

Advanced Principles in Ports & Marine Terminals Management, Operations & Safety

Management, Operations & Safety

Proposal for a 3-day in-house training course for:

TURKEY TRAININGS

This course is designed, developed, and will be delivered under
ISO quality standards.

Harbiye Mahallesi, Hurriyet Caddesi No: 52 Cankaya, Ankara TURKIYE
+90 850 307 27 37 +90 539 878 23 66
info@turkeytrainings.com



Part I – Technical Proposal

(Course Content & Consultant's Profile)

Why Choose this Training Course?

The Advanced Principles in Ports & Marine Terminals Management, Operations & Safety training course is designed to provide a comprehensive and up-to-date understanding of modern port and terminal management practices. The program aligns with the latest international standards, regulatory frameworks, and industry best practices to ensure effective and safe operational performance.

Throughout this dynamic course, participants will develop a strong foundation in risk-based management principles and their practical application within port and terminal environments.

Delegates will acquire the knowledge and competencies required to achieve optimal, safe, and efficient operations.

This training course will highlight:

- Regulatory Requirements
- Sustainability and Energy Efficiency
- Maritime Risk Management
- PDCA application in the marine industry
- Health, Safety and Environment
- Incident Investigation

Who is this Training Course for?

This training course is suitable to a wide range of professionals but will greatly benefit:

- Port / Terminal Management Team
- Port Masters
- Terminals Operation Managers
- Port Planning & Scheduling Managers
- HSE officers
- Project engineers
- Safety and Environmental Managers
- Project Management Team
- Project Operators & Supervisors
- Supply chain managers
- Quality Department Personnel

How will this Training Course be Presented?

Training will be delivered in a combination of lectures, practical exercises, case studies, videos and team working as appropriate. Emphasis is placed on the interaction between delegates and their discussion and contribution to strategic and practical issues. Delegates are encouraged to bring their own experience to the discussion.

Organisational Impact

Completing this training course will provide organizations with a workforce skilled in maritime risk management, HSE and incident investigation leading to:

- Operational Efficiency: Improved management of ports and fleet performance
- Regulatory Compliance: Enhanced ability to meet international maritime standards, reducing the risk of non-compliance penalties.
- Risk management: Understanding of maritime risk assessment techniques
- Stronger Safety Culture: Better safety management practices, ensuring personnel well-being and environmental protection.

This training course will strengthen the company's marine department, driving improved performance and a competitive edge in the maritime industry.

Personal Impact

Upon completion of this training course, participants will gain valuable expertise in sustainability and energy efficiency, risk management, health, safety and environment.

Key benefits include:

- Enhanced Expertise: In-depth knowledge of international regulations
- Improved Decision-Making: Ability to make informed decisions based on regulatory frameworks and industry best practices.
- Career Advancement: Expanded skill set leading to greater opportunities within the maritime sector.
- Effective Risk Management: Confidence in using risk assessment methods and how they are applied to the marine industry.
- Practical Application: Hands-on experience with real-world scenarios that can be directly applied in their roles.

This training course will equip participants with the skills to excel in their roles and make a meaningful impact within their organization.

Daily Agenda

The content may be adjusted to better suit your requirements.

Day One: Regulatory Requirements, Sustainability and Energy Efficiency

- Regulatory frameworks and international standards
- ISGOTT & SIGTTO Requirements
- OCIMF
- Maritime Energy Efficiency
- Sustainability in shipping
- Green Ports

Day Two: Maritime Risk Management and PDCA Applications

- Risk assessment and risk management
- Risk assessment methodologies
- Major hazards in the marine industry
- Applying PDCA and Six Sigma in Managing the Port / Terminal
- Continuous improvement

Day Three: Health, Safety and Environment and Incident Investigation

- Port safety, Health and environmental management system (PHEMS)
- Dangerous Cargo Storage and Handling Best Practices
- Enclosed Space Accidents
- Basics of Incidents and Investigations
- Identifying root causes
- Marine Root Cause Analysis Map



TRAINER'S PROFILE

Dr. Yasser El Sayed Mostafa

Nationality: Egyptian / Canadian

Languages Spoken: Arabic, English

Total Years of Practical/Training/Consultancy: 30+ Years

AREAS OF EXPERTISE

- Project Management
- Offshore Structures
- Port Engineering and Marine Structures
- Geotechnical and Foundation Engineering
- Marine and Coastal Environmental Engineering

EDUCATION & QUALIFICATIONS

- Doctor of Philosophy (Ph.D.) in Offshore Structural Engineering
- Master of Science (MS.c.) in Civil Engineering
- Bachelor of Science (B.Sc.) in Civil Engineering

PROFESSIONAL AFFILIATIONS

- Professional Engineer (P.Eng.) of British Columbia, Canada
- Professional Engineer (P.Eng.) of Ontario, Canada
- Member, Egyptian Syndicate of Engineers
- Registered as Consultant in Egyptian Syndicate of Engineers (Harbors, Navigation and Shore Protection)
- Member, Egyptian Society of Engineers

TRAINING COURSES PRESENTED, to name a few

- Fundamentals of Exploration & Production
- Fundamentals of Offshore Pipeline Engineering
- Fundamentals of Offshore Systems Design & Construction A - Z of Petroleum Industry: From Upstream to Downstream API 510: Pressure Vessel Inspection Code (API Exam Preparation Training) API 653: Tank Inspection, Repair Alteration and Reconstruction (API Exam Preparation Training) API 653: Tank Inspection, Repair, Alteration and Reconstruction (API Exam Preparation Training) Asset Integrity Management for Purpose-Built FPSO's and Subsea System
- Facilities Asset Management & ISO 55000 Series: Maximising Returns from Capital Investments
- Certificate in Global Downstream Oil & Gas Operations: Value Addition and Risk Reduction in Refining & Processing Construction Supervision Skills: The Professional Way of Project Management Decommissioning of Offshore Installations: An In- Depth Project Management Course Covering all Aspects of Decommissioning FLNG Operation and Maintenance FPSO Design and Technology FPSO Operation & Maintenance (Floating Production Storage and Offloading) FPSO Operation and Maintenance
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TRAINING COURSES CONDUCTED, to name a few

- Front – End Loading in Oil and Gas Projects
- Inspection, Repair and Rehabilitation of Marine Structures
- Integrated Loading and Terminal Management for Oil, Gas/LNG and Petrochemicals
- Integrity Management of Onshore & Offshore Pipelines
- International Gas Business: The Dynamics of Global Gas Business in the Changing Energy Industry
- LNG Commercial Management: LNG Supply, Demand & Pricing
- LPG Terminal Design & Plant Operations
- Next Generation Training for Subsea & Marine Operations Engineers and Asset Managers
- Offshore Engineering - Design, Fabrication, Installation, Hookup and Commissioning
- Offshore Oil and Gas Development Projects, Concepts and Facilities
- Offshore Platform Decommissioning
- Offshore Structure Design, Construction & Maintenance
- Offshore Structure Design, Construction, Inspection, Maintenance & Repair
- Onshore Pipeline Engineering: Design, Construction & Maintenance
- Onshore Pipeline Facilities - Design, Construction and Operations
- Operational Excellence: Managing Performance in the Oil, Gas & Petrochemical Industry
- Pipeline Engineering: Gas Pipeline & Infrastructure Design and Costing
- Pipeline Operations and Maintenance
- Pipeline Technology: Operation and Maintenance
- Project Scheduling & Cost Planning Skills
- Risk-Based Inspection (RBI) Planning of Offshore and Marine Facilities
- Shipyard and Fleet Management Masterclass
- Storage Tank Design, Construction & Maintenance
- Subsea & Marine Design, Operation and Maintenance
- Subsea Equipment and Technology for Oil & Gas Production
- Subsea Systems, Processes and Topside Interface for Oil & Gas Production
- Surveys and Analysis for Marine Structures Development
- Sustainable Construction Management
- Sustainable Development
- Understanding, Developing & Maintaining Oil & Gas Industry Quality Management Systems

LIST OF CLIENTS WHO BENEFITTED FROM DR. SHADY'S TRAINING to name a few.

- REPSOL Trading S.A.
- Zurich Insurance
- Nigerian National Petroleum Company Limited
- AMNI International Petroleum Development Company Limited
- Nigerian Content Development and Monitoring Board

- Korea Gas Corporation
- Department of Labour Inspection
- Petrobras (Petróleo Brasileiro S.A.)
- Nigeria LNG Limited
- Worley
- Emirates National Oil Company (ENOC)
- Nawah Energy Company
- GEPSING LTD
- Pertamina International Shipping
- Kuwait Petroleum Corporation
- Kuwait National Petroleum Company (KNPC)

PERSONAL SUMMARY STATEMENT

Dr. Yasser Mostafa is a senior consultant with a several training companies who has over 30 years of experience in Oil and Gas and project management, specializing in port and marine structures, offshore engineering, and, leadership and management development.

Dr. Yasser has extensive experience working as a project manager, engineering manager and proposal manager through working with WorleyParsons. He worked as a team leader in oil and gas projects, marine projects, infrastructure, and power projects.

In addition, he is the founder of YMEC which provides engineering services in port and coastal engineering, structure, geotechnical and environmental engineering and project management. He provided and participated in providing engineering consulting services to major clients such as British Petroleum, Gulf of Suez Petroleum Company (GUPCO), RWE, HESS, Khalda Petroleum, ECG, Citadel Capital, Ain Shams University Consulting Center, Arab Academy for Science, Technology and Maritime Transport (AASTM) and Urban Development Consortium UDC 5+.

Dr. Yasser Mostafa is a professor at the faculty of Engineering, Ain Shams University. Also, he has a Ph.D. in offshore structural engineering from the University of Western Ontario, Canada in 2002. He is a licensed professional engineer (P.Eng.) in British Columbia and Ontario, Canada since 2004. Also, he is registered as a Consultant in the Egyptian Syndicate of Engineers (Harbors, Navigation and Shore Protection) since 2011.

Throughout his career, he authored and co-authored more than 35 papers published in international and local journals and international conference proceedings.