



AHMED MOHAMED ELHADI HASSAN

ELECTRICAL ENGINEER

PERSONAL PROFILE

Experienced Electrical Engineer with over 10+ years of experience in Irrigation Systems Maintenance, Power Generators, Water Pump, Medium and Low Voltage Switchgear within major agricultural Projects . Excellent reputation for resolving problems and continuous improvement. Recognized consistently for performance excellence and contributions to success in electrical site projects. Strengths in Project Management and Planning backed by an MBA in Project Management.


WORK EXPERIENCE

Electrical Services Supervisor

DAL Agriculture | Jul 2017 - present

- Supervise all Electrical equipment, motors, diesel power generators and pivots irrigation systems. - carry out routine inspection, recommend preventive and corrective maintenance.
- Design and build power systems, circuits and panels.
- Perform control and synchronization of power generators and the main national power supply using advanced comAp products and equipment.
- Re-wire, adjust and install control panels and voltage regulators.
- Troubleshoot, diagnose, and repair irrigation systems and provide guidance to other technicians.
- Overseeing the purchasing and maintenance of the electrical equipment on-site.
- Evaluate the efficiency of electrical systems, machinery, components and products.
- Use computer-assisted engineering and design software to create technical plans.
- Provides electrical engineering recommendations and technical support on electrical engineering reviews, strategic plans, and projects.
- Assists with allocation, budgeting, resource planning, and scheduling.
- Manages unit and development cost estimations and helps determine affordable and reliable material sources.

CONTACT ME AT

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SKILLS SUMMARY

- Project Management
- Megger Insulation Tester
- Megger Underground Cable Locator
- CAT Electronic Technician Software
- Budgeting and Cost Analysis
- Process Improvement

LANGUAGES

English - Fluent

Arabic - Native

Electrical Engineer

DAL Agriculture | Jun 2013 - Jul 2017

- Installation . testing and maintenance of pivots irrigation systems to ensure adequate performance
- Performed maintenance procedures and repairs on existing electrical products and systems.
- Perform detailed calculations to compute and establish manufacturing, construction, and installation standards and specifications.
- Plan and implement research methodology and procedures to apply principles of electrical theory to engineering projects.
- Prepare and study technical drawings, specifications of electrical systems, and topographical maps to ensure that installation and operations conform to standards and stakeholder requirements.

Electrical Engineer

DAL Agriculture | Jun 2009 - Dec 2011

- Performed analysis to evaluate power needs for various systems, including Water Pump and Pivots Irrigation systems.
- Proposed electrical product and system modifications to improve quality and efficiency.
- Evaluated installed electrical equipment and systems to isolate faults and implement corrective actions.
- Evaluates electrical systems, products, components, and applications by designing and conducting research programs; applying knowledge of electricity and materials.

EDUCATIONAL HISTORY

Sudan International University

MBA in Project Management | 2018 - 2021

- Studied project planning, coordination, and ethics.
- Worked with various startups on launching new Projects and services.

Sudan University of Sciences and Technology

BSc. in Electrical Engineering (Power & Machines) | 2002 - 2007

PROFESSIONAL COURSES

Various Courses in the field includes:

- ComAp Training, ComAp a.s., Prague, Czech Republic, March 2019.
- Autocad for Electrical Design and Workshop Drawing, Exemplar Center for Engineering Training and Career Development, Sudan, Oct 2017.
- Low Voltage Switchgear, Exemplar Center for Engineering Training and Career Development, Sudan, Aug 2016.
- Electrical Power Testing and Commissioning, Exemplar Center for Engineering Training and Career Development, Sudan, Aug 2016.
- Electrical Installations Design for Building and Facilities, Exemplar Center for Engineering Training and Career Development, Sudan, July 2016.