



August 2017

Name: Anastassios Copitsas
Nationality: Greek (EU) Passport: Greek
Work Permits: EU - EP Singapore - Malaysia

H/P: +60127703107

Tel. +6531585012 (ext.101) Email: tassoscacs@gmail.com

Executive Summary

1) Profile summary:

A Maritime professional, MSc. graduate Naval Architect-Marine Engineer and Surveying Engineer (National Technical University of Athens, Greece NTUA), with extensive working experience in executive and senior-level positions serving the Marine and Offshore Industry and working in multinational environment.

Served as Regional Manager for the Europe/West Africa Region of the American Bureau of Shipping / Group of Consulting Services from London headquarters, as a Technical Director and Fleet Manager of Multinational Ship Managements and Greek Shipowning Companies, and as an independent Technical Consultant and Project Manager for Marine and Offshore Industrial concerns including New Construction and Conversion projects worldwide.

Currently directing Technical Consulting Services providing professional expertise of Technical due diligence, specialty Engineering and Consultancy to multidisciplinary engineering objectives and multiplex demands of Capital intensive projects, with a rigorous and pro-active approach towards Risk mitigation, Value-adding, Compliance and Quality Assurance solutions.

Active in the International Trade and shipping, as well as in new Business development and Planning.

Services experience include the following:

AA) Specialized Services:

- Technical Due Diligence
- Project Contractual compliance and Financial risk assessments
- Evaluation of Ship Builder and Ship Design
- Shipbuilding Project Management for Contract Compliance: Design review, Engineering, Procurements, and Construction Supervision
- Shipbuilding Construction risk management
- Structural risk and operational risk assessment
- Shipyard Assets Valuation.
- Ship-born Emissions reduction technology – Cold Ironing

- Life extension (longevity) evaluation of Marine and Offshore assets
- Expert evaluation of Coating applications and Paint material for Marine and Offshore projects
- New installations and refits – design / engineering review and onboard applications
- Quality Assurance audits and implementation of QC procedures.
- Marine safety audits
- Vessel condition surveys, Pre-purchase surveys
- Warrantee surveys
- Commercial surveys
- Expert Witness and Inspection services
- Third party Verification services
- Review of Advance Structural and Engineering Analysis, or Independent Analysis, using advance analytical engineering tools:
 - o FEM
 - o Spectral Fatigue Analysis, Fatigue Life
 - o Dynamic Load Approach analysis (DLA)
 - o 2-D, 3-D Structural zooming Analysis o Loading analysis
 - o Buckling Analysis o Sloshing Analysis
 - o Ship Powering and Speed Analysis
 - o Tank Test and Sea Trials witnessing and Evaluation of results
 - o Vibration and Acoustic Analysis (design stage and trouble-shooting)
 - o Mechanical engineering analysis o Trouble-shooting

(BB) Value-Adding Services in the New Construction / Conversion and major Outfitting projects:

- (i) *Assessing and managing construction and operational risk*
- (ii) *Adding value to your newbuilding assets by applying technical due diligence and efficient and rigorous project management including assurance of compliance, mitigation of contract and construction risk from design development to construction and delivery.*

(CC) Value-Adding Services in support of Fleet Management objectives:

Operational and capital risk-based asset management applications using applicable methodologies of assessment and analysis as follows:

- *Assessments prior to acquisition of new and old marine and offshore assets*
- *Assessments of Fleet / vessel operational readiness including: (i) operational capability, (ii) maintenance, (iii) refit and (iv) procurements*
- *Operational capability engineering prognosis for asset life-cycle management of vessel/Fleet*
- *Risk-based Physical Asset Integrity Management Approach*
- *BWM-T systems: Retrofit and New Installations for compliance with IMO and EPA/USCG Final Rule*
- *Emissions Compliance - new installations and retrofitting Green technologies*

(DD) *Services in support to Industrial disputes over complex contentious and non-contentious matters of the Marine and Offshore Industry:*

- *New Construction, Conversion, Drydocking Repairs/ Refitting, S&P, MOA/MOU/ Contract related: Disputes and arbitration*
- *Marine Insurance disputes (Cargo insurance, H&M, Builders' insurance, P&I cover).*
- *Various other contentious shipping matters (charter-party disputes, bunker disputes)*
- *Various other non-contentious shipping matters (advice on design and construction disputes in*

shipbuilding contracts, ship or oil rig management contracts and related warrantee inspections)

2) Accountabilities in current position:

Responsible for the worldwide activities Marine Services based in Singapore, the maintenance of the quality in ISO environment, the quality of all technical services and works of the Company worldwide, the technical and human resources, and the financial control. Active new Business developer with comprehensive marketing and promoting new services of high value in support of Client's needs which maximize the value of their investment. Research and development includes objectives of Advance Engineering, Risk-based Asset Management, Marine and Offshore Assets life extension, Consultancy on HSEQ policies and Evaluation and retrofitting of newly developed Green technologies. Acting Project Manager, Technical Negotiator, Technical Advisor and Coordinator between clients and vendors as well as the regulatory bodies and overall monitoring and control of worldwide operations.

3) Indicative experience in managing Technical Services at senior level

- Appointed Technical Consultant of the Algerian Oil and Gas Public Company Sonatrach Petroleum Corporation BV and its affiliate Hyproc S.C in the provision of services in Shipbuilders evaluations and the Management of New Construction projects.
- Appointed Technical Consultant in the Life extension of LNG "Golar Freeze" (for GOLAR LNG- ENRON).
- Appointed Technical Consultant by SNAM SpA in the Life extension of the LNG Fleet.
- Appointed Technical Consultant of Bergesen (BW Group) in the Condition Assessments and Life extension evaluations of the Fleet of older Gas Carriers.
- Appointed Consultant of Buyers (AVIN Corporation Int'l SA) in the Valuation of the tangible assets of Mykolaiv (Nikolayev) Chernomorsky Shipyards Plant in Ukraine.
- Appointed Technical Advisor to RBS Bank UK in the financing of conversion projects of Clough Australia
- Appointed Technical Advisor to City Bank Poland for Maritime financing projects
- Developing advance engineering analysis and applications towards risk-based structural evaluations (ABS Houston).
- Appointed Technical Consultant by SAIPEM on Safety Case of semi-submersible oil rings (ABS MS London)
- Developing services in managing numerous New Construction and Conversion projects, in advance Engineering, in ship Condition evaluations, Project management, Technical due diligence and Expert witness services for Marine and Offshore Industrial concerns.

4) Educational Credentials

MSc. degree in Naval Architecture & Marine Engineering and Surveying Engineering (graduate NTUA, Athens).

5) Referees:

Name: Cris Wiernicki
Position: CEO-President
Company: American Bureau of Shipping
Tel: +1-281-6732800
Email: chris.wiernicki@eagle.org

Name: Magnus Karlsen
Position: Owner / Director
Company: Norbulk Shipping
Email: Magnus.Karlsen@norbulkshipping.com

6) Copies of relevant qualifications: Upon request

CURRICULUM VITAE

Name/Surname: Anastassios Copitsas.

Nationality: Greek

Present Work Address: 100 Tras Street, AM100, #16-01, Amara Corporate Tower, Singapore 079027

Contacts: Email: tassoscacs@gmail.com HP:+60127703107

Qualifications: MSc Diploma in Naval Architecture and Marine Engineering, BSc Diploma in Surveying Engineering, Graduate of the "National Technical University of Athens", Greece ("NTUA- Metsovion"), Chartered Engineer, MBA (Exec.) London Business School, Combined motor-steam Class B Certificate of competency.

Training & courses: Received training courses and certificate in Quality Management Systems (ISM/ISO) as Lead Auditor. CAD design, Production and Planning, Quality Assurance /Quality Control. Integrated Ship Management Systems, American Bureau of Shipping "SafeHull", Ship Structural Analysis,IT/ computer applications.

Summary of Experience:

Thirty years of activity and working experience in executive and senior positions serving most fields of the Marine and Off-shore Industry and working in multi-national environment. He has served as Regional Manager for Europe, Middle East and West Africa Division of the American Bureau of Shipping-Group of Consulting Services, as a Technical Director and Fleet Manager of Multinational Ship Management and Greek Shipowning and Shipmanagement Companies as well as Technical Consultant and project manager in Marine projects including Newbuildings worldwide. He has working knowledge of Ship Statutory, Regulatory requirements and Ship Classification rules applicable to all types of vessels and vessel Operations, as well as HSEQ and HR/ Manning International requirements and policies. He has been directing Technical and Marine Consulting Services providing expertise in multidisciplinary objectives of the Marine and Offshore Industries, as well as the application of modern risk management techniques in handling project management and execution of capital intensive projects, or projects of higher engineering complexity. He has been conducting solid market research and financial analysis of potential projects, handling project execution technical and commercial management in the maritime sector and complete project management.

Position Held / Duties:

Previous / 1/2000-1/2010: ACS Marine Services Ltd, London, U.K.: Managing Director.

Recent: 1/2010-2017: ACS Marine Services (Asia) Pte. Ltd. Singapore: Managing Director.

Responsible for the worldwide activities of the Company, the new Business Development, the maintenance of

the quality in ISO environment, the quality of all technical services and works of the Company worldwide, the technical and human resources, and the financial control. Active Project Manager, Technical Negotiator, Marine Consultant and Technical Advisor and Coordinator between clients and vendors as well as the regulatory bodies and the overall shipping operations, monitoring and control of worldwide projects. He applied R&D in high value new services in support of Client's needs and employed comprehensive marketing in promoting new projects which maximize the value of investment. This includes handling of intensive capital handling Management objectives in new Ship Construction and Conversion projects, Ship Life Extension evaluations, Ship Retrofitting/Drydocking/major R&M projects, Shipmanagement, Project and Operational Risk, Ship condition, S&P due diligence, H&M and damage claims/ expert witness surveys worldwide for major shipping clients.

New Business Development and Major Projects: New Construction of Ships including Tankers, Gas Carriers, Bulk Carriers, Container Ships, General cargo and Reefer vessels, advance engineering, Design evaluation, Detail Plan Review, Advance Structural analysis, Project Management and Technical Coordination, Site Supervision, Technical evaluations of Shipyards, Assets Valuation of Shipyards, Project Risk assessors for financing bodies / Banks, HSEQ Audits, Expert Inspections. Repair and conversion projects and dry-dockings worldwide. Vessel condition and commercial surveys. Shipmanagement, Shipping and Trading activities.

Other Company activities: Third party Shipmanagement, Charter-in tonnage and Trading of Energy Commodities (Fuel, Ore, Coal).

Indicative Projects:

- Sonatrach P.C, Public Company of Oil and Gas of Algeria: Design assessment project management and supervision in new construction of 315,000 DWT VLCC (very large crude oil carrier), at NACKS, P.R. China.
- "Sonatrach P.C", Public Company of Oil and Gas of Algeria: New Construction of 3x59,200 cum LPG/NH₃ Carriers (Liquefied Petroleum Gas and Ammonia Carriers) at Kawasaki S.C. Japan. Design assessment, project management and supervision.
- "Sonatrach P.C", State Company of Oil and Gas of Algeria: New Construction of Very Large LPG Carriers of 84,000 cum capacity at KSC Japan. Design assessment, project management and supervision.
- Sonatrach P.C": Prequalification assessments of various shipyards in Japan ((Mitsui, Mitsubishi, Hitachi, Kawasaki) and S. Korea (Daewoo, Samsung, Hyundai) for the construction of series of VLGC for the Algerian Oil and Gas State Company.
- "Ottavio Novella" Italy: New Construction of IMO type 2 Chemical Tankers. Design assessment, project management and supervision.
- "Atlantica Shipping"-Atlantica Shipping"-Norway and "A.M. Nomikos Transworld Maritime Agencies"-Greece: New Construction of Handymax Bulk Carriers at Dayang / Sinopacific Group of Shipyards in P.R. China. Design assessment, project management and supervision.
- "Gleamray" Crece: New Construction of handymax Bulk Carriers at Tsuneishi Japan /Cebu. Design assessment, project management and supervision.
- "NIKI Shipping"-Greece: New Construction of 2,500 TEU Container carriers at Jurong Shipyard
- Singapore. Design assessment, project management and supervision.
- "Hartmann A."-Germany: Design review and management of New Construction of AHTSVs
- (Anchor Handling and Tug Service vessels) at Colombo Shipyard.
- "CMM" Greece: Engineering in new 82,000 cum LPG carriers in Hyundai S. Korea.
- Qatar Gas: Project Management of Series of construction of 125,000 cum LNG Carriers in MHI

- and Mitsui Shipyards in Japan.
- Exmar BV: Series of construction of 150,000 cum LNG Carriers in Daewoo S. Korea.
- Longevity evaluations / Life extension retrofitting of LNG C Golar Freeze (for Gotaas Larsen)
- Longevity evaluations of the LPGC Fleet of Bergesen Dy AS Norway
- Longevity evaluations and retrofitting of LNG Snam Elba, LNG Snam Palmaria (Snam Italy)
- Longevity evaluations of LPG Carboflotta (Carbofin Italy).
- "Citibank"- Poland: Technical Advisor to the Bank for the project financing in new vessel constructions.
- "AVIN International"-Greece: Assets Valuation and Technical Assessment of Chernomorski Shipyard Mykolaev, Ukraine. Design assessment of Tanker vessels and feasibility of yearly production for New Construction of same type/ size of Tankers.
- Worldwide Pre-purchase condition assessment Surveys of various types of vessels for clients.
- NORBULK SHIPPING: FEA /Advance engineering analysis, specifications review, design review, technical due diligence and negotiations in newbuilding project.
- Various Pre-purchase condition assessments, drydockings, ship retrofitting, ship conversions, ship repairs, expert witness and special Engineering services applied to various types of Vessels including VLCCs, Product Tankers, Chemical Carriers, Gas Carriers, Bulk Carriers etc.

Previous assignments and duties:

1/1996-9/1999: **American Bureau of Shipping / ABS Group/Consulting Services: Regional Manager for W. Europe / Africa:** Marine Technical Consulting and Engineering services in ISO 9001 environment.

Responsible for the Business Development and all Group activities of the Region, the maintenance of the quality, content, the consistency and continuity of all the technical work, the technical resources in the Region and the Financial control. Also for developing short and long range business plans and staying actively informed concerning Shipping business, Ship Management aspects and Regulatory developments affecting present and potential marine clients and ensuring that assigned positions are organized and staffed appropriately and that the Quality System Procedures and ABS Group Policies are followed.

Type of services: Marine and Off Shore Technical Consulting Services, Advance Engineering and Technical support. Type of services included: Project management, New Ship Constructions, Supervision, Surveys, Advanced Structural and Engineering Analysis, Engineering Verification,, Off-Shore Safety Cases, Concept design, Design Review, Tender analysis and Detail specifications, Plan Review, Technical negotiations in New Constructions, Implementation of Quality Management Systems, ISM/ISO 9000, ISO 14000 New Construction of , Environmental management, Ship Management Information Systems, Ship Condition surveys, Feasibility Studies, Longevity / Life Extension Evaluations of intensive capital ship assets (LNGC/LPGC), Regulatory Compliance, Pre- purchase surveys, Ship Condition evaluations, Condition Assessment Program (CAP) and SafeHull structural analysis for Tankers, Bulk Carriers.

Off-Shore projects: Drilling rings, semi-sub Safety Case development, Offshore project engineering analysis and feasibility studies, Tanker Ship conversions to FSU, FPSO, etc.

Past assignments and duties:

BLUE FLAG NAVIGATION LTD., PIRAEUS, GREECE. Technical Department Executive, Newbuilding Projects Manager of Aframax and Chemical Tankers Newbuildings at Constanta and Mangalia Shipyards in Romania.

BOSTON OCEAN CARRIERS INC., CT/USA: Technical Manager of a Fleet of VLCCs, Aframax tankers and OBO Vessels. Organizing and control of fleet budgets, operational efficiency, compliance with the regulatory bodies requirements, quality and safety policy consistency, crewing and training etc, as well as dry dockings and hull and machinery repair and maintenance works. Expanding relations with Owners and Charterers in promoting Company's new business in chartering-in vessels and in third-party Shipmanagement.

V-SHIPS (MC), V-SHIPS (Cyprus) LTD.: Fleet Technical Manager. Tankers and Chemical Carriers: Overall technical control of the operational and budget functions, the effective application of quality management systems, the implementation of the Safety systems policy, applications of IT systems and compliance with the regulatory body's requirements. Involved in extensive steel renewals, major main engine repairs and retrofitting/upgrading works of machinery and hull systems, various modifications and new system installations. Liaison with Clients and coordination and research and active marketing for new business opportunities.

VROON BV, Breskens, Holland: Newbuildings Supervisor: 2xAframax Tankers at Brodogradiliste I Tvornika Split Shipyard, Croatia.

AVIN CORPORATION INT.L SA, Piraeus, Greece: Newbuildings Site Management and Supervision of construction of 3x40,000 DWT Product Carriers built at MHI Nagasaki.

SOCIETE DE GESTION "EVGE" SA, La Tour de Peilz, Switzerland: Fleet Superintendent. Technical attendance and operational performance control of the Company's Fleet of Liner vessels including Container ships, Ro-Ro, Multi-purpose Cargo ships.

SPRINGFIELD SHIPPING S.A. (Onassis Group), Piraeus, Greece. Seagoing Engineer on Tanker and Bulk Carrier.

END.