

Tarek Fakhr EL-Din–Mechanical Marine Engineer

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Career Summary:

I am a Mechanical Marine Engineer with experience including Management and Technical skills which are achieved in different applications that acquire me the ability to inspect, maintain and repair different types and designs of machines.

I am looking for a challenging position in engineering fields to design, develop new models, and make necessary changes in existing ones and to achieve organizations goals.



EDUCATION

Alexandria University – Faculty of Engineering

Bachelor of Marine Engineering and Naval Architecture (Graduated June 2008)

Graduation [Project "B+" Grade, the project research in (Safety of offshore Structure)].

- Certificate of competence course for "3rd Marine Engineer Part (B)" from Arab Academy for Science, Technology & Maritime Transport" (July 2011)

Professional Experiences(Brief Description)

Company	Designation	Job Description	Duration
Joan al kuwait company	3 rd Marine Engineer	Responsible of operation and maintenance of RORO Ferry Vessel 500 GT, Twin Main Engines Deutz 450 hp per engine, Azimuth Thrusters propulsion system & Responsible of operation and maintenance of Yachts and boats port & Responsible of boats workshop	May 2021- Present
PMC.Est, Kuwait	Junior Projects Engineer	Responsible of projects execution	March2019-May 2021 (2 years & 2 months)
Al-Hamady workshop, Kuwait	Marine Engineer	Responsible of all mechanical and electrical works for Watercrafts, Boats & Yachts.	March2018– February2019 (10 months)
TPF Company, Egypt	Mechanical Engineer	Responsible of production line of RDF (refused derived fuel) product	February2016- February 2018 (2 years)
Egyptian Naval Forces Shipyard	Marine Engineer	Specialist in Alignment for all rotating equipment & Inspection, Calibration, Installation & Repair of marine propulsion systems	April2013 - September 2015 (2 years & 5 months)
Queen Tower Marine Company, Egypt	3 rd Marine Engineer	Work as 3 rd marine engineer in supply vessel	July2012- January2013 (6 months)
Al-Naseem Marine Company, Libya	Cadet Marine Engineer	Work as cadet engineer in general cargo vessel of 7000 ton	September2009 –July 2010 (6 months)

Courses

- Basic and advanced course in "Fire Preventing& Fire Fighting".
- Attended course in "Preventing & Combating of Marine Pollution".
- Completed course in "Personal safety & Social responsibilities".
- Proficiency in "Personal survival techniques, Search & Rescue".
- Training in "Medical First Aid".
- Attended course in "International code of the security of ships & port facilities (operational level) I.S.P.S code".
- Oxy-acetylene & Arc welding "from Don Bosco Institute".
- Shaft alignment of rotating equipment course.
- R&HVAC course.
- Classic control & PLC course.

Computer & Languages

- MS Office (Word, Excel, Power point, Internet)
- AutoCAD (2D, 3D)
- 3dMax
- Arabic : Mother Tongue
- English : Fluent

Skills

- Operating, maintenance and repairing vessel engines and auxiliary machines.
- Troubleshooting and repairing internal combustion Engines.
- Flexible to work on weekends and rotational shifts.
- Strong analytical/ problem solving skills.
- Ability to work with CAD Software.
- Marine Technical surveying skills.
- Welding, Hydraulics and wide range of electrical systems.
- Ability to motivate, manage and develop team members.
- Ability to work in stressful environment and under pressure.

Personal Information

- Full Name : Tarek Mohamed Fakhr El-Din Mahmoud Ali Ahmed
- Nationality : Egyptian
- Date of Birth : 19th of February 1986
- Military Status : Exempted
- Place of Residence : Kuwait
- Marital status : Married
- Mobile : (+965) 60691333
- E-mail : tarek_fakhr@yahoo.com

Professional Experiences (Detailed Description)

JKM CO.(Joan Al-Kuwait Marine Company)(May 2021-present)

Marine Engineer

Roro-ferry vessel;

- Responsible of the operation, maintenance, repair of the vessel machineries and equipment
- Applying of maintenance plan including daily, weekly, monthly & yearly, and also based on the operating hours according to the manufacturer instructions and experience,
- specifying the required spare parts and the miscellaneous spar parts required for the vessel
- Applying the partial and the major overhauls of the main, auxiliary engines & engine room machineries

Yachts and boats port;

- responsible of the maintenance works related to the piers of the boat

Boats workshop;

- responsible of all mechanical and electrical works related to the boats

Junior Projects Engineer

- Forming Quotations and Contracts for Tenders conferring with management.
- Responsible of project execution including ;
 - Studying customer requirements and project plan.
 - Determining project schedule and responsibilities.
 - Completing technical studies by designing and fabricating of a required project systems or equipment, performing engineering calculation to solve routine engineering problems, and developing of engineering drawings including plans and specifications based on calculations.
 - Requisitions components and supplies for engineering projects, interacting with vendors to obtain price and product information.
 - Monitoring, supervising project progress and prepare project status reports by collecting analyzing and summarizing information and trends, preparation of project presentations to explain progress of project, which includes preparing routine graphic illustrations, charts, and drawings.

Marine Engineer

- Responsible of the maintenance, overhauling, and all mechanical and electrical works for:
 - Watercrafts engines [(jet ski, super jets, and jet boats), (Seadoo and Yamaha)] and,
 - Boats & yachts engines [(mercury and Yamaha), (outboard and inboard engines)]. (2-stroke and 4-stroke petrol and diesel engines).

Mechanical Maintenance Engineer

- Applying a preventive maintenance and repair for a shredding machine (Lindner Jupiter 3200).
- Ensure equipment are calibrated in date and suitable check in accordance with the manufacturer's defined requirements.
- Carry out inspections in accordance with the inspection and test plan in a timely manner.
- Maintain and repair all the auxiliary systems for the shredding machine (electrical system, cooling system, hydraulic system, and mechanical parts).
- Interpret the machine Drawings to troubleshoot problems, for maintenance and overhauling activities.
- Identifying the required spare parts.
- Resolving technical problems at all levels
- Supervising the quantity and quality of RDF (Refuse Derived Fuel) product which produced from the shredding machine.
- Manage, supervise, and lead technicians and workers who are under my responsibility to achieve work in a perfect and efficient way.
- Sending daily reports to managers, reporting work status and progress at the site of work.
- Safety and Environmental incidents reported and dealt with appropriately.

Marine Engineer

- Shaft alignment (Manual, Dial Gauge, Laser alignment)
- Bore alignment using laser alignment system
- Marine diesel engine mounting, dismantling and alignment process
- Shock absorbing checking and testing
- Disassemble and assembly of the most types of couplings of propeller shaft (Hydraulic and Keyed)
- Making installation procedures (mounting/ dismantling), maintenance, operation, inspection, and repair for marine propulsion systems (fixed pitch propellers, controllable pitch propeller, Voith Schneider propeller, rudder propeller and bow thrusters)
- Making maintenance and repairing for propeller shaft components (Couplings, stern tube bearing, shaft bearings, thrust bearings, tail shaft seals, and stuffing box)

Third Marine Engineer

- Work on supply vessel of main engine "Allen, V-type 1300 hp" and auxiliary engine "Caterpillar".
- Responsible of the Maintenance and Overhauling of generator engines, main propulsion engines, air conditioning-refrigeration plant, main air compressors, centrifugal pumps, positive displacement pumps, oil purifiers, fuel purifiers, sewage treatment plant, life boat engines, etc.
- Certified engine room watch-keeping engineer, responsible for Operating and Monitoring all machinery/engineering equipment; including generators, steering equipment, service pumps, compressors, ventilation systems, alarms, air conditioning-refrigeration systems, air compressor, oil purifiers, heat exchanger, sewage treatment plants, etc.
- Responsible of recording accurately all vital plant information, take and record all fuel, lube, water soundings and determine the amount location of bulk materials on the vessel.
- Responsible for Texting and Troubleshooting equipment to isolate problems to the major sub-systems.
- Maintain a record of my activities, spare parts used and required for the engine room through ship software.
- Interpret the machine drawings to troubleshoot problems for maintenance and overhauling activities.
- Practiced and assisted shop floor personnel in various operations such as lathe machining, drilling, welding, gas cutting and other workshop operations.
- Designing, developing and taking responsibility for the Installation of ship machinery and related equipment including propulsion machines and power supply systems.

Cadet Engineer

- Worked on general cargo vessel of dead weight "7005 tons", Main Engine "6U Akasaka 2600 hp" and auxiliary engine "Yanmar-6RL-T 225 HP".
- Working and assisting in maintenance and over hauling of generator engines, main propulsion engines, air conditioning-refrigeration plant, main air compressors, oil purifiers, sewage treatment plant, life boat engines, etc.
- Accurately record all vital plant information, take and record all fuel, lube, water soundings and determine the amount location of bulk materials on the vessel.
- Responsible for routine maintenance of the machinery and equipment; including changing oil and filters, greasing the steering gear, etc.
- Stands engine-room watch during specified periods, observing load on engines and generators to confirm that work is done within acceptable limits, and all other operating parameters (oil pressure, oil temperature, cooling water temperature, fuel temperature, etc.)