



PINHEIRO ALMEIDA

EXPERTISE AND TECHNICAL ASSISTANCE



CREDIBILITY AND SECURITY



WHO WE ARE

Sigma Consultoria was founded in 2003 by the engineer Mauricio Almeida, with more than 45 years of professional experience in Consulting and Judicial Expertise services in the Maritime, Naval Industry, Nuclear and Oil & Gas sectors.

In 2022, we developed the trademark Pinheiro Almeida Pericia e Assistência Técnica working as a technical team of associated experts in the segments of:

- Engineering of Oil, Naval, Civil, Electrical, Electronics, Intellectual Property, Accidents and Navigation facts; Asset Valuation, Vessel Valuation, Telecommunications, Environment, Work Safety, Materials Technology, Chemistry, Clinical and Dismantling of Offshore Units;
- Finance in the Actuarial, Economics and Accounting areas.



MISSION

Provide quality service to its customers, through an experienced technical team, to provide the best service of expertise and technical assistance

VISION

To be a national reference in Expertise and Technical Assistance on the industrial and operational area of Oil & Gas, Naval, Maritime and Infrastructure, until 2025.

VALUES

To provide and deliver excellence in service.
Constant training to improve capacity and knowledge;
Transparency in relations with customers and partners;
Professionalism in acting with modern and professional management;
Dynamism with a proactive and efficient attitude to active better results.

DIRECTORS



Mauricio Almeida

engineer with 45 years of professional experience, Judicial Expert of TJRJ, TFRJ, TJSP and Maritime Court.

Executive Director



Patrícia Almeida

Lawyer specialized in Civil Procedure and with extensive experience in Maritime Law

Legal Manager



OPERATION

We are an office structured to serve our clients in different areas of judicial expertise and technical assistance. We work in a coordinated manner, with a multidisciplinary approach, with the aim of allocating the best resources to take care of the specific demands of our clients, always working with highly qualified associate experts.

Multidisciplinary action allows us to meet customer demands in a customized way, enhancing our ability to understand the client business.

We have legal advice that allows the alignment between technical and legal aspects within the field of expertise, clearly defining the boundary between engineers and lawyers, aiming to provide the client with the most appropriate technical assistance.

Our associated experts have extensive experience and prominent positions in different areas. Our office offers 24-hour service, seven days a week.





ECONOMY

We develop, through our associated experts, clarification of controversial points through scientific technical studies through the instruments of financial mathematics and finance theory.

We can mention the analysis of Loan and Financing Agreements as the main area of activity | Housing Financial System - SFH; Inflation Purge and Monetary Update; Adjustment Calculations in Contracts | Contract Review; Interest | Capitalization | Amortization Systems | Interest Rates; Credit Cards | Guaranteed Current Account | Leasing Consortia; Business Economic and Financial Evaluation (Valuation); Determination of Assets (in total or partial dissolution of a Corporate Company) | Arbitration in economic and financial matters and labor calculations.



ACTUARIAL

Associate experts develop analysis of calculations of insurance claims, benefits, contributions, mathematical reserves, technical results, and issues related to the technical structure of the plans and we operate in surety bonds.



ACCOUNTING

Our associated experts work with a set of technical-scientific procedures aimed at bringing to the decision-making body the necessary evidence to support the fair solution of the dispute or fact finding, through an accounting expert report and/or technical-accounting opinion, in accordance with the legal and professional standards and with specific legislation where relevant.





NAVAL E MECHANICAL - INDUSTRIAL

Our experts and associated technical assistants are experts in contract management analysis, including EPC, docking execution analysis and offshore operations. Technical construction studies involving analysis of the scope, costs of contractual services and services outside the contractual scope, in addition to costs incurred because of customer interference. We highlight the strong performance in the analysis of claims management, which has already achieved significant results through the preparation of documents and support for insurance companies. Also noteworthy is the solid performance in Arbitration in National Courts (CBMA - Brazilian Center for Mediation and Arbitration and CBAM - Brazilian Center for Maritime Arbitration). We carry out evaluation of platforms, vessels, supply boats, ferries and tugs for sale and auction.



NAVAL E MECHANICAL - MILITARY

Our experts and associated technical assistants are experts in the design and implementation of Life Cycle Management (GCV) of military vessels, based on the ISO 15288:2015 standard, which divides the Life Cycle into design, development, production, operation, support, and dismantling. Preparation of technical specifications in response to RFPs (Request For Proposals) and RFIs (Request For Information). Development and Implementation of Integrated Logistics Support (ALI) for ships, which encompasses the Operational Period (PO) of the ship, the periods of maintenance of systems/equipment, including the General Maintenance Periods (PMG) and the Harbor Maintenance Periods (PMA). Planning and execution of Systems Acceptance Tests, including Ship Harbor Acceptance Tests (HAT) and Sea Acceptance Trials (SAT).



MARITIME ACCIDENTS AND NAVIGATION FACTS

Our experts and associated technical assistants work heavily in maritime accidents, water traffic safety, support to pilotage operations, environmental pollution control in maritime terminals, applicability of Maritime Authority Norms (NORMAM) and International Regulations to Avoid Collisions at Sea (RIPEAM). Analysis of the project management of maritime port terminals, regarding their requirements and operability. We develop and monitor Marine Warranty Survey activities with the competent technical opinion throughout the national territory and abroad. We act as experts for P&I clubs in marine suit accidents.





DISMANTLING

Consultancy and technical advice for companies in participating in tenders for the dismantling of maritime units. Consultancy and advice on the development of the Installation Manual for dismantling according to the European Common Market Parliament rules for companies.

CHEMISTRY

Pinheiro Almeida's team of experts and technical assistants have the necessary skills and ability to build up judicial and extrajudicial reports and qualified technical opinions about all of the following chemical products: abrasives, biofuels, rubbers, carbochemicals, glues, adhesives, dyes, defensive pigments, distribution of petroleum derivatives, industrial gases, metals, environment, petrochemicals, batteries, polymers, industrial chemicals, petroleum refining, textiles, paints, chemical transport and surface treatments.

ELECTRICAL / ELECTRONIC - PRIVATE / INDUSTRIAL

We operate in the electrical and electronic engineering segment with experts and associated technical assistants who have expertise in activities in the civil and military naval area, including the generation and distribution of power for 440 Volt systems and direct current control systems. We work in the specification of platform control systems (IPMS - Integrated Platform Management Systems) and communications and navigation systems (IBS - Integrated Bridge Systems). Identification of components and electronic circuit boards, in low and medium voltage electrical installations, both as building, residential, industrial or naval, in lightning protection systems (SPDA), for grounding systems and in photovoltaic generation systems and in electrical and electronic systems.

WORK SAFETY AND ENVIRONMENT

We act as experts and experienced technical assistants in risk management, analysis in compliance with Occupational Safety and Medicine Standards, Regulatory Standards - NRs 1 to 37, characterization of the unhealthy environment and its framing through NR-15, of hazardous activities and operations of according to NR-16. Analysis of the adequacy of the NR-12 certification for the implementation of e-social by the Federal Government. Our professionals also work in the environmental area in several segments of this market, especially maritime, naval, petrochemical, among others, in water and industrial effluent treatment systems in residential and industrial properties, maritime accidents among others, such as Coral Sol crustacean biofouling and NORM contamination.





QUALITY AND PATENTS

Our experts and technical assistants develop and/or monitor the implementation of Quality Assurance and Control Programs, as well as the execution of relevant Quality and Process Audits. These two activities, based on the use of appropriate methods and tools, will allow the qualitative and quantitative analysis of the product and/or services being executed, as well as the implementation of corrective measures and/or relevant improvements. Also used as tools for analysis of infringement in patented production processes giving clear positive or negative evidence. All activities are carried out by highly qualified professionals experienced in ISO 9000.

CIVIL

Our experts and associated technical assistants develop their activities in these evaluation segments: Urban and industrial properties, lease or contractual renovations and Rural Areas, Accident Pathology in infrastructure works, damages in the construction of damages to metallic structures caused by deficiency adequate anti-corrosion protection in industrial and maritime areas, implementation of new projects and overpricing of bids, financing and public works contracts with the support of the economics and accounting team.

CLINICAL

We have experts and associated technical assistants who work in the newest engineering segment, Clinical Engineering. Providing technical assistance and consultancy to carry out health technology assessment, study the conditions of health facilities and equipment environments, with a view to patient safety and carry out assessments of equipment and assets. Supporting the analysis of the adequacy of the NR-12 certification for the implementation of e-social by the Federal Government together with the team of our safety and electrical engineering team - electronics.

ENGINEERING - MATERIALS TECHNOLOGY

Pinheiro Almeida has high expertise in Materials Engineering and develops judicial and extrajudicial reports. Our professionals put forth their technical opinion analyzing possible controversies between the parties in the development of new materials, in the inventive activity of patents and also in the technical and structural aspects of materials. We operate in practically all sectors of the industry, such as petrochemical, steel, pharmaceutical, chemical, medicine and correlated. We evaluate new technologies in different segments, from civil construction, cement, glass, paints, ceramics, metal alloys, plastics, resins, metals and polymers, energy, mining, automotive to consumer goods and electronics.



SPECIALTY TECHNIQUE

Pinheiro Almeida's Office works with the most diverse engineering specialties (Naval; Offshore; Civil; Mechanics; Electrical, Electronics and Telecommunications; Patents - PI; Navigation Accidents and Facts; Vessel Valuation, Furniture and Real Estate (Residential and Industrial); Safety at Work, Environmental, Materials Technology, Chemistry, Decommissioning of Offshore Units, as well as in Finance (Economics, Actuarial and Accounting).

We operate in several segments of Construction, Ship Repair and Dismantling in the Naval and Oil, Onshore and Offshore, Infrastructure and Port and Operational of Vessels and Platforms sectors.

We establish a technical link between law and engineering / finance, collaborating with judges, lawyers and parties to clarify technical and legal aspects involved in lawsuits.

For this purpose, we have associated experts with senior professionals with more than 30 years of experience, registered in the main judicial courts in Brazil, both state, federal and administrative, as well as the Maritime Court.



QUALIFICATION CERTIFICATES

01. Implementation and Management of Offshore Support Base - Certificate of Technical:

- . Capacity of Offshore Support Base
- . Capacity for Quality, Safety and Environment Management in the P-17 and P-10 Maintenance contracts (Mac Laren Shipyard)
- . Quality Management Capacity in the Construction of Piers and Berths for Large Vessels (Mac Laren Shipyard)

02. Repair and Maintenance of Vessels (Bulk Carrier, Oil Tanker, PSV, AHTS among others)

- Certificate of Technical Capacity for Repair and Maintenance Management of Vessels (RENAVE shipyard)

03. Contract Management for Modification and Maintenance of Offshore Drilling Units (P-10 and P-17)

- Certificate of Technical - Mac Laren Shipyard:

- . Capacity for Consulting in Mechanical - Naval - Environmental Engineering in the P-17 and P-10 Maintenance Contract
- . Capacity for Quality, Safety and Environment Management in the P-17 and P-10 Maintenance contracts
- . Capacity for Quality Management in the P-10 and P-17 Maintenance Contracts
- . Capacity to Manage the Implementation of a Quality System in the Construction and Maintenance of Offshore Units
- . Capacity for Modification and Maintenance Management of Offshore Drilling Units P-17
- . Capacity for Modification and Maintenance Management of Offshore Drilling Units P-10

04. Budget Management and Technical Proposals for Maintenance, Repair and Construction of Offshore Maritime Units and Vessels (P-10, P-17, P-23, P-56, P-57, P-58, P-61, P-62 and P-63)

- Certificate of Technical Capacity for Budget Management and Technical Proposals and Several Offshore Maritime Units (Mac Laren Shipyard)

05. Construction Management (P-43, P-48 and P-51)

- Certificate of Technical Capacity for Construction Management of the P-51 (Keppel)
- Certificate of Technical Capacity for Quality Management in the Construction of Modules P-43-48 (KBR)
- Certificate of Technical Capacity for Quality Management in the Integration of P-48 Modules (KBR)

06. Expertise and Assessment


- Certificate of Legal Expertise (Lifting company)
- Assessment Certificate (Lifting company)
- Declaration of the TJRJ (Expertise in Mechanical and Naval Engineering)
- Certificate of Judicial Expertise
- Certificate of Technical Capacity Assessment Assistance (Bardella Engineering Contract)


07. Dismantling of maritime units - Certificate of technical training


- . Commercial consulting and technical advice from Mac Laren Oil in the competition for the dismantling of Cação 1, 2 and 3
- . Consultancy, and advice for the development of the Dismantling Facility Manual according to the rules of the European Common Market parliament for the EAS Shipyard
- . Coordination of the working group that developed the Entrepreneur's Guide for the Naval Technological Cluster and effective participation in the creation of the technical supervision council and the preliminary project for the recycling industry



GET IN TOUCH WITH OUR SERVICE TEAM

 Rua dos Inválidos, 123 Sala 419 - Centro
Rio de Janeiro / RJ

 +55 (21) 3900-5832

 +55 (21) 99963-3303

 contato@pinheiroalmeida.com

 www.pinheiroalmeida.com

