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THE COMPANY

Polish Register of Shipping (PRS) is an independent expert company operating on the international market.

PRS assists – by formulation, survey and issuing respective documents – state administrations, insurers and customers to ensure the safety of people, vessels and floating installations, on-shore facilities, cargoes and the environment.


The name of Polish Register of Shipping may imply that their operations are solely connected with the ship industry and shipping. This is not the case, although the survey of ship construction and service is an important traditional area of PRS activities.

Over the period of more than 80 years, PRS has gained an enormous capital of knowledge and experience which allow for rendering a wide scope of services, including those having nothing to do with shipping. PRS competences and services are depicted herein.

Our offer is divided into six areas:

- » Ship Surveys,
- » Industrial Surveys,
- » Management System Certification,
- » Product Certification,
- » Engineering Related Consultancy,
- » Training Courses.





Polish Register of Shipping is among the few Polish institutions that operate under a special Parliamentary Act. The act of 26 October 2000 (Journal of Laws 2017, item 2036, consolidated text) constitutes that the Polish Register of Shipping is a classification institution operating as public interest institution. The profit made by PRS is entirely used for the development of safety standards.

AUTHORIZATIONS AND CERTIFICATES

Polish Register of Shipping is:

- » A member of the International Association of Classification Societies (IACS),
- » An Organisation approved by the European Union to perform surveys and inspections of sea-going ships,
- » A Classification Institution approved by the European Commission to perform surveys and inspections of inland waterways vessels,
- » An Organisation authorized by maritime administrations of Poland and tens of other countries to act on their behalf,
- » A body notified by the European Union (entry No. 1463),
- » An accredited body for the certification management systems.

PRS is a certified body in respect of:

- » IACS Quality System Certification Scheme,
- » AQAP,
- » ISO 9001,
- » OHSAS 18001.

More detailed up-to-date information on PRS authorizations is available on our website www.prs.pl, under screen mark „The Company”.

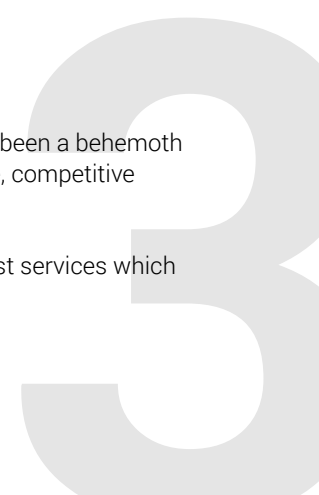
PRS also holds:

- » Industrial Security Certificate confirming the ability to protect classified information marked as: „CONFIDENTIAL”, „NATO CONFIDENTIAL”, „EU CONFIDENTIAL”,
- » Inspection Body Accreditation Certificate,
- » Accreditation Certificate for Products Certification Body,
- » Accreditation Certificate for Management Systems Certification Body,
- » EMAS Verifier Certificate,
- » Accreditation Certificate of Verifier performing activities in the field of Greenhouse Gas Emissions.

Why is PRS worth being chosen?

Another asset of PRS, in addition to the great expertise and experience, is also the fact that PRS has never been a behemoth striving for maximum profit. That is why each customer receives the ‘personal touch’ as well as reasonable, competitive prices compared to the rival companies.

We strive to be an optimum choice for the prospective customers and reliable partner in rendering specialist services which meet the customer’s expectations in respect of quality, environmental protection and technical reliability.



4 SHIP SURVEYS

PRS performs classification and/or statutory surveys of:

- » sea-going ships, including naval ships and special craft,
- » inland waterways vessels,
- » sea-going yachts,
- » motor boats,
- » floating docks,
- » mobile off-shore drilling units,
- » submersibles.



Classification Survey covers:

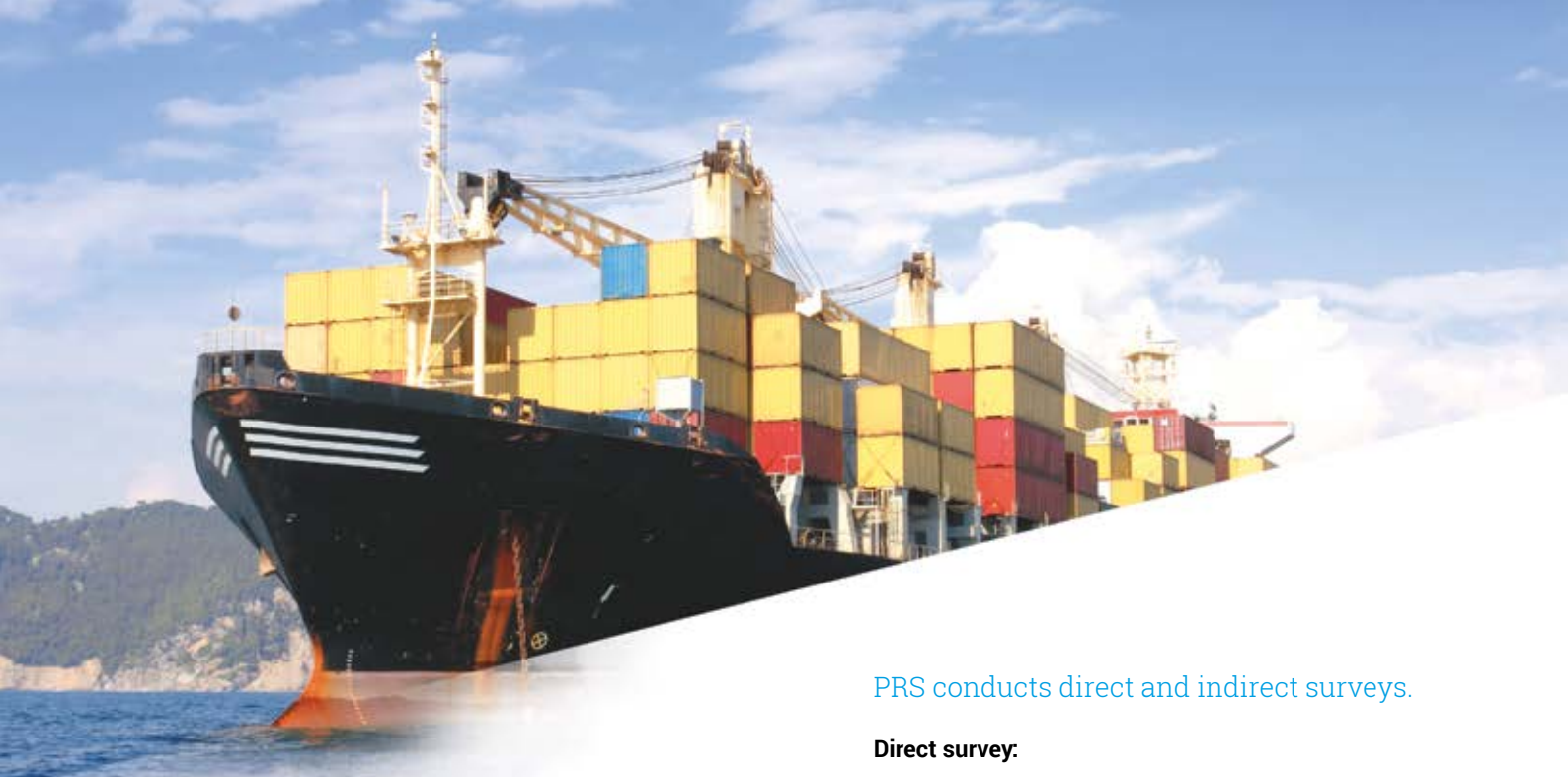
- » consideration and approval of technical documentation in compliance with the requirements of PRS Rules and regulations,
- » survey of the construction, modification and repair of the above mentioned objects,
- » surveys and inspections of vessels in service to confirm their compliance with the requirements of PRS Rules and regulations,
- » class assignment, issuance and confirmation of Certificates of Class as well as making entries in the Register.



Statutory Survey performed by PRS covers:

- » documentation approval in respect of the construction, installations and compartments on board the ship and surveys for compliance with the requirements of international conventions and codes and also EU directives and guidelines as well as the regulations of flag state administrations,
- » certification of marine environment protection equipment used for the prevention of sea pollution by ships,
- » MRV - complex service within the scope of Monitoring, Reporting and Verifying CO2 emissions,
- » approval, reclassification of Ballast Water Management Systems and approval of Ballast Water Management Plans, both for D1 and D2 Standards,





- » certification of the marine environment protecting equipment against pollution from ships, certification of life-saving arrangements, radio equipment, signal means, navigation equipment, fire protection arrangements, catching arrangements of fishing boats and lifting appliances,
- » survey of container construction and service as well as container approval,
- » verification of the mass of containers in maritime transport (Verified Gross Mass VGM) on behalf of the Polish Maritime Administration,
- » safety management certification for compliance with the ISM Code,
- » certification of security systems for compliance with the ISPS Code,
- » certification for compliance with the MLC Code,
- » ship tonnage measurement.

PRS also issues and approves the documents which are:

- » required for the carriage of grain,
- » required for the carriage of dangerous and noxious goods,
- » concerning cargo stowage and securing,
- » concerning crew spaces.

PRS conducts direct and indirect surveys.

Direct survey:

- » confirmation of conformity with specified requirements (PRS Rules, Standards, etc.) completed with the issue of PRS Certificate, e.g. PRS Certificate for machinery, electrical equipment, control/automatic systems.

Indirect survey is performed by:

- » Mutual Recognition Type Approval; issue of such certificate makes possible installation of the product considered onboard ships classed by another IACS Societies,
- » type approval of products or materials,
- » approval of manufacturing processes,
- » approval of manufacturing and repair plants, research stations, laboratories and measurement service suppliers,
- » verification of personnel involved in works related to the subject of PRS survey, e.g. welders, where such qualifications have effect on the safety of vessels.

PRS may also undertake the survey of existing floating objects and those under construction, modification, reconstruction or repair which are not subject to the regulatory requirements.

Upon the Owner's request, PRS may conduct survey on the Owner's behalf in the scope determined under the contract. Following the performed technical survey, PRS issues the Certificate of Fitness for Sailing or another certificate as specified in the contract.

CONTACT:
Ship Division
Commercial Bureau
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e-mail: om@prs.pl



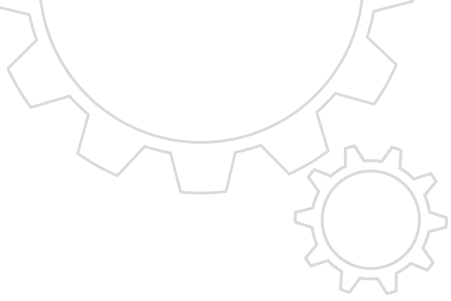


INDUSTRIAL SURVEYS

Since 1991, Polish Register of Shipping renders – by its Industrial Supervision Division – services of construction contract management as well as supervision of construction sites and construction works, repair and modernization works for technical infrastructure of onshore, offshore, inland waterways, and marine facilities, such as:

- » buildings, structures, industrial facilities,
- » environmental engineering facilities,
- » motorways, roads, streets, bridges,
- » hydrotechnical facilities,
- » booster and control stations, intermediate pumping stations, industrial plants, transmission systems for such energy carriers as gas, crude oil and oil products and for municipal media,
- » steelworks of: pylons, masts, tanks, platforms, ship superstructures,
- » facilities for energy production or facilities for mining energy resources, particularly off-shore ones, such as man-made islands and drilling units,
- » and others.





Scope of Services Rendered:

- » supervision on behalf of the investment financing institution in accordance with the Building Code, contractual terms and conditions as well as PRS regulations,
- » contract management, also in accordance with FIDIC contractual terms and conditions,
- » product approval for compliance with the delivery conditions or ISO standards for machinery, machinery components as well as industrial equipment and installations,
- » reliability and risk assessment for industrial facilities and processes,
- » development, based on the environmental and operational risk assessment, of health and safety management systems as well as environmental and operational risk management systems in industrial facilities,
- » development, based on the reliability and risk assessment, of operational management systems as well as equipment maintenance and renewal systems in industrial facilities,
- » assessment of technical condition of civil engineering constructions and industrial equipment,
- » periodical inspections of civil engineering constructions and buildings,
- » audits of building documentation and investment processes,
- » implementation of Quality Management System for building investment projects, development of management-and-inspection documentation,
- » current and final accounts of investment projects in factual and financial respects, including the accounts of financial aid.

Industrial Supervision Division also:

- » conducts periodical technical inspections of the maintenance of industrial plant installations both on land and off-shore,
- » conducts periodical technical inspections of floating stages and floating platforms, and issues respective **Certificates of Fitness for Sailing**,
- » confirms fulfilment of the requirement of repeatability of the qualitative features declared by the manufacturer, and issues respective **Type Approval Certificates**,
- » renders advisory and consultancy services, and conducts specialist supervision of the hydrotechnical facilities.

CONTACT:
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CERTIFICATION OF MANAGEMENT SYSTEMS

Management systems certification is being conducted by PRS since 1994 - we were the first body in Poland accredited for these activities.

We conduct accredited certification for compliance with:

- » **ISO 9001** – quality management systems,
- » **ISO 14001** – environmental management systems,
- » **PN-N-18001 and OHSAS 18001** – occupational health and safety management systems,
- » **ISO 22000** – food safety management systems,
- » **ISO/IEC 27001** – information security management systems,
- » **ISO 3834** – quality requirements for fusion welding.



We also conduct non-accredited certification for compliance with:

- » **ISO 50001** – energy management systems,
- » **EN 15224** – quality management systems for health care services,
- » **ISO 13485** – quality management systems for medical products,
- » **ISO/TS 16949** – quality management system for motor industry,
- » **ISO 37120** – sustainable development of communities - indicators for city services and quality of life,
- » and **audits for conformity with regulations on personal data protection.**

Verification of the Eco Management and Audit Scheme (EMAS) is performed under separate accreditation No. PL-V-0006 granted by the Polish Centre for Accreditation. Within this accreditation we perform audits in the field of waste management.

We conduct external audit of recyclers and waste holders issuing confirmation documents for packaging waste recycling or recovery as well as audits of electronic and electrical equipment recovery organization and treatment plant operators.

We also provide audits of management systems confirming compliance with the criteria of end-of-waste status.

Certification processes are performed by a highly qualified team of auditors of the Management Systems Certification Bureau of the Polish Register of Shipping who have considerable working experience. We provide services for customers from different business sectors: health service, public administration, construction industry, fuel and energy, mechanical, maritime as well as education and many others.

Our certificates are recognised worldwide.

Basing on our many years of experience and knowledge of international standards in management system certification, we also run relevant training courses. Their variety is described in „Training Courses” section (page 11).

CONTACT:

Certification Division

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e-mail: dc@prs.pl





Training courses – the variety of training courses related to product certification is described in „Training Courses” section (page 11).

PRODUCTS CERTIFICATION

[Product certification and conformity assessment with EU directives](#) have been conducted by PRS since Poland's accession to the EU in 2004.

We are a body notified by the European Commission (entry No. 1463) and this is the base on which we perform product assessment for compliance with the EU directives:

- » on marine equipment - **MED**,
- » on recreational crafts - **RCD**,
- » on personal protective equipment - **PPE**,
- » on pressure equipment - **PED**,
- » on simple pressure vessels - **SPVD**,
- » on electromagnetic compatibility - **EMC**.

We also certify machinery and safety components for compliance with the requirements of relevant standards harmonised with **directive on machinery (MAD)** and electric products for their conformity with **directive on low voltage equipment (LVD)** and we also assess products for compliance with **directive on general product safety (GPS)**.

[Certification of welders](#) covers qualification of personnel welding inseparable metal joints according to the requirements of ISO/IEC 17024:2012.

[Certification of factory production control](#) for steelworks and aluminium structures as well as aggregate is performed in accordance with EU Regulation No. 305/2011 on construction products upon the European Commission notification.

[Good manufacturing practices certification](#) is performed to verify the compliance with ISO 22716 standard „Cosmetics. Good Manufacturing Practices (GMP). Guidelines on Good Manufacturing Practices”.

[Verification of annual reports on greenhouse gas emission and assessment of monitoring plans and verification of annual reports on maritime transport greenhouse gas emissions](#) are performed by PRS as an accredited verifier performing activities in the field of GHG emissions (**accreditation No. PL-VG-0013**).

[Testing of products](#) that are subject to the assessment of conformity with the EU directives takes place in our own Testing Laboratory. Laboratory is accredited for compliance with ISO/IEC 17025 standard – accreditation No. AB 1431.

We also provide wide range of product testing services for customers like producers, importers and other persons introducing products on the EU market as well as for other notified bodies.

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ENGINEERING RELATED CONSULTANCY

PRS surveyors and researchers, who are well experienced in solving scientific problems of ship structure safety, develop tools to analyse and simulate the structural strength of floating objects, ship behaviour in waves, and the performance of equipment, which may affect safety.

To this end, the R&D Division collaborates with Polish universities of technology and maritime universities, research institutes, shipyards and design bureaus.

We offer ship owners and other interested business partners, software developed by our R&D Division:

- » **StabPRS** – an application installed on board a ship, tailored to the parameters of the individual vessel. The tool assists in day to day operations by controlling ship intact stability and strength parameters. The software also calculates ship stability in damage condition. PRS was awarded the Silver Anchor at the 2009 BaltExpo Fair for the product,
- » **StabPRS_barka** – an application for planning and quick assessment of stability and general strength parameters of a semi-submersible barge at each phase of its operation; the loading and docking of objects on board, their launching, and the towage operation. The software was honoured at the 2009 BaltExpo Fair,
- » **StabPRS_doki** – an application ensuring safe floating dock operations by calculating and verifying the compliance of general stability and strength parameters with the relevant requirements.

Our experts developed methods for calculating:

- » subdivision index,
- » curves of righting levers of floating objects (important for platforms),
- » developing ship models for MES calculations.

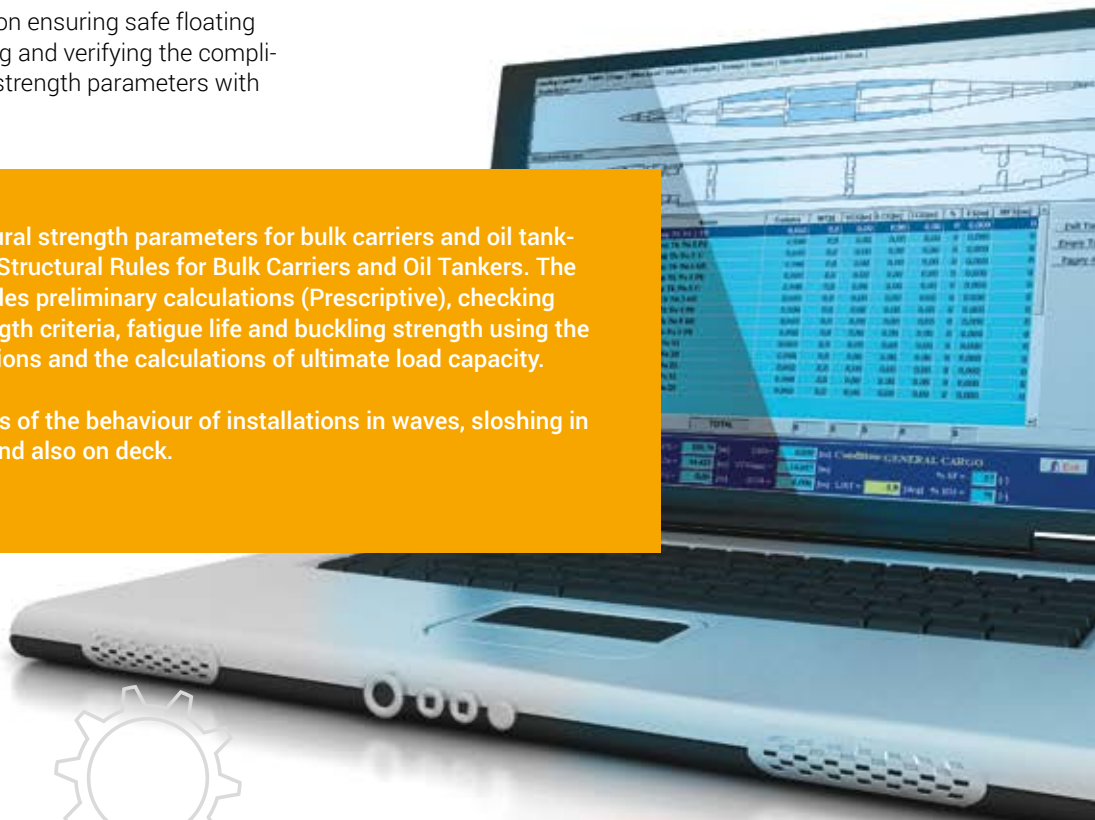
We perform safety analysis of loads acting on floating units, and unit strength:

- » strength calculations of floating installations,
- » preliminary design of customised floating installations,
- » strength analysis of dock-docked craft (ship) system.

We are ready to check the structural strength parameters for bulk carriers and oil tankers in accordance with Common Structural Rules for Bulk Carriers and Oil Tankers. The software developed in PRS includes preliminary calculations (Prescriptive), checking zone strength criteria, local strength criteria, fatigue life and buckling strength using the results obtained by FEM calculations and the calculations of ultimate load capacity.

We perform specialist simulations of the behaviour of installations in waves, sloshing in tanks, in damaged cargo holds, and also on deck.

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TRAINING COURSES

We share our knowledge and experience with our maritime business clients. For our in-house surveyors, we run a regular training scheme to continually upgrade their competencies and regularly update their knowledge of the latest binding regulations. Based on this extensive training experience, we provide open training courses in various areas of the society's specialisation.

Management systems and EU directive training courses:

- » requirements of standards ISO series 9000, 14000, 22000 and PN-N-18001,
- » competence of auditor/internal auditor for quality management systems, environmental management systems, occupational health and safety management systems, information security management systems and integrated management systems,
- » competence of Factory Production Control authorized representative,
- » requirements of personal data protection regulations,
- » requirements of EU directives on conformity assessment of products,
- » CE marking procedures.

Engineering and technology training courses:

- » engineering requirements in force, standards, conventions, codes, and rules in the maritime sector,
- » new regulations coming, or to come, into force,
- » technical requirements for marine structures, including containers and offshore structures,
- » structure related computations for floating units,
- » risk assessment.

Addressed to:

- » design offices, shipyards and ship owners,
- » ports and logistics companies,
- » forwarding companies,
- » insurers/lawyers and tertiary schools of education,
- » ship building industry companies and their suppliers,
- » maritime administrations and inland waterways administrations,
- » crewing companies and seafarers.

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