

AYHAM AJI

ELECTRICAL ENGINEERING SITE/ DESIGN, EIT – PROJECTS, QA/QC

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CAREER OBJECTIVE

- Bachelor's degree in Electrical Engineering and P-Eng licensing in progress (current EIT status)
- Hands on experience in Electrical Engineering Site/Design with focusing on Low, Medium and High voltage concepts, and Experience in developing Project Scope, schedule, resource allocation, and project monitoring.
- Acquired knowledge and competency of Canadian Codes and Standards ("OBC", "ESA", CAN/ULC), and Health and Safety Regulations.
- Looking for a role in your company where I can face new challenges and achieve advance in my career

CORE COMPETENCIES

- Simulation: AutoCAD 2D, MATLAB Simulink, ETAP, Micro Station Analysis
- Understanding AGI 32, Visual Lighting Software, NX, Catia, SolidWork, C++
- Microsoft Office Suite Programs, Scheduling, Planning, Execution, Finishing and Time/Risk Management
- Electrical Distribution Systems, Power System Stability and Efficiency, Renewable Energy
- Backup, Drafting, Circuits and Electrical Design, Interpreting Engineering Drawings and Specifications
- Transmission Line Analysis, Power System Analysis, Capacity Compensation, Transmission Line Analysis
- High Voltage Protection, High Voltage Grade Stability, Balanced 3-Phase Systems, Power Conversion
- DC-AC, Transformers, Cables, Power Supply, 3-Phase High Voltage Experience

PROFESSIONAL EXPERIENCE

Quality inspection and Operation, Celestica, Toronto, ON

2018-Present

Gained valuable hands-on experience supporting team of Engineers responsible for safe, efficient Aircraft motherboard QA/QC duties. Performed quality testing on X-ray, pre/post wave and electrical testing

- Performed applicable risk and root cause analysis using engineering quality problem solving techniques
- Documented quality investigations in compliance with AOI regulations and corporate reporting requirements
- Built collaborative report with Operation/Quality Engineers to effectively maintain the high-Quality standardization and specification
- Expertly performed preventative maintenance and calibration of equipment and systems, earning outstanding reputation for proficiency and quality
- Increased the efficiency by 5% and maintained high-quality control for circuits boards products
- Decreased quality paperwork turn-around time by 50% thus resulting in quicker overall final inspections and faster shipment of circuits boards to clients

Site Electrical Engineer, Al Kassar Engineering Firm, Beirut, Lebanon

2015–2016

- Supervised project execution, evaluate and monitor manpower productivity (supervisors, foremen and technicians), and Scheduled the work in accordance to project timeline and deadlines
- Performed technical and comparative economic analysis of assorted designs to select the best in terms of economy and life estimate
- Directed managing and supervision for the electrical work to maintain the performance on jobsite, Conducting the initial tests and inspections for the electrical items
- Reported the electrical work items to the project manager and Prepared the submittals of electrical materials and reporting to the QC and Project Manager.
- Worked cooperatively with other departments to meet the labor objectives, diagnosed complex equipment

problems, met scope and budget

- Reviewed drawings (prepared by drafting group) required for the suppliers and construction
- Applied and tested different circuit designs, and power sources options such as rechargeable batteries, generators
- Provided in person checking and testing for final electrical system prototyping, to ensure the accurate safety standards
- Monitored the connection process and cable preparation for the production line

Achievements:

- Saved potentially thousands in production costs by identifying strategic improvements to product life cycle during the New Product Development (NPD) process.
- Triggered 2.3% increase in productivity with efficiency and professionalism
- Played key role in ensuring team efforts met—and often exceeded—all financial, performance, quality, and reliability goals.

Project Coordinator and Estimator, Kassap Firm, Beirut, Lebanon

2014–2015

- Ensured conformance of specifications and drawings, safety reviews, coordinated consultant assistance during project implementation and supported commissioning
- Ensured specialist trade contract compliance, resolved technical problems, updated on modern technology and methods, monitored tasks related to inspection of the materials and quality of the completed projects
- Checked compliance with contractual requirements; maintained records, schedules and documents; prepared standard reports; reviewed plans and specifications
- Provided constructive review with consultants; worked with the project managers to develop and monitor the trade-specific contractor progress
- Coordinated with the site and Superintendent as required, and Reviewed the shop drawings
- Reviewed the site instructions, change notice pricing and progress claims
- Worked with project manager and contractors to develop and monitor project schedule
- Liaised with building authorities and regulatory agencies

Power Research Assistant (Summer Student), Association of Engineers In Syria

2013–2014

Prepared calculations, designs, and project scope, starting from the power plant to the terminal including transformers, transmission-lines, Electrical Distribution Systems, Power System Stability and Efficiency study, Renewable Energy resources, loads and turbines etc..., all under the supervision of professional engineers and project managers and PHD professors.

- Used the ETAP plans, GIS data, and customers and owners' database for improvement and designing purposes
- Performed distribution systems, power systems and loads designs, Simulink and calculations
- Assisted in the development of conductors' replacement, structure replacements, and other major overhead

Electrical Engineer Intern (Summer Student), SEAKR Engineering Firm, Homs, Syria

2011–2013

- Planned and scheduled projects, and estimated time and materials
- Maintained records on electrical jobs and assigned to appropriate personnel
- Assisted in coordinating job assignments with other trades, e.g., plumbers, carpenters, etc., and assisted contractors on jobs
- Provided technical support concerned with installation, modification and repair of electrical assignments

EDUCATION

Bachelor of Electrical Power Engineering, Al Baath University - Faculty of Electrical Engineering	2014
Ryerson University IEEQB Program, Electrical Power and Control Engineering	2018
(IEEE) Membership Institute of Electrical and Electronics Engineers	2018
Engineer Intern (EIT), Professional Engineers of Ontario (P.E.O)	2017
Association of Engineers in Syria	2015