ro

1.3 Bulgaria

1.3.1 Governmental organisations

Summary: The Ministry of Education and Science (by National Science Fund) and Ministry of Transport, Information Technology and Communications (by Agency Maritime Administration) as well as private maritime companies are funding the research and innovation in the maritime sector. The National Program for Research, Development and Innovation is still in process of preparation. The funding for the maritime sector covering the following areas Shipbuilding, Ship Repair and Ship Conversion; Shipping, including Short Sea Shipping; Off Shore Marine Technologies; Environment Protection and Ship Safety; Port and Cargo handling operations; Advanced Transport and Logistics; Development of Research and Aerodynamics Laboratory in the Field of Natural Sciences
The main RTD programs and projects in maritime area are running by Technical University of Varna and maritime institutes of Bulgarian Academy of Science – Bulgarian Ship Hydrodynamics Center and Institute of Oceanlogy. Many of the projects are industry driven development projects.

Ministry of Transport, Information Technology and Communications
9, Dyakon Ignatiy str. Sofia 1000
Information: 02/940 - 9771
Lounge: 02/940 - 9640
phone/fax: 02/988 - 5094
Public Relations and Protocol Directorate
phone/fax: 02/940 - 9824
phone: 02/940 - 9301, 02/940 - 9534, 02/940 - 9620
Contact: Yasen Markov
Email: ymarkov@mtitc.government.bg

« Maritime Administration»
Ministry of Transport, Information Technology and Communication
9, Dyakon Ignatiy str. Sofia 1000
Tel.: +359 (0) 2 930 09 10
Fax: +359 (0) 2 930 09 20
e-mail: bma@marad.bg
Web page: www.marad.bg/

Ministry of Education, Youth and Science
Ministry of Education youth and Science of Bulgaria is the ministry charged with regulating and promoting the educational and scientific work in the country. It was founded as the Ministry of Popular Enlightenment in 1879 and existed under this name until 1947, after which it changed its name numerous times, the last change being made in 2009 from "Ministry of Education and Science" to "Ministry of Education, Youth and Science".
Bul. “Knyaz Dondukov” 2 A
Sofia 1000
Tel. +359 2 9217799,
Fax: +359 2 9882485

1.3.2 Industry associations

Bulgarian National Association of Shipbuilding and Ship repair
Bulgaria
9000 Varna
8 Drazki str.
Tel./Fax: +359 52 / 633 244
E-mail: info@bulnas.info
Contact: Elena Velikova

Main Objectives:

- To support the development of shipbuilding and ship repairing industry in Bulgaria and related activities.
- To represent and to protect the common interests of it's members in front of the state and the local authorities and administrations in the country, in CESA (Community of European Shipyards' Associations) and other international organizations.

Bulgarian Chamber of Shipping

Tel. + 359 52 919 985 ; +359 52 692 116
E-mail: bcs@buldata.com
www.bsc.buldata.com
Contact: Capt. Andriyan Evtimov

Summary: Bulgarian Chamber of Shipping was established in 1993 and seated in the town of Varna. It is a voluntary non-profit association whose purpose is to support, promote, represent and protect the interests of its members, as well as to contribute to the development of the national and international economical cooperation and the establishment of loyal relations in the Bulgarian shipping business.

Varna Scientific and Technical Unions (VSTU)
25, "Tzar Simeon I" str.,
Varna 9000
Phone.: +35952/630 631;
Fax.: +35952/630 533;
E-mail: nts@nts.varna.net
Contact: Nedelcho Vichev

1.3.3 Maritime research facilities

The development of the maritime sector is dependent on the availability of well-qualified human resources. The Technical University of Varna, Naval Academy "Nikola Vaptzarov", the University of Economics and the Free University of Varna, all located in Varna, are among the predominant institutions in Bulgaria that educate specialists and organize research activities for the maritime sector.

Technical University of Varna (TUV)
"Studentska" 1
9020 Varna, Bulgaria
Tel. +359 52 302444
Fax +359 52 302771
rector@tu-varna.bg
www.tu-varna
Contact: Prof. Dr. Ovid Farhi - Rector

Summary: Technical University of Varna is a state university with 8 Faculties and 2 Colleges. It was founded in 1962 under the name of Higher Institute of Mechanical and Electrical Engineering and the Research Institute was established in 1965. Today the Technical University

of Varna has an academic community of more than 500 lecturers and over 6000 students. The Faculty of Shipbuilding includes 3 departments: Naval Architecture, Marine Engineering and Heat Transfer Technologies.

The Department of Naval Architecture has research expertise in:
• Control of ship operation and safety by Computer on-board systems
• Structures and Reliability
• Ship design methodology - Optimization and CAD systems
• Ship Hydrodynamics

The research activities in Bulgaria directed to shipbuilding industry have been concentrated at the Technical University of Varna (TUV). Various studies have been performed for the Bulgarian ship-owner Navigation Maritime Bulgare, Ltd NAVIBULGARE), Bulgarian Shipbuilding Industry (BULYARD) etc.

High Technology Park - Technical University of Varna (HTP-TUV)
Contact: Prof. Dr. Sc. Peter Kolev
Studentska 1
9010 Varna, Bulgaria
Phone: +359 52 302486
Fax: +359 52303726
E-mail: Peter.kolev@tu-varna.bg

Summary: High Technology Park – Technical University of Varnais a multidivisional research center in which are concentrated scientific, research and design activities of Technical University of Varna. Technical University of Varna is unique Bulgarian state university specialized in high maritime education (Naval Architecture, Marine Engineering, Navigation, Operation of Fleet and Ports, Management). TUV and respectively HTP-TUV has significant support from Ministry of Education and Research and Ministry of Transport to provide expertise to the Bulgarian maritime industry in the light of the integration into European Union. Nowadays it is the main Bulgarian R&D unit providing shipbuilders with complex services in the design of sea going vessels. The R&D activities are coordinated with maritime institute of Bulgarian Academy of Sciences – Institute of Hydro and Aero Dynamics (known as BSHC-Bulgarian Shipbuilding Hydrodynamics Center) and Institute of Oceanology. On behalf of Ministry of Education and Science TUV acts as the Bulgarian representative in European Technology Platform WATERBORNE.

Bulgarian Ship Hydrodynamics Centre (BSHC)
Bulgarian Ship Hydrodynamics Centre,
9003 Varna, Kv. Asparuhovo,
1 William Froude St., P.O. Box 58,
Bulgaria
Tel. +359 52 370500
Fax +359 52 370514
Office@bshc.bg
www.bshc.bg

Summary: Bulgarian Ship Hydrodynamics Centre (BSHC) is a national research and development institute, member of the Bulgarian Academy of Sciences, operating on a non-profit basis. It was established in 1976 with the technical and financial support of the United Nations Development Program (UNDP) and the International Maritime Organization (IMO). BSHC is performing fundamental and applied research in the field of:
• Ship hydro- and aerodynamics, ship/propeller design and optimization;
• Water transport and ship navigation;
• Ocean and coastal engineering;
• Marine industry;
• Sustainable development and environmental protection;
• Marine information technologies.

In its scope of activity BSHC accomplish the functions of:
• Specialized Research unit of the Bulgarian Academy of Sciences with respect to development and transfer of technology, integration into EU and NATO, and the national defense industry.
• Experimental facility and consulting centre.
• Centre for education, post-graduate training and extended qualification.

BSHC has a well developed research infrastructure, including: Large multi- purpose laboratory complex with hydrodynamic test facilities, equipped with high-class measuring and computation techniques; Skilled and competent research and expert staff; Up-to-date numerical modeling software and systems; Laboratories for development of measuring devices and software for test automation; Data bases of model and full scale test and calculation data.

Institute of Oceanology
(Former Institute for Marine Research and Oceanology up to 1985)
First May Street 40, P.O. Box 152
9000 Varna, Bulgaria
Phone: +359 52 331 324
Fax: +359 52 370 483
E-mail: office@io-bas.bg
www.io-bas.bg

Summary: Institute of Oceanology was founded on 1st July, 1973 in Varna. Its scope of activities embraces: investigations on marine physics, chemistry, hydrology, meteorology and climatology, sea bottom geomorphology, hydrodynamics, litho dynamics, geomorphology of the coastal zone and creation of scientifically grounded norms for design, construction and exploitation of marine hydro technical and port structures with the aim to use effectively the Black Sea resources.

Bulgarian Maritime Training Centre
73 "Vassil Drumev" str.
Varna 9026, Bulgaria
Bulgarian Maritime Training Center
bmtc@bmtc-bg.com
www.bmtc-bg.com

Summary: Bulgarian Maritime Training Centre is the main organization for training of personnel employed in shipping and prepares them for Maritime Administration examinations and through the years has become a complete training source for professional certification. BMTC provides maritime training courses and seminars mainly. Other activities carried out are - Ship repairs and consultancy services; Internet providing; Publishing; IMO publications distribution.

Present activities:
Upgrading and revalidation training
Safety Training Courses
Tanker Operations:
Simulation - Navigation:
Simulation - GMDSS
Specialized Tailor-made Courses
Engineering Courses
Passenger ships familiarization training
Ro-Ro Passenger ships familiarization training

Nicola Vaptsarov Naval Academy
73 V. Drumev St.
Varna 9026
Bulgaria

Public Relation Office
Tel.: +359/52/552228
E-mail: public-rel@naval.acad.bg
Fax: +359/052/ 303 163, +359/052/552 225
www.naval.acad.bg

Summary: N.Y. Vaptsarov Naval Academy is the oldest technical school in Bulgaria. With its illustrous history and traditions in training sea specialists, N.Y. Vaptsarov Naval Academy is one of the symbols of Varna and Bulgaria in the world maritime community. At present, the Academy trains specialist for the Navy and for the merchant marine in all areas of maritime life. Research and development conducted at the Academy have established its reputation as a centre of maritime science and marine technologies.

N.Y. Vaptsarov Naval Academy maintains international contacts with similar schools and academies from the USA, Germany, Italy, Turkey, Ukraine, Romania, Poland, etc. The Academy is one of the founders and an active member of the International Association of Maritime Universities (IAMU).

1.3.4 Maritime industry

Shipbuilding yards

BULYARD – Shipbuilding Industry
South Industrial Zone
9000 Varna
Bulgaria
Tel. +359 52 613 192
Fax +359 52 613 179
E-mail office@bulyard,com
http://www.bulyard.com

Summary: BULYARD Shipbuilding Industry AD is the largest shipbuilding enterprise in Bulgaria. The company builds ships up to 100 000 DWT. Over 870 vessels for owners of 30 countries have been built for the long history of the shipyard. The product portfolio comprises of Tankers, Product Tankers, Bulk Carriers, General cargo vessels, Coal Carriers and Container carriers.

Facilities
Large Dry Dock - 237 x 40 x 7 m
- One Gantry Crane 800 tons
- Three cranes 80 tons each
- Max size of blocks L-16m, B-32m, weight max – 750 t

Small Dry Dock - 187 x 28 x 6 m
- One Gantry Crane 500 tons
- Three cranes 80 tons each
- Max size of blocks L-16m, B-24m, weight max – 450 t

Ship repair is the second largest activity in BULYARD shipbuilding industry. Other important activities in BULYARD shipbuilding industry are ship completions and conversions. Based on the special machines and facilities, BULYARD Shipbuilding Industry can produce different specific details in accordance with the customer requirements.

Rousse Shipyard J.S.C.
5 Matei Stoikov Str.
7000 Rousse,
BULGARIA
Tel: +359 82 883 701
Fax: +359 82 883 876
www.shipyard.rousse.bg

Summary: Rousse Shipyard was found in 1881. During that time in the yard the first steel ship in Bulgaria was built. Since then there were constructed non-propelled, crew and crewless, diesel-oil and dry cargo deadweight up to 1500 t., pullers and pushers with power of 3150 H.P., tankers for sea and river sailing with deadweight up to 5870 t., tankers with deadweight 3500 t. with an unrestricted navigation area and 5000 tdw.,dry cargo ships and container carrier 4680 tdw. The shipyard was producing dredges and harbor cranes. The shipyard deals with ship repair activities for river ships.

Facilities:
- 8 open assembly berths equipped with 15 t cranes.
- 2 covered hull assembly berths equipped with 10 t cranes.

- Synchronic lift with lifting capacity 1200 t. With the help of sailing equipment ships with max. lenght of 140 m. and self - weight up to 1500 t. could be launched.

Workshops:

- steel works, production of metal constructions
- boiler and pipe works
- electrical and electronic works
- mechanical works, repair of diesel engines and the manufacture of spare parts
- carpentry works
- insulation works
- tank cleaning, tank coating and anticorrosion works
- grit blasting and ultra high pressure hydro blasting works

Bourgas Shipyards Co. Ltd
Tel: 359 56 870 501; +359 56 853 365; +359 56 852 039
Fax: +359 56 852 303; +359 56 853 607
E-mail: bship@unacs.bg
www.bourgasshipyards.com
Contact - Dimitar Kimryanov

Summary: The shipyard has more than 50-years experience. Started as a small repair shop in 1948, it grew up into a modern shipbuilding and repair yard. Since 1970 the yard move from the its area at port of Bourgas to its nowadays territory where can be built vessels up to 25 000 tdwt.

New building facilities:
1. The lifting and launching equipment has been into operation since 1985. It is a transverse lift double deck type. The largest vessels that can be docked are with the following dimensions:
   - Docking weight 7000 t
   - Length 185 m
   - Breadth 26 m
   - Draught 5,5 m
2. Outfitting quay - 400 m long. It has two 16t and one 5 t Portal cranes, water and electric supply, CO2, acetylene and compressed air mains.
3. Hull erection is carried out on two building berths.
Building berth No.1 is 400x30m large.
Building berth No.2 is 250x36m large.
Both berths provided with four 16t portal cranes.
A new covered hull erection shop integrated with Berth No.1 is under construction since January 2006 and should be put into operation the same year.
4. An open-air store for steel material of 11000 sq. m.
5. Prefabrication line for cleaning and painting of steel material equipped with a plate straightening machine, a drying chamber, a shot blasting machine and an automatic painting chamber.
6. Steel prefabrication shop with two halls, each with dimension 108x36m is provided with 12,5t and 32t cranes.
7. The shipbuilding block is divided into 5 halls of 72x18 m, equipped with 5 t cranes, a hall of 72x30 equipped with 12,5t and 32t cranes.
8. A three floor building accommodates the administration of the company.

Repair facilities

- Three halls 72x18m equipped with 5t cranes.
- Two repair berths 220x24m equipped with 2 cranes of 16t capacity.

- Ship repair quay 420m long equipped with 2 cranes of 16t capacity.
- A three floor building accommodates repairs administration.
- The repair facilities are located in southern part of the shipyard.
- The ship lift serves both new building and repair facilities.

Ship Machine-Building JSCo
24 Devnya Str.
9000 Varna, Bulgaria
Tel.: +359 52 601083 / 234687
Fax: +359 52 601434 / 609607
E-mail: smb@smb.bg
www.smb.bg
Contact: Ivan Daskalov

Summary: Ship Machine-Building JSCo was found in 1962 by merging of small enterprises. For a short period of time the company has established itself as a leader in the production of ship equipment in Bulgaria and also became recognized in many European countries as a producer of unique steelworks. The production of ferroconcrete vessels goes back to 1940, when a joint Bulgarian-German enterprise was formed. Subsequently the assets of that enterprise became property of Ship Machine-Building JSCo and the company asserted itself as the sole manufacturer of floating ferroconcrete facilities in Bulgaria. In its almost sixty years of presence on the market Ship Machine-Building JSCo has produced over 350 floating facilities based on ferroconcrete hulls. Besides the production of new marine equipment Ship Machine-Building JSCo is involved in the ship repair industry.

The company maintains two slipways with five building berths for production of ferroconcrete hulls with the following specification:
- maximal length of the ferroconcrete vessel - 90 m
- maximal breadth of the ferroconcrete vessel - 15 m
- maximal height of the ferroconcrete vessel - 13 m
- maximal weight of the ferroconcrete vessel - 1800 t

Shiprepair yards

ODESSOS Shiprepair Yard S.A.
ISLAND ZONE
9000 VARNA,
Bulgaria
Tel: + 359 52 601 107
Fax: + 359 52 608 289
E-mail: commdept@odessos-yard.bg
www.odessos-yard.bg

Summary: Spread over an area of about 320,000 square meters, Odessos is the largest well equipped yard in Bulgaria suitable for repair and dry-docking of vessels up to 35,000 DWT and afloat repairs of vessels up to 150,000 DWT. It is assumed that the date of birth of the Ship repair Yard at Varna is the day of 1st September 1955 when the Dry Dock was commissioned. A well-equipped certified laboratory carries out all kinds of chemical and mechanical tests. The modern equipment and facilities as well as the high quality of services have established Odessos as a preferred partner on the international ship repair market, and nearly 95% of its customers are leading shipping companies from Europe, United States and Asia.

Facilities

- Dry dock No 1 - 198 x 28 x 7 m
- Dry dock No 2 - 237 x 40 x 9 m

MTG – DOLPHIN SHIPREPAIR YARD

8, "DRAZKI" STR.
9000 Varna
Bulgaria
Tel.:+359/ 52/ 602 074
Fax:+359/ 52/ 632 963
E-mail: info@dolphin1.bg
www.dolphin1.bg

Summary: The Ship yard is located on Varna Lake, 15 kilometers west of Varna, with unrestricted access to the sea.

Facilities

- Outfitting quay: 540 meters in length, 8 meters depth
  - 1 x 32 t, 1 x 12,5 t - gantry , cranes : 3 x 25 t, 1 x 8 tons lifting capacity
  - Oxygen, compressed air, fresh and sea water lines in all length
  - Steel, pipe, mechanical and electrical workshops
- Floating dock for vessels up to 50'000 t DWT
  - Length overall - 205 meters
  - Clear width - 30,5 meters
  - Lifting capacity - 18'000 tons
  - Cranes - 2 x 5 tons
  - Winches - 2 x 25 tons + 6 x 8 t

All necessary equipment for any kind of steel, blasting and painting (including hydro-blasting), mechanical, electrical and piping works on board and in workshops.

Total area: 24 049 m^2
Covered area: 4 323 m^2

Dockyard Port-Bourgas AD

KRZ Port Bourgas AD
”Industrialna” № 3,
Bourgas 8000, България
Факс: + 359 56 84 26 08
E-mail: office@krzport-bourgas.com
www.dockyard-portbourgas.com

Summary: Main activities are repair and reconstruction of vessels, marine buildings and equipment, cargo loading and unloading, port activities. Since 2002 the major customers of Dockyard Port-Bourgas have been foreign flag vessels, which compose 70% of the present repair works, accomplished at the dockyard.

Facilities: The dockyard has its own 220 m quay with maximum draft of 8 m. and also two portal cranes with lifting capacity of 2,5 and 15 tons.
The floating dock can handle all kinds of sea going vessels with the following characteristics:
Dock weight – up to 4500 tons including;
Maximum length – up to 115 m;
Maximum breadth – up to 18 m.

Shipping companies

Navigation Maritime Bulgare (Navibulgar)
1 Primorski Blvd.
9000 Varna, BULGARIA
Tel: +359 52 633 100;
Fax: +359 52 633 033;
www.navbul.com
E-mail: office@navbul.cfom

Summary: Navigation Maritime Bulgare (NAVIBULGARE) is the successor to a shipping company established in 1892. NAVIBULGARE is a member of the Bulgarian Delegation at the meetings of the International Maritime Organization (IMO), a member of BIMCO, BINSA, ICS, ISF, the Club 9000 Association, an associated member of INTERTANKO, a shareholder in INMARSAT and ICO - Teledesic Global Ltd. NAVIBULGARE also has its own services and an independent Agency.

Facilities: The Company fleet consists 77 vessels of different types, which trade all over the world. NAVIBULGARE is one of the biggest Shipowners in the region. Navigation Maritime Bulgare also maintains an auxiliary fleet.

Bulgarian River Shipping J.S.Co.
"Otetz Paisii " sq. No. 2
Ruse 7000, Bulgaria
Tel. +359 (82) 822 133
Fax +359 (82) 833 777
E-mail: main@brp.bg

Summary: Bulgarian River Shipping J.S.Co. was established on 17th of March 1935. The beginning of Danube navigation was set with opening a regular passenger and cargo line between ports of Ruse and Vidin with reconstructed steam tugboats "Vit" and "Osym". Nowadays Bulgarian River Shipping J.S.Co. is among the most prestigious and celebrated ship owners along the Danube river. The company transports cargoes among Danube river countries and transits them between Western and Eastern Europe – from Sulina and Constanta on the Black Sea to Main on Rhein river and vice versa.
Bulgarian River Shipping J.S.Co. offers the transportation of bulk, general, liquid and oversized cargoes. Agency services exists for Bulgarian and foreign flag vessels in all Bulgarian ports.

1.4 Cyprus

1.4.1 Governmental organisations

DMS – Department of Merchant Shipping

DMS was established and started functioning as a distinct entity in the Ministry of Communications and Works, in 1977. The service existed, however since 1963 and functioned under the Department of Ports. The establishment of the DMS inaugurated a new era of development for Cyprus in this important sector. The registration of ships became just a part of an all round effort to establish a sound infrastructure which would facilitate not just the registration of ships but also ship management and other shipping related activities in Cyprus. The Cyprus Registry has shown phenomenal growth in the last twenty five years. In the early eighties Cyprus ranked thirty-second on the list of leading maritime nations. It now ranks among the top ten with a merchant fleet exceeding 21.6 million gross tons.

The DMS is responsible for the development of maritime activities which include: registration of ships, administration and enforcement of the Merchant Shipping Laws, control of ships and enforcement of international conventions ratified by the Government of Cyprus, investigation of accidents involving Cyprus ships or Seafarers serving on those ships or foreign ships sailing within the territorial waters of the Republic, resolving labour disputes on board Cyprus ships and training and certification of seafarers.

The main efforts of the DMS are presently focused on the harmonisation of the Cyprus legislation to that of the European Union and its effective implementation in particular with respect to the improvement of safety standards and conditions of living and working of seafarers on board Cyprus ships in accordance with international conventions currently in force. At the same time, action is taken for the continuous improvement of the existing infrastructure, the incentives available to both residents and non-residents and the enhancement of the international reputation of the Cyprus flag as a maritime quality flag. Particular attention is also given to the protection of the environment against marine pollution through enactment of legislation and raising the society's awareness on environmental issues.

DMS is a strong supported that solution to maritime transport problems should be globally accepted and enforced in order not to inflict, but to provide sustainable European competitiveness. The voluntary participation of Cyprus in the IMO Audit Scheme and its success to become the first open registry which passed the audit successfully and the second country worldwide confirmed further Cyprus' support to IMO.

The DMS is an active member of the WATERBORNE^{TP} Mirror group since its creation at 2005 and currently together with the Cyprus Shipping Chamber (CSC) is working towards the creation of Cyprus Maritime Research technology platform (CyMAR). DMS is also a founding member of the recently created Mediterranean & Black sea countries maritime/marine technology platform (PTMB).Within the European Commission (EC) DMS participates in many EU studies such as MarNIS (Maritime Navigation & Information Services) by DG TREN, ECOTEC (An Exhaustive Analysis of Employment Trends in All Sectors Related to the Sea or using Sea Resources) by DG MARE, EMODNET (European Knowledge Infrastructure towards a European Marine and Data Network) by DG MARE.

DMS in order to promote maritime studies and the maritime professions as well as to raise public awareness about shipping in general circulates relevant information to all Cyprus secondary schools and organises many events such as "Cyprus Fishing & Boating Fair", "Maritime Week" and the "Day of the Sea".

Dr Stratos Georgoudis**,** MRINA, C.Eng, serves as a Ship Surveyor in the Department of Merchant Shipping (Cyprus) and as a assistant professor (visiting) at the Department of Maritime Studies (Frederick University). He got his BSc in Naval Architecture from Southampton University (UK) and he holds a PhD in Seakeeping & Hydrodynamics. He has also an HND in Marine Engineering from the Superior Maritime Academy of Aspropyrgos in

Greece and he has a sea service of 2 years, holding the Diploma of the third engineer in the Merchant Marine.
Dr. Stratos Georgoudis is actively involved in large European projects such as ´Impact Assessment for the adoption of CO2 emission trading for maritime transport´, where the overall objective of this project is to assess the possible environmental, social and financial impacts that are likely to arise from the adoption of a CO2 allowance trading scheme in three countries: Cyprus, Greece and Denmark, ´Technology Platform for Maritime and Marine Research, Innovation and Training in the Mediterranean and Black Seas´, where the objective is to activate synergies between national and regional authorities on RTD issues, among others.
Stratos is also a member of a team that represents Cyprus in the Mediterranean and Black Sea Waterborne Platform (PTMB). As a member of the DMS division responsible for ILO issues, he is also actively engaged in research on Occupational Health & Safety conditions and on the living and working conditions of seafarers.

Contact: Dr. Efstratios Georgoudis
Email: sgeorgoudis@dms.mcw.gov.cy

Research Promotion Foundation (RPF)
Founded in 1996, the Research Promotion Foundation was established at the initiative of the Government of the Republic of Cyprus, to promote the development of scientific and technological research in Cyprus due to the fundamental importance of research in contemporary societies. The Foundation is an independent organisation governed by a twelve-member Board of Directors, appointed by the Council of Ministers for a five-year period.
In January 2006, a collaborative agreement was signed between MIT, CREF/Cyprus Institute and the Research Promotion Foundation (RPF) in Cyprus, which provides for the mechanisms and the funds for the development of the Energy, Environment and Water Research Center (EEWRC).
The Agreement provides for the establishment of the EEWRC to address issues and problems related to energy, the environment and water resources of importance to Cyprus and the Eastern Mediterranean region. The RPF agreed to support and facilitate the development of the EEWRC and to provide Programmatic Funds for the LFEE CEEW program at MIT. The research and education program at EEWRC will, during the term of the agreement, be complementary to and coordinated with the CEEW Program at MIT's Laboratory for Energy and the Environment (LFEE).

The Research Promotion Foundation is organised in three units and is managed by its Director General . The three units of RPF and their main responsibilities are:

National Research Programmes Unit
Main Responsibilities: Monitoring of the National Framework Programme 2003-2006, Development of the National Framework Programme 2007-2010, Monitoring of the «Thematic Actions», «Industrial Research» and «Follow-Up» Programmes, Development of Initiatives for Enhancing Innovation, Creation of an Evaluators Database and an Electronic Proposal Submission System, Participation in the Evaluation Committee of the Programme for Development of New High Technology and Innovative Enterprises through the Incubators and the Cyprus Research and Academic Network.

European Programmes and International Cooperation Unit
Main Responsibilities: Organisation, Administration and Promotion of the 7th Framework Programme of the European Union, Coordination of The National Contact Points and the Programme Committee Representatives of the 7th FP, Administration of the «Participation in

Conferences», «Participation in ESF», «Cyprus EUREKA» and «Bilateral Cooperation» Programmes, and Official Representation of Cyprus in the organisations COST, ESF, EUREKA, INTAS and JRC.

Research Infrastructures Unit
Main Responsibilities: Administration of the «Research Infrastructures», «PENEK», «Foreign Scientists», «Distinguished Foreign Scientists», «Access to Foreign Research Infrastructures» and «Development of Research Activities within the Educational System of Cyprus» Programmes.

Strovolos Avenue 123
Post Code 2042
Strovolos
Nicosia
Tel: +357 22 205000
Fax: +357 22 205001
Email: ipe@research.org.cy
http://crpf.metacanvas.com/EN/

1.5 Czech Republic

1.5.1 Governmental organisations

General Information:
The Czech R&D system has undergone substantial changes since 1989, for instance a functioning system of grants and public tenders was set up. The scheme of the state support of R&D indicates that the R&D Council of the Government and the Ministry of Education, Youth and Sports play particular role in the state administration of the R&D. The necessary reform of state financing of R&D was mainly focused on changing its structure: financing realised via newly established grant agencies and tenders became more and more important.

Research and Development Council

The Research and Development Council of the Government is an advisory body to the Government of the Czech Republic according to the R&D Act. The scheme of the state support of the R&D system indicates that the R&D Council has the most important role in raising incentives to shape the Czech R&D system.

It should be also noted that results of the state supported R&D projects are monitored in the National system of R&D databases.

Ministry of Education, Youth and Sports

Ministry of Education, Youth and Sports (MEYS) bears the responsibility for participation of the Czech Republic in mulilateral and bilateral international cooperation (7th Framework Programme, COST, EUREKA, etc.) as well as for the participation of the Czech Republic in international R&D organizations (European Science Foundation, etc.).

The MEYS has a multi-facetted role in R&D, e.g. it administeres the programme „R&D Centres“ that currently covers 33 research centres. Each „Centre“ e.g. „Centre for integrated genomics“, is based on co-operation of several research institutes, universities and industry, which is supported by a considerably high budget.

A new position of a Plenipotentiary of the Government for the European research has been recently established at the MEYS.

Ministry of Transport

Summary: The Ministry of Transport is responsible for the transportation policy of the Czech Republic for 2005 – 2013. The Department for Navigation and Waterways is divided into three divisions (Division for Inland Navigation, Division for Maritime Navigation, Division for Conceptual Planning and Investments). There is no specific programme for maritime transport, shipbuilding or maritime technology research.

Contact: Vít Šimonovský (Director of the Section for Navigation)
Email: vit.simonovsky@mdcr.cz
http://www.mdcr.cz/en/HomePage.htm

Other ministries and institutions related to the R&D agenda

Name	Homepage
Ministry of Labour and Social Affairs	http://www.mpsv.cz/en/
Ministry for Regional Development	http://www.mmr.cz/index.php?lang=3
Ministry of Industry and Trade	http://www.mpo.cz/default_en.html
Ministry of Environment	http://www.env.cz
Ministry of Informatics	http://www.micr.cz/default_en.htm

Further general information on RTD in Czech Republic can be found on www.CzechRTD.info

1.6 Estonia

1.6.1 Governmental organisations

The two central organisations in Estonian R&D policy are the Ministry of Economic Affairs and Communications, and the Ministry of Education and Research. They are responsible for nearly all research funding streams and horizontal policies. Both Ministries have special Divisions working on innovation policy and research policy, respectively. The administering agency under the Ministry of Economic Affairs and Communications is Enterprise Estonia. The monitoring agency is the Ministry of Economic Affairs and Communications. Research programmes and projects funded by the Ministry of Education and Research are managed by the Estonian Science Foundation.
There are no special R&D programmes in Estonia in the field of Maritime Technologies. However, R&D projects are funded both through the Enterprise Estonia (mainly innovation projects but also applied research) and via the Estonian Science Foundation (mainly basic research but also applied research). Exact data about the amount of funding related to the maritime research is not available. An estimate of annual budget could be about 0.2 - 0.3 Mio. €.

Enterprise Estonia
Enterprise Estonia was established in 2000 and promotes business and regional policy in Estonia. EAS is one of the largest institutions within the national support system for entrepreneurship, providing financial assistance, advisory, cooperation opportunities and training for the entrepreneurs, research establishments, public and third sector.

Enterprise Estonia
Lasnamäe 2, 11412 Tallinn
Ms. Marju Mihkelsoo
Research and Product Development
Phone: +372 627 9524
marju.mihkelsoo@eas.ee
http://www.investinestonia.com/en/about-the-agency/enterprise-estonia

Estonian Science Foundation
The Estonian Science Foundation (ETF) is an expert research-funding organisation. Its main goal is to support the most promising research initiatives in all fields of basic and applied research.

Estonian Science Foundation
Endla 4, 10142 Tallinn, Estonia
Phone: +372 699 6210
E-mail: etf@etf.ee
http://www.etf.ee

Institute of Baltic Studies (IBS)
The Institute of Baltic Studies (IBS) is an independent non-profit research and development centre that aims at assisting the development of public policy in the Baltic Sea region by providing high-quality socio-economic analysis. With its activities, IBS aims at contributing to the increase of knowledge and understanding of the development challenges and opportunities facing Estonia in particular and Baltic Sea region in general. IBS main areas of expertise fall into three broad domains:

- science, technology and innovation policy, industrial economics and regional development;
- social cohesion policies in the areas of labour, migration and development, immigrant integration and gender aspects;
- policy analysis, policy and Programme evaluation and impact assessment studies related to the above.

Contact: Maria Habicht
Email: mari@ibs.ee

1.6.2 Maritime research facilities

TUT – University of Technology

Tallinn University of Technology (TUT) is committed to high level research and development in the field of engineering, technology, natural and social sciences. TUT has eight faculties, three colleges and three R&D institutions. Maritime related research is conducted in several faculties – like Faculty of Mechanical Engineering, Faculty of Information Technology, Faculty of Science, Faculty of Chemical and materials Technology and at the Marine Systems Institute. TUT owns infrastructure for R&D in mechanical and power engineering, oceanography (incl a research vessel), marine geology, coastal engineering, environmental engineering and related fields. Maritime related R&D is mainly funded through different projects in cooperation with enterprises and public agencies (like Maritime Administration), but also through the Enterprise Estonia and Estonian Science Foundation.

Contact: Prof. Urmas Lips
Email: urmas.lips@phys.sea.ee

1.7 Hungary

1.7.1 Governmental organisations

Summary: The Ministry of Economy and Transport represents Hungary in international meetings, is responsible for the development and maintenance of national public ports and cooperates with other ministries in issues related to inland navigation.
The National Office for Research and Technology (NORT) is a Hungarian organisation, under the Ministry of Transport, Communication and Energy, whose objective is to help Hungarian companies to increase the technological profile and to support them at their activities. NORT finances R&D projects on domestic and EU level. There is not a specific programme for the maritime sector but a button up approach.

National Strategic Research Program
Responsible: National Scientific Academy
Duration: 1 year (permanent)
Budget: 300 m Forint

National Research and Development Program
Budget: 300 b Forint (state fund)
Duration: 2009-2010

Ministry of Transport, Telecommunication and Energy
Akademia u. 3.
1054 Budapest
Hungary
Website:http://www.khem.gov.hu/en
Email: ugyfelszolgalat@gkm.gov.hu
Phone: 0036-1-471-8107

Ministry of Education and Culture
The Ministry of Education and Culture plays a key role in the formation and implementation of science and education policies. The Ministry supervises the entire state education system from elementary schools to universities, except the defence and police education institutions, thus it has full responsibility in providing human resources for the economy. The Ministry prepares and issues legislation governing the education system, creates development plans and ensures their adherence to quality standards. The Minister of Education and Culture is responsible for the pedagogical, professional and educational work of public, vocational and higher educational institutes. In the case of higher education institutes, the Minister pursues legal supervision including the allocation of their budgets. The Ministry is also responsible for the elaboration of government decisions concerning higher education, including setting qualification requirements for new programmes, authorisation, reorganisation and cancellation of university and college level programmes and accreditation of foreign higher education institutes in Hungary.
The Minister of Education and Culture decides about the allocation of the financial resources, manages the public administration affairs and provides for the publication of information concerning his tasks and area of responsibility. Along with the ministers concerned, he takes part in setting up the Human Resource Development Operational Programme of the Hungarian National Development Plan. Until June 2006, the Minister was also responsible on behalf of the Government to supervise the activities of the National Office of Research and Technology.

Website: http://www.okm.gov.hu/main.php?folderID=137

The Hungarian Scientific Research Fund

The Hungarian Scientific Research Fund (Hungarian abbreviation: OTKA) has been the major funding agency of basic science and scholarship since 1986 when the transition to competitive research funding started in Hungary. Its "founding fathers" modelled the principles of operation on the practice of German (Deutsche Forschungsgemeinschaft) and American research funds (National Science Foundation, National Institutes of Health). Upon a government decree, OTKA has been operating as an independent non-profit organisation since 1991. Its legal status and rules of operation were established in an act in 1993 and reinforced in 1997 by the Hungarian parliament in order to provide independent support to scientific research activities and infrastructure, to promote scientific achievements of international standards, and to provide assistance to young researchers. As an independent institution, OTKA reports to the parliament and the government of Hungary. With regards to the funds provided within the annual budget of the Republic of Hungary, the appropriations of OTKA are administered via the budget of the Hungarian Academy of Sciences. The administrative and financial tasks related to its operation are performed by the OTKA Office in Budapest.

Address:
H-1093 Budapest,
Czuczor u. 10. first floor
(Studium Office Building)
Phone (central switchboard):
36 (1) 219-8700
Fax: 36 (1) 219-8756
E-mail: otka@otka.hu

National Office for Research and Technology
The National Office for Research and Technology (NKTH) has a key role in developing and implementing Hungary's science, technology and innovation policies. NKTH supports financially and by institutional means the creation, dissemination and exploitation of new knowledge and technology. Its activity is financed by the Research and Technology Innovation Fund. This public funding is recycled by NKTH into the Hungarian economy by supporting R&D activities, primarily through its system of calls for proposals.

Address:	H-1117 Budapest, Neumann János u. 1/c.
Postal address:	H-1519 Budapest Pf. 506.
Phone:	+36 1 484 2500
Fax:	+36 1 318 7998
E-mail:	info@nkth.gov.hu

1.7.2 Maritime research facilities

Institute for Transport Sciences (KTI)

The objective of the Institute for Transport Sciences (KTI), as a national research institution, is to study, adapt and publish the theoretical and practical aspects needed for the development and operation of transport, to satisfy social and economic demands. During the past 10 years the Institute - in addition to surveys and specific studies - has carried out an average of 400 projects and research-development commissions annually.
The Institute’s permanent staff is 135. The Institute’s research capacity is ensured by its highly educated professional staff, by its work traditions, and by its sophisticated information base and laboratories. Fifty percent of employees possess a university or college degree,

and forty percent of them have two diplomas. About forty percent of employees are competent in at least one foreign language. 18 members of the professional staff have a university doctoral degree.
The Institute has established valuable databases, primarily through general and specific data collection activities carried out as part of the commissions received from the Ministry and from the road management sector.
Main fields of activities of KTI are Transport economics; Network design; Passenger transport; Logistics, freight services; Transport safety, traffic engineering; Environmental protection; Vehicle operation and maintenance; Road engineering and management, bridges; Research organization.

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1.8 Latvia

1.8.1 Governmental organisations

MoT – Ministry of Transport of the Republic of Latvia
Ministry of Transport is a leading institution of state administration of transport (railways, road traffic, maritime and aviation, as well as, passenger carriage and transit branches) and communication branches. MoT elaborates legal acts and policy planning documents regulating the branch. It provides the implementation of the transport policy.

The main tasks of the MoT:

- To elaborate state policy in transport and communications sectors (documents of policy planning) and coordinate its implementation,
- To provide the attraction of financial resources to implement the state policy in transport and communication sectors,
- To participate in elaboration of EU legal acts, identifying and defending Latvian interests,
- To elaborate legal acts regulating the transport un communication sectors and within the competence of the Ministry to provide their implementation and control

The objective of Maritime Department of the Ministry of Transport is to implement effective national policies on maritime transport sub-sector under international conventions binding on Latvia and the European Union's regulatory requirements and standards in the fieds of maritime safety, prevention of pollution from ships and facilitation of maritime traffic.

The Department coordinates the development of laws and regulations relating to the maritime subsector in order to ensure maritime safety, security and prevention of marine pollution according to international requirements.

Mrs. Laima Rituma
Director of Maritime Department,
Ministry of Transport of the Republic of Latvia

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Fax : +371 67331406
Email: laima.rituma@sam.gov.lv
Web page: http://www.sam.gov.lv/satmin/content/?lng=en&cat=134

Maritime Administration of Latvia
The Maritime Administration of Latvia is the arm of the government, under the Ministry of Transport, which has the overall responsibility for overseeing maritime concerns. The Administration is comprised of the Registry of Seamen, the Ship Register, the Maritime Safety Inspectorate, the Division for Investigation of Marine Accidents, the Ship and Port Security Inspection and the Hydrography Service.
Email: lja@lja.lv
Web page: http://www.lja.lv/

Ministry of Education and Science of the Republic of Latvia (IZM)

The Ministry ensures development and implementation of a policy in the fields of education, science, sports, youth and state language promoting sustainable growth of welfare of the citizens of Latvia as educated, healthy, physically and mentally developed personalities and integrity of the society of Latvia.

The Ministry strengthens and ensures provision of information to the public, explanation of the adopted resolutions and the link with the society by means of implementing the best practice of the administration process and transparent principles of operation of the state administration.

The task of provision of information to the public, explanation of resolutions and ensuring the link with the society refers to all the directions of operation defined for the purpose of achieving the goal of the Ministry (programs).

For the purpose of achieving its goal the Ministry implements operational programs in the following directions:

- General management of implementation of the policy of education, science, sports, youth and state language and composed measures;
- Policy, quality and management of general education, values education and interests education;
- Policy, quality and management of vocational education, continuing education and life-time education;
- Policy, quality and management of higher education and scientific activities;
- Sports policy and management;
- Single state policy in youth field developing and implementation of youth policy organizing and coordinating;
- State language policy and management.

The Ministry of Education and Science of Latvia is the leading state administration institution in the field of education and science, as well as in the fields of sports, youth and official language policy, and it shall be responsible for the development of draft legislative acts regulating the relevant fields and draft policy planning documents, supervision of the implementation of the policy in the state administration institutions, agencies subordinated to the Ministry. Ministry is responsible also for the setting of the research priorities. In cooperation with representatives of national economy fields 5 prior research fields for 2010 - 2013 for funding fundamental and applied research were accepted in Cabinet of Ministers meeting in 25 August, 2009:

- Energy and environment (technologies of producing and use renewal energy resources, technologies to reduce climate change, biological multiform);
- Innovative materials and technologies (IT, information and signal processing technologies, nanostructured multifunctional materials and nanotechnologies);
- National identity (language, Latvian history, culture and social security);
- Social health (prevention, medical, diagnostic means and methods, biomedical technologies);
- Sustainable use of local resources (entrails of the earth, forest, food and transport) new products and technologies.

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Investment and Development Agency of Latvia (LIAA)
The Investment and Development Agency of Latvia (LIAA) is a state institution subordinated to the Ministry of Economics of the Republic of Latvia. LIAA is the main public financing and expert organization for investment and technological development in enterprises in Latvia. LIAA finances industrial R&D projects as well as projects in research institutes carried out on behalf of enterprises. The objective of LIAA is to promote business development by facilitating more foreign investment, in parallel increasing the competitiveness of Latvian entrepreneurs in both domestic and foreign markets.
Web page: http://www.liaa.gov.lv/eng/home/about_us/about_us/

1.8.2 Private organisations

Nautical Enterprise
Nautical Enterprise has substantial and varied expertise in many areas of the maritime transport and logistics sector throughout Europe.
With over 40 years collective knowledge at our clients' disposal, Nautical Enterprise is a renowned and internationally respected firm that can provide the bigger-picture perspective necessary for strategic development in ports, shipping and transport logistics. Our Goals:

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Development Manger
Nautical Enterprise
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Tel.: +353 (0)21 743 1982; Mobile: +353 (0)86 793 1199

1.9 Lithuania

1.9.1 Governmental organisations

The main goal of the Lithuanian Science and Technology White Paper Implementation Programme is to promote the sustainable country development: to ensure a systematic long-term research and technological development, and to create the society, in which the importance of developing R&D and innovations are emphasizing as a key driver of economic growth and competitiveness of the country.
In Lithuania was created Lithuania Intermodal Transport Technology Platform for the realization transport development programs, including Maritime Sector development programs and research works for the preparation develop new Deep Sea Port in which included Shipping and Navigational Safety, ports and terminals optimization.

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Ministry of the Environment of the Republic of Lithuania CENTER OF MARINE RESEARCH
Tel: 370 46 41 04 50; E-Mail: CMR@klaipeda.omnitel.net

1.9.2 Industry associations

In Lithuania were created Maritime sector Associations:

Lithuania Stevedoring companies association:
Contact: dr., assoc. prof. Valdas Lukauskas –director, tel. +370-46-395572
Email: info@asoc.lt, webside: www.asoc.lt

Lithuania Ships building and ships repairing Companies association
Contact: Algirdas Renkauskas – director; tel. +370-46-490971
E-mail: LLSRA@ports.lt

1.9.3 Maritime research facilities

Klaipeda University
Klaipeda University is State University which has 7 faculties and 3 institutes and mainly in Lithuania deals Maritime industry research. In University 2 structures, which are oriented mainly on Maritime issues: Maritime Technology faculty and Maritime Institute (Web site: www.ku.lt).
KU is currently developing a strategy with the Maritime policy and research includes an innovation and technology stand.
KU is as Maritime programs Manager in:

- Maritime policy;
- Shipbuilding an innovation;
- Ports development and optimization;
- Ships and Navigational safety;

Contact: Prof. Habil. Dr., Captain Vytautas Paulauskas
Email: donatasp@takas.lt

Klaipeda Shipping Research Centre
Klaipeda Shipping Research Centre is a non profit public enterprice which mainly deals with Maritime safety, logistics, transport corridors, Motorways of Sea research.
Contact; Donatas Paulauskas; E-mail: pdonatas@takas.lt

1.10 Malta

1.10.1 Governmental organisations

Ministry for Infrastructure, Transport and Communications
Internal and External Transport (incorporating civil aviation, maritime transport, ports, the Freeport and land transport); Malta Communications Authority; Information and Communications Technology Strategy; National Identity Management - Public Registry - Land Registry - Civil Registration - ID Cards - Passports; Coordination of Major Government Projects; Coordination of Road Building; Maintenance and Landscaping

Ministry for Infrastructure, Transport and Communications
168, Triq id-Dejqa
Valletta - VLT 1433
Tel: 21 226 808, 21 250 685
Fax: 21 250 700
E-mail: austin.gatt@gov.mt
Website: www.mitc.gov.mt

MCST – Malta Council for Science and Technology
The Malta Council for Science and Technology (MCST) is a public body established by central government in 1988. The MCST was given the specific mandate of advising government on Science and Technology policy, today its remit has developed and MCST's tasks have expanded to include:

- The responsibility for National Strategy in the field of Research and Innovation (R&I) and the ownership of the National Strategic Plan 2007 – 2010.
- Responsibility for Policy in the area of Research and Innovation, MCST represents government in EU fora related to R&I.
- The management and administration of the National Research and Innovation Funding Programme.
- The responsibility as National Contact Organisation for creating awareness and providing support for EU's Research and Development Framework Programme (FP7).

Contact: Mrs. Moira Dillon
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Malta Shipyards

From the beginning of this legislature Government decided to privatise the dry-docks. This process is being managed by the Ministry of Finance.

After that Government, through the Ministry for infrastructure, Transport and Communication, had analysed all the strategic choices available, Government decided that the best option for dry-docks would be privatisation in order to be in a position to compete in international markets.

Privatisation will stop once and for all subsidies, and at the same time attract foreign investors to invest in and make a success out of the dry-docks, something we believe to be possible.

1.11 Slovakia

1.11.1 Governmental organisations

Summary: In January 2000, the Government approved the 'Update and Specification of the Principles of the State Transport Policy of the Slovak Republic' as the basic systemic document for the transport sector. The main strategic goal of the Slovak Republic's transport policy, arising from the principles of the European Transport Policy, is to secure conditions for long-term development aiming at sustainable mobility in the integrated use of all modes of transport. Special emphasis is placed on intermodality and support for more ecological modes of transport, i.e. rail transport, inland waterway transport and combined transport, as well as public transport, and for the creation of conditions to secure the accessibility of the Slovak Republic by air.

The Ministry of Transport, Posts and Telecommunications
Government strategic document focused on Transport development within the Slovak Republic for period 2010-2020. Strategy covers regulatory, legal and project activities provided by the Ministry of Transport, Posts and Telecommunications aiming to achieve modern, integrated and high quality transport infrastructure, transport services competitiveness and environmental, effective and secure transport easy available for users. The Ministry of Transport, Posts and Telecommunications evaluates progress on annual basis. Financial resources - state budget, OP Transport 2007-2013, T-TEN and private sector investments.

Ministry of transport, posts and telecommunications of Slovak Republic
Námestie slobody 6, P.O.BOX 100, 810 05 Bratislava 15, Slovak Republic

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Fax: 00421 2 5244 2013
Ing. Jaroslav Coplák - Head of Department
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Department of Waterborn Transport - Inland Waterway Transport
Fax: 00421 2 5244 2202
Ing. Matej Vaníček - Head of Department
Tel.: 00421 2 5949 4287, E-mail: matej.vanicek@telecom.gov.sk
Ing. Vojtech Sláčik - Deputy Representative of the SR on the Danube Commission
Tel.: 00421 2 5949 4484, E-mail: vojtech.slacik@telecom.gov.sk

http://www.telecom.gov.sk/index/index.php?lang=en

Slovak Academy of Sciences (SAS)
Stefanikova 49
814-38 Bratislava Tel: 02-57-510-208
SLOVAKIA http://www.sav.sk/

Transport Research Institute, Inc.
Velky Diel 3323
010 08 Zilina
Slovak republic
Tel.: 00421/41/5652 819, 5686 203; Fax: 00421/41/5652 883; E-mail: info@vud.sk

1.12 Slovenia

1.12.1 Governmental organisations

Ministry of Higher Education, Science and Technology (MHEST)
Few specific programmes in the directorate for technology at the Ministry of Higher Education, Science and Technology are still coordinated by the Ministry itself. In 2006, these include the following measures: the support to technology centres, support to innovation organisations and support to development projects. The implementation of these programmes should go to the Slovenian Technology Agency, once the Agency becomes fully operational.
Kotnikova 38
SI-1000 Ljubljana
SLOVENIA
Tel: 01-478-4600
http://www.mvzt.gov.si/

Ministry of Transport
- Cooperation in drawing up international agreements and cooperation in international organisations in the area of maritime transport
- Involvement and participation in European institutions formulating and guiding development of the maritime sector

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Slovenia
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http://www.mzp.gov.si/en/

Slovanian Maritime Administration
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Public Agency for Technology of the Republic of Slovenia (TIA).
Public Agency for Technology of the Republic of Slovenia (TIA) was founded by the Republic of Slovenia. TIA is an independent public agency responsible for the enhancement of technology development and innovation in the Republic of Slovenia. Main activities are grant programs aimed at technology development and foster cooperation of R&D institutions and universities with industry.
An important part of the activities are international projects. Through the cooperation with partners abroad TIA strives to develop new policies in technology development and services to the Slovenian industry.
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