

HAITHAM ELHESSAWY

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SUMMARY

Dedicated Senior electrical engineer skilled at managing, designing and evaluating power supply network projects. Responsible for supervising other engineers, includes site and design engineers. Experience with preparing electrical CAD drawings, load calculations, and technical reports. Aiming to secure an Electrical Engineer position at a growth-oriented organization, that allows me to further grow my skills, enhance my capabilities and acquire new skills and know-how whereby I can contribute to the success of the organization and help in gearing it towards the achieving of its goals. Currently seeking a master degree in Wireless Communication at Lund University.

CORE QUALIFICATIONS

- More than 7 years of experience as an Electrical Engineer in power supply networks.
- Extensive project management experience including the development of project scopes, project budgets and execution management.
- Managed or participated in the delivery of more than 10 successful projects.
- Design specification.
- Load calculations for the power supply network.
- Electrical CAD Software.
- Orchestrated start-up and final documentation.
- Dependable and creative.
- Performed engineering analysis to optimize performance of electric distribution systems.

EXPERIENCE

Master Thesis

HMS Industrial Network- Halmstad

January - June 2018

The aim with this Master thesis work is to explore the new Bluetooth mesh technology, and analyze the link performance properties between Bluetooth low energy nodes (relay and sensor) in industrial Bluetooth low energy sensor mesh network.

ELECTRICAL DEPARTMENT MANAGER

RABYA FOR CONSTRUCTIONS SAUDI ARABIA

2012-2016

Projects:

A total net worth of 223 Million Saudi Riyal projects includes (Dive school building king Abd ElAziz naval base Jeddah, Afat university Jeddah, Taef university and Security gates Jeddah new airport).

Responsibilities:

- Complete site coordination between all included parties (Electrical, Mechanical, Civil and design engineers) to avoid any obstacles and guarantee the smooth delivery of the project without any delay.
- Established engineering design and load calculations guidelines for staff.
- Developed and maintained material specifications and construction standards.
- On-Site supervision of the current ongoing activities to ensure the quality and the design intent are implemented as per project specifications.
- Weekly meetings with cross-functional teams including safety standards, quality, general manager, and engineering teams to ensure project progress, meet the intended cost, assure smooth understanding and proper coordination with all trades.
- Manage projects, timelines, costs, specifications and documentation.
- Supervise the purchase of electrical equipment from outside vendors.
- Review and approval of Shop drawings.
- Track the delivery of materials versus site requirements to ensure proper plan execution.
- Revise and approval of contractor's bills before proceeding to the payments.
- Study contractors technical and financial offers.
- Prepare weekly and monthly reports for Electrical activities related to all projects.
- Review and approval of Finishing Materials, Method statements and documents.

ELECTRICAL ENGINEER

SESAB INTERNATIONAL FOR CONSTRUCTIONS SAUDI ARABIA

2010-2012

Projects:

A total net worth of 679 million Saudi Riyal (Prince Sultan Airbase aircraft hangars owned by Air Force, Naval Base Doctors Housing in Jubail Saudi Arabia, Doctors Housing at King Abdul Aziz Medical City in Jeddah owned by National Guard, King Abdul Aziz Medical City medical laboratory owned by National Guard and Imam Faisal Hospital in the Dammam area owned by National Guard).

Responsibilities:

- Supervise the Installation of all Electrical conduits, boxes, wiring and distribution boards with termination.
- Supervise the Installation of all Low Current Devices and Cables including Fire Alarm, Telephone, Sound Systems with Termination and testing & commissioning.
- Medium/Low Voltage Network Installation, operation and maintenance.
- Coordinate between electrical/Mechanical and Civil departments for smooth project rollout.
- Site inspection (Staff/materials/submittals/orders).
- Prepare daily/weekly/monthly reports to follow up with project properly.

- Quantity surveying of the materials for each trade such as lighting fixtures, Cables length, cable tray.
- Distribution boards (main and sub-main boards) complete calculations.
- Prepare site Shop drawings.
- BOQ's preparation.

ELECTRICAL ENGINEER

BLAATHER TELECOM SAUDI ARABIA

2009-2010

Projects:

King Faisal Specialized Hospital in Riyadh, Saudi Arabia, Ministry of media new studios building in Jeddah and Tabuk university in Tabuk

Responsibilities:

- Knowledge of construction and design process of surveillance system.
- Knowledge of IP based surveillance system with point to point wireless communication.
- knowledge of implementing test procedures, method statements, Shop drawings, schematic diagrams and design specifications.
- Supervise the Installation, operation and maintenance of low current systems (CCTV, fire alarm, access control and data network).
- Follow up and monitor project progress.
- provide planning and technical support for field teams.

EDUCATION

Lund University, Sweden

Masters in Wireless Communication,
2016 – 2018

Alexandria university, Egypt

BSC in electronics and communication engineering,
2004-2009

SKILLS

- Self-Motivated, Hard Worker, Ambitious, Extremely Organized, Self-learning.
- High communication and presentation skills.
- Able to successfully handle stressful situations in a professional manner.
- Capable of analysing problems broadly and coming up with effective solutions.
- Ability to work under pressure.
- Committed to customer satisfaction.
- Good experience in dealing with MATLAB, Microsoft office tools and AUTOCAD.
- Good knowledge in C/C++