

Loay Moustafa Aboud



Personal Information

- Current Job: Senior Maritime Lecturer at AASTMT (Full-time); Marine Engineering Technology Department; Maritime Transport & Technology College.
- Date of Birth: 24/09/1984
- Place of Birth: Bahrain
- Nationality: Egyptian
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Career Biography

Chief Eng. Loay M. Aboud occupies a Senior Maritime Lecturer at the Marine Engineering Technology Department, College of Maritime Transport and Technology; (AASTMT). He obtained his B.Sc. and M.Sc. from Marine Engineering and Offshore Department, AASTMT, Alexandria, Egypt. Currently, he is involved in a Ph.D. program. He has experience of more than 15 years in the maritime industry. He worked at the Bureau Veritas classification society as a Marine Surveyor.

Languages

- **Arabic:** Mother Tongue
- **English:** Fluent (acquired IELTS Certificate 6.5 score)

Educational Background

- **Ph.D. studying started in September 2021 in Marine Engineering Department and offshore, Engineering and Technology College at AASTMT.** *The research scheme focuses on Alternatives Fuels and Fossil fuel Performance in diesel engines.*
- **MSc in Marine Engineering accomplished in January 2020;** *the thesis titled "Erosion Behavior Experiments under different operational parameters conditions".*
- **Chief Marine Engineers Certificate acquired in Jan 2016; AASTMT Upgrading Institute.**
- **Bachelor's Degree in Marine Engineering from Arab Academy for Science & Technology, July 2006. GPA 3.45 Excellent with Honor** *Graduation Project: petroleum pipes lines designing.*

Published research, Projects, Events

- **Participated as a Corresponding Author for a research paper published "PETROLEUM SCIENCE AND TECHNOLOGY", on 23 October 2023 "On the influence of low octane gasoline and biodiesel on diesel engine operating characteristics", Quartile 2 Web of Science.**

- Participated as a Corresponding Author for a research paper published in "The Journal of International Maritime Safety, Environmental Affairs, and Shipping" on July 2023, titled "A proposed design for 5-G fire detecting and extinguishing system: ultra-large container ship case study", **Quartile 2 Scopus.**
- Participated as a corresponding Author for a research paper published in NEJ " Naval Engineering Journal " on December 2022, titled "Eco-friendly Suez Canal Ferries Incorporating PV/Shore Connection Hybrid Power System", **Quartile 4 Web of Science.**
- Participated as a supervisor of "Smart Port Stations and Zero Emission Boat for Commuter's Transportation in Alexandria North Coast", **Cluster Act Project event (EU), in the period of (1 April to 5 July 2021).**
- Participated as a speaker and corresponding author of a research Paper published at the International Association of Maritime Universities (IAMU) Conference on September 2021; titled " Zero Emissions Ferries Utilizing PV/ Shore Connection Hybrid Power System".
- Participated as a Co-author of a research paper published in NEJ " Naval Engineering Journal " in June 2021, Titled "Short Term Improvement for Maritime Applications with Emphasis on Ship Energy Efficiency Case Study: Oil Tankers", **Quartile 4 Web of Science.**
- Participated as corresponding author of a Research paper published in "International Review of Mechanical Engineering" (I.R.E.M.E.), Vol. 14, N. 8 ISSN 1970 - 8734 August 2020, Titled "Experimental Study on the Effect of Impingement Angles and Velocities on Erosion-Corrosion Behavior of API 5L-X42 Carbon Steel in Eroded Flow Medium", **Quartile 2 Scopus.**

Qualification & Vocational Certifications

- **Arc Welding Certificate in position 1G & 2G & 3G & 4G and Oxy-Acetylene Lamp for Silver & Brass welding** acquired from *Don Boaco Italian Vocational Institute.*
- **Refrigeration & Air Conditioning Certificate in Repairs Tasks** from *Don Boaco Italian Vocational Institute.*
- **Pneumatic & Electro. Pneumatic Control Certificate** from *Don Boaco Italian Vocational Institute.*
- **Hydraulics electro. Hydraulic Control Systems Certificate** from *Don Boaco Italian Vocational Institute.*
- **Electrical Classic Control System Certificate** from *Don Boaco Italian Vocational Institute.*
- **Marine Cranes Maintenance; and Rigging and Lifting Equipment Inspection.**
- **Maintenance and Operation of "Marine Diesel Engines".**
- **Maintenance and Operation of "Various Mechanical Equipment".**

Standard Training Competency & Watchkeeping Certificates (STCW)

- **Proficiency as a Ship Security Officer PSSO.**
- **Proficiency of Security Awareness.**
- **Advanced Fire Prevention & Firefighting.**
- **Proficiency in Personal Survival Techniques and Search and Rescue.**
- **Medical First Aid.**
- **Proficiency in Survival Crafts & Rescue Boats.**
- **Personal Safety and Social Responsibilities.**
- **Prevention & Combating of Marine Pollution.**
- **Engine Room Resource Management.**
- **Oil Tanker Familiarization.**

Mobile Offshore Drilling Unit (MODU) Certificates

- **Safety Induction on Offshore Rigs** at Shelf Drilling Company issue on 1 December 2014.
- **Stability & Ballast Control for Mobile Offshore Drilling Unit** at INTERTEK Consulting & Training Certificate Approved by United State Coast Guard "Certificate Number 150319-15-4-0023"
- **Basic Offshore Safety Induction & Emergency Training Including EBS** at AASTMT.
- **Offshore Fire Emergency Response Team Member** at AASTMT.
- **Offshore Helicopter Landing Officer** at AASTMT.
- **Safety Leader Ship Training** at Shelf Drilling Company
- **Confined space Entry Competent Person** at SURVIVEX Aberdeen Certificate Number 300915190.
- **Confined Space Entry Awareness** at SURVIVEX Aberdeen Certificate Number GDSC0110151149.
- **Authorized Gas Tester** at SURVIVEX Aberdeen Certificate Number AGT230915456.
- **In-house Forklift Truck Operator** at SURVIVEX Aberdeen Certificate Number FL300915483.
- **Banks Man Slinger** at SURVIVEX Aberdeen Certificate Number BS300915881.
- **Working At Height Awareness** at SURVIVEX Aberdeen Certificate Number 011015863.
- **Rescue at Height Competent Person** at SURVIVEX Aberdeen Certificate Number 300915185.
- **Rigging & Lifting** at SURVIVEX Aberdeen Certificate Number 3009151025.
- **All OJT Training courses online by shelf training program For Marine Department & HSE. (eLearning)**

Educational-Staff Members Certificates

- **Educational Preparation Course for Graduate Teaching Assistants & Lecturers, in the period 27-31 January 2019** at AASTMT.
- **Training Course for The Simulator (Trainer & Assessor) Based on IMO Model Course 6.10 – Level 1, In the period of (27-28 January 2020)** at AASTMT.
- **Training Course for The Simulator (Trainer & Assessor) Based on IMO Model Course 6.10 – Level 2, In the period of (29-30 January 2020)** at AASTMT.
- **Creativity and Innovation Management Course In the period of (19-20 August 2020)** at AASTMT.
- **Training Course for Assessment, Examination, and certification of Seafarers, Based on IMO Model Course 6.12 – Level 1, in the period of (29-30 August 2021)** at AASTMT.
- **Training Course for Assessment, Examination, and certification of Seafarers, Based on IMO Model Course 6.12 – Level 2, in the period of (31 August - 1 September 2021)** at AASTMT.
- **Training Course for Instructors in Maritime Institution Based on IMO Model Course 6.9, in the period of (26-29 September 2021)** at AASTMT.
- **Global Maritime Professional (GMP) – Body of Knowledge Implementation, In the period of (6-8 April 2021)** at AASTMT.
- **Research Methods, in the period of (30-31 December 2020)** at AASTMT.

Computer Skills and Certificates

- **ICDL-Arabia Certificate (Passed in 7 Modules)**
- **Offshore Rigs Stability program**
- **Preloads program For Offshore Drilling Unit.**
- **Penetration program For Offshore Drilling Unit.**
- **Planned Maintenance programs Amos 1 & Amos 2.**

- JDE Program Planned maintenance in shelf Drilling.
- Ballast & Bilges controlling programs.

The updated Experiences

Experience Onboard merchant Ships

s/n	Company	Vessel	Type	DWT	Engine Hp	Rank	Date From	Date To
12	Shuttle chemical carriers L.L. P	MT Pristine GV	Oil & chemical carrier	10332	5240 Hp HITACHI -ZOSEN B&W 6L35MC	Ch. Eng	03/05/2018	30/12/2018

Experience in Bureau Veritas (France Classification Society)

At Marine Division in KSA Jeddah Office as Marine Surveyor from (15/4/2017) to (15/10/2017) with a temporal contract. It was temporal because the permanent working visa was not available.

experiences:

- The periodicity of each required survey.
- The Scoop of each survey.
- UT reports and the max diminishing allowed thickness of plates, stiffeners, Frames and webs.
- Certifications procedures and supplemented forms if required
- New IMO conventions and their requirements.
- Different clearances are needed to check in Dry Docking & bottom surveys.

Experience Onboard Jack up Rig (Drilling oil & Gas)

I worked in Shelf Drilling Company from (1/2/2015) to (1/7/ 2017) as Assistant Barge Master in Jack up Rig Drilling Unit, (Trident-16) located in Suez Gulf Oil Filed "RPD Independent Control of Jacking Chords Self-Elevating Drilling"

Responsibilities:

- Rig Stability (during elevating and afloat conditions)
- Cantilever Skidding (operation and calculation of loads)
- Derrick Skidding (operation and calculation)
- Cranes PM (wires and Auxiliaries)
- Certifications of the rigs.
- Lifting Life Boat PM and launching.
- Equipment certification.
- All Safety Appliances PM.
- Pre-moving preparations and procedures.
- Ballasting controller.
- Jacking rig operation.
- Bunkering operation (Liquids and Bulk)

- Cement job & raising the mud weight with barite.
- Bulk Tanks Maintenance.
- Valves maintenance and repairs.
- Helicopter landing Officer.
- Communication with supply Boat.
- Mud Handling and transferring.
- Plumbing and accommodation maintenance supervision.
- Safety equipment PM.
- Fire Team Leader.
- RPD monitoring and resting.

Experience Onboard merchant Ships

s/n	Company	Vessel	Type	DWT	Engine HP	Rank	Date From	Date To
9	DIORYX MARITIME Co. Charter UASC	M/V THERMAIK OS	Container	25319	19460 hp MAN-B&W 7S60NC	2 nd Eng.	26/04/2014	27/11/2014
8	DIORYX MARITIME Co. Charter CMA CGM	M/VCMA CGM QUARTZ	Container	52408	49680Hp AT 104 R.P.M B&W 8K90MC-C	3 rd Eng.	1/7/2013	12/10/2013
7	United Arab Shipping Company	M/V Hammurabi	Container	32534	18400 Hp B&W 6L80GFC A	3 rd Eng.	24/5/2011	21/11/2011
6	United Arab Shipping Company	M/V Al Mariah	Container	32534	18400 Hp B&W 6L80GFC A	4 th Eng.	27/12/2010	27/03/2011
5	United Arab Shipping Company	M/V AlMutanabi	Container	48154	46700Hp Man B&W 10L80	4 th Eng.	23/5/2010	24/9/2010
4	United Arab Shipping Company	M/V Hammurabi	Container	32534	18400 Hp B&W 6L80GFC	5 th Eng.	17/10/2009	7/4/2010
3	United Arab Shipping Company	M/V Al Wajba	Container	32534	18400 Hp B&W 6L80GFC	Cadet	24/12/2008	4/8/2009
2	FAMCO	M/V El Essra	General Cargo	12233	6000 HP Man B&W	3 rd Eng.	23/6/2008	23/11/2008
1	ARAB ACADEMY AASTMT	M/V AIDA 4	TRAININ G Ship	3105	2000 HP	cadet	23/08/2004	03/02/2005