

# Mohamed Saad

Jeddah, Saudi Arabia +966 54 543 6301  
eng\_msaad@yahoo.com



## Electrical Engineer

Electrical Engineer with extensive experience in shipbuilding, electrical systems design, and maintenance. Skilled in overseeing installation, material procurement, and design review for marine electrical systems. I have successfully managed material procurement, estimated project costs, and prepared both technical and financial proposals for government tenders via the Etimad platform. Proven ability to manage projects and deliver high-quality solutions in challenging environments.

## Work Experience

### Senior Electrical Engineer

Saudi Border Guard – Jeddah, Saudi Arabia | Dec 2017 – Present

- Maintaining electrical systems for marine ships delivering OPS vessels and HSI and UB boats
- Maintaining of Main power system (Generators and Main switchboard 440/230V, 60Hz)
- Maintaining of Emergency power system (Emergency Generator and 24VDC power supply system)
- Maintaining of power distribution panels and starters of Auxiliary pumps for ME'S & Generators.
- Maintaining of supply power system of whole systems (steering gear, fuel system, bilge system, sanitary system, cooling sea water, Fresh water system, Deck equipment ,navigation and communication equipment
- Preparing material control lists and cost estimations
- Analyzing figures for preparing quotations for Monfsat Etimad
- Preparing tender documents for government procurement competitions
- Preparing technical and financial proposals for government tenders listed on the Etimad platform
- Serving as a member of the technical committee responsible for evaluating submitted bids for tenders
- Communicating effectively with specialized marine companies and suppliers for procurement and maintenance services

### Second Electrical Engineer

Alexandria Shipyard – Alexandria, Egypt | Aug 2008 – Dec 2017

- Preparing workshop drawings and handling main and emergency wiring
- Working on main and emergency switchboards, auxiliary systems, and shaft generators
- Managing main and emergency automation
- Installing electric motor starters and deck machinery
- Installing Navigation and Communication equipment
- Delivery of whole electrical system to QC and classification society representative
- Preparing Load Balance Calculations for 86000 Ton Bulk Carrier.
- Preparing Short Circuit Calculations.
- Estimation of Auxiliary Generators Capacity from point Selection of Air Circuit Breakers (ACB) for Generators and (MCCB) for other Electrical Equipment.
- Preparing Electric Power System Single Line Diagram using AUTOCAD 2010.
- Preparing Illumination System Single Line Diagram



### **Preparing the following workshop drawings using SPD.**

- Installation drawings for Cable trays, Flat bars and Lamping brackets.
- Installation drawings for Cable Openings.
- Installation drawings for Elec. equipment Foundation.
- Preparing Manufacturing table for Cable tray and Flat bars.
- Preparing Manufacturing table for large Elec. equipment Foundation.
- Preparing Manufacturing table for Small and Medium Elec. equipment Foundation

### **Education**

- Bachelor's Degree of Electrical Power System and Mechanics-2008 (GOOD-72.84%) from Faculty of Engineering, Alexandria University, EGYPT.
- Electric General Design Certificate from HUDONG ZHONGHUA SHIPYARD (GROUP) CO. LTD, SHANGHAI, CHINA.
- Electric Production Design from HUDONG ZHONGHUA SHIPYARD (GROUP) CO. LTD, SHANGHAI, CHINA.
- Professional Accreditation

### **Languages**

- Arabic (Native)
- English (Professional)

### **Computer Skills**

- AutoCAD
- ETAP
- Ship Production Design (SPD)
- Microsoft Office (Word, Excel, PowerPoint)
- Internet Research and Communication Tools

### **Hobbies**

- Sketching
- Photography
- Teamwork and cooperation
- Reading technical journals