

Moutasem Bdeir

CONTACT



Jeddah, KSA



+966-509633310



moutasem.bdeir@gmail.com

PROFESSIONAL AFFILIATIONS

- Member, Jordanian Engineers Association

• TRAINING, COURSES AND CERTIFICATIONS

- Solar PV System Design ((Off Grid Systems)) – SEC Co
- Change Ambassador – Management and Leadership.
- High Voltage Cables Installation – Field Training - CEPCO Co.
- Substation Design and electrical Calculation Courses – Merit Design Consulting Co.
- Electrical and Mechanical Courses Related to the M.V and H.V Power Cable and OHTL Designing and Technical Supporting.

PERSONAL STATEMENT

A reliable, capable, and enthusiastic supervisor who is able to take on the management and coordinating duties of any leadership role.

I am a Lead Design and Technical Engineer with a deep understanding of LV, MV, HV cable, OHTL, Solar PV System Design (Off Grid Systems), and Substations Systems with more than 18 years of experience.

Strong managerial, time-management, and communication skills. Excellent at juggling multiple tasks, working under pressure, and contributing effectively to a team environment.

Currently looking to join a suitable organization that rewards hard work and offers good opportunities for career development.

EDUCATION

2001-2006

**Bachelor of Electrical Power System and Machine Design Engineering
Yarmouk University, Irbid, Jordan**

2000-2001

**General Secondary Education Certificate-Tawjihi Scientific
Stream Secondary of Irbid High School, Irbid, Jordan**

EXPERIENCE

- **February 2017 till Technical Manager** - CEPCO [Civil & Electrical Projects Contracting CO.]
 - Leading a team of engineers to prepare engineering design, including system architecture/SLDs, Shop drawings, cable routing drawings, installation drawings, design calculations, design reports, etc.
 - Leading the engineering team in engineering submission, and the value of activities.

- High Voltage Cable Accessories and Cable Design in HAWARD Technology Middle East in DUBAI
- CYMCAP - Demonstration of new features - new issues in cable rating calculations - CYMCAP 360° training in Paris France
- CYMGRD: Substation grounding analysis software
- Quality Management System Internal Auditor Training Course ISO 9001:2000.
- Low Voltage Cables Calculation including the Overhead Lines (Electrical and Mechanical Courses)
- BIM – Building Information Module -MEP engineering

SOFTWARE SKILLS

- CYM CAP [Full Package] – professional.
- PLS-CADD Bentley
- Substation Grid – CYMGRD
- OHTL – ASPEN
- MATLAB – professional
- Packages: All MS office, AutoCAD – professional

- Coordination of engineering tasks among the internal team, various sub-contractors, and MEP & Civil team.
- Attend Various Technical, Design, and Progress Meetings with Client/Consultants and SEC to Resolve Technical Issues.
- Conduct Site Visits to Finalize any Technical Issues Raised During Engineering, Inspection, Site Construction, Testing, and Commissioning Stages.
- Plan and Implement Cost Reduction Techniques in Each Project Which Helps the Company to Increase Annual Revenue.
- Deep knowledge in the design of Accessories for HV and EHV Power Cables Including Joints, Terminations & Link Boxes.
- Prepare/Approve Cost Estimations Sheets for all Tenders/Projects represented by underground cable, substation, and tunnels...etc.
- Provide All Types of Technical Support to Project Managers, Procurement, and Clients when Required.
- Study and Analyze the Technical Tenders, Customer Requirements, and Projects Needs and Prepare the Complete Technical Offer that Meets the Full Customer and Project Recruitments Including the Following:
 - Review and Study of Saudi Electricity Technical Specifications Related to Power Cable, OHL and installations and Prepare Test Procedures and Formats.
 - Review and Study of Saudi Electricity Technical Specifications Related to Power Substations.
 - Support resolving all Technical Issues on Design and Installation Stages Raised by Co. Staff or Client/Consultants to Ensure Quality with SEC specifications and Requirements, IEC ... etc.
 - Prepare Schematic Diagrams of Power Cable/OHL 69 kV - 380 kV Roots.
 - Review/Approve Single Line Diagram of Substation Layouts.
 - Optimize Backfilling (Trench), Road Crossing (Duct Bank) and Horizontal Directional Drilling (HDD) to reduce costs.
- Expert in cable and substation electrical calculations.

LANGUAGES

Arabic: Native

English: Proficient

- Authorized Instructor by EATON to give comprehensive training in Ampacity Calculations, Using CYM-CAP Software full modules.
- **March 2012- September 2017 Assistance Technical Manager** at CEPCO (Civil & Electrical Projects contracting Company)
Duties and responsibilities can be discussed during the interview.
- **March 2009-March 2012 Senior Engineer HV Projects at Bids and Proposals** (Transmission Lines up to 380KV) - [JCC Jeddah Cable Co.] - March 2009 - March 2012
Duties and responsibilities can be discussed during the interview.
- **May 2006- February 2009 Technical & Design Section Head** at - [JNCC - MESC Group]
Duties and responsibilities can be discussed during the interview.