

# ABDUL-FATTAH MOHAMED ABOU-SAID

## Senior Electrical Engineer

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Location: Riyadh, Saudi Arabia  
Status: Available for Sponsorship Transfer

### PROFESSIONAL SUMMARY

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Dedicated Senior Electrical Engineer with 15 years of progressive experience in electrical infrastructure design, project management, and large-scale construction projects. Proven expertise managing multi-billion SAR infrastructure developments including King Salman Park, Green Riyadh initiatives, and major urban projects. Specialized in medium voltage systems, low voltage systems, technical office management, and team leadership. Strong capabilities in tender pricing, quality control, regulatory compliance, and MEP coordination. Successfully managed electrical projects worth over 6 billion SAR with zero major incidents across 15 years of professional experience.

### CORE COMPETENCIES

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- Electrical Infrastructure Design and Management
- Medium Voltage Systems (MV Networks)
- Low Voltage Systems (LV Networks)
- Project Management and Coordination
- Technical Office Management
- Preparation and Analysis of Detailed Price Quotations
- Pricing of Electrical, Mechanical and Infrastructure Projects
- Preparation of Quantity Schedules and Price Analysis
- Study of Technical Specifications and Engineering Drawings
- Quality Control and Assurance
- Team Leadership and Supervision
- Telecommunications Networks
- Street Lighting Systems Design
- Construction Management
- Regulatory Compliance and Standards
- MEP Coordination
- Budget Management and Cost Control
- Contract and Tender Management
- Vendor and Stakeholder Management
- AutoCAD and Electrical Design Software
- ETAP Power Systems Analysis
- Revit MEP Building Information Modeling
- Dialux Lighting Design Software

### PROFESSIONAL EXPERIENCE

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#### Haif Trading and Contracting Company

*Riyadh, Saudi Arabia*

*February 2020 - Present*

#### Electrical Department Manager

*May 2024 - Present*

**Managing Portfolio: 8 Major Infrastructure Projects totaling 4.3+ Billion SAR**

#### Key Projects:

- King Salman Park Infrastructure Development Phase 2 (1.8 Billion SAR)
- Green Riyadh Group 8 Project (480 Million SAR)
- Grand Mosque Infrastructure King Salman Park (350 Million SAR)
- Upper Plateau Roads TBN-17 and TNS-05 (285 Million SAR)
- Deriaa Gate 11 Western Ring Road Service Road Upgrade Project (495 Million SAR)
- Construction of Storage and Pumping Facilities for TSE at King Salman Park Green Riyadh (425 Million SAR)
- Construction of Storage and Pumping Facilities for TSE at Almanfouha Green Riyadh (475 Million SAR)
- Construction of Storage and Pumping Facilities for TSE at Dharat Albadiaa Green Riyadh (435 Million SAR)

#### Key Responsibilities and Achievements:

- Direct strategic planning and execution of electrical infrastructure projects across 8 major sites simultaneously
- Lead multidisciplinary engineering teams of 50+ engineers, technicians, and contractors
- Manage project budgets exceeding 4.3 billion SAR with cost control and optimization
- Prepare and analyze detailed price quotations for electrical, mechanical and infrastructure projects
- Conduct comprehensive study of specifications and drawings, prepare quantity schedules
- Perform price analysis and follow up technical correspondence with consultants, suppliers and subcontractors
- Participate in pricing major projects, many of which were successfully awarded due to accurate technical and financial analysis
- Implement quality assurance programs ensuring 100% regulatory compliance with Saudi Electricity Company standards
- Coordinate with stakeholders including government agencies, consultants, contractors, and vendors
- Prepare comprehensive progress reports, technical documentation, and project presentations
- Establish and maintain relationships with clients, vendors, suppliers, and engineering professionals
- Develop project schedules, budgets, and resource allocation plans
- Ensure safe work environment maintaining zero lost-time incidents record

### **Electrical Manager - King Salman Park Infrastructure Phase 1**

*March 2022 - May 2024*

**Project Value: 1.5 Billion SAR**

#### **Project Scope - Four Major Electrical Systems:**

- Medium Voltage Network System (33kV and 11kV distribution)
- Low Voltage Network System (380V and 220V distribution)
- Street Lighting System (decorative and functional lighting)
- Extra Low Voltage System - Telecommunications and Data Networks

#### **Key Responsibilities and Achievements:**

- Managed complete electrical infrastructure design, installation, and commissioning for 1.5 billion SAR project
- Developed, reviewed, and approved electrical design plans, technical specifications, and work schedules
- Supervised installation of medium voltage substations, switchgear, and distribution networks
- Directed low voltage network infrastructure development including distribution panels and wiring systems
- Oversaw telecommunications network implementation including fiber optics and structured cabling
- Led comprehensive street lighting network projects including controls and monitoring systems
- Coordinated with international contractors, engineering consultants, and equipment suppliers
- Ensured strict quality control and compliance with SEC regulations, IEC standards, and project specifications
- Prepared detailed progress reports, technical submittals, and comprehensive documentation
- Conducted equipment diagnostics, troubleshooting, and performance testing
- Analyzed existing processes and implemented improvement initiatives reducing costs by 15%
- Led technical reviews and approval processes for all electrical systems and components
- Managed team of 35 electrical engineers and technicians

### **Technical Office Manager**

*February 2021 - March 2022*

#### **Key Responsibilities and Achievements:**

- Led technical office operations managing all electrical department documentation and submittals
- Reviewed and approved shop drawings, technical submittals, and material specifications
- Coordinated effectively between design teams, construction crews, and project management
- Managed complete project documentation including as-built drawings and O&M manuals
- Prepared accurate tender pricing and detailed cost estimates for new projects
- Supervised technical staff of 12 engineers and CAD technicians
- Maintained compliance with Saudi Building Code, SEC standards, and international regulations
- Participated in professional development including technical conferences and training programs
- Implemented document control system improving approval turnaround time by 30%

### **Assistant Technical Office Manager**

*February 2020 - February 2021*

**Project:** CAP-1 King Abdullah Security Centers Development

**Location:** Asir and Jazan Regions

**Scope:** 38 Security Center Buildings

#### **Key Responsibilities and Achievements:**

- Assisted in comprehensive review of electrical designs and technical specifications for 38 buildings
- Prepared detailed material takeoffs, quantity surveys, and bill of quantities
- Coordinated extensively with design consultants, engineering firms, and architects
- Reviewed shop drawings and technical submittals ensuring compliance with specifications
- Participated actively in tender pricing activities and cost analysis for competitive bidding
- Maintained organized project documentation and electronic filing systems

- Supported on-site coordination activities and field inspections
- Contributed to quality control processes and technical evaluations
- Assisted with procurement of electrical materials, equipment, and specialized supplies

### **Khudair For Trade and Construction**

*Khobar, Saudi Arabia*

*January 2011 - February 2020*

#### **Senior Electrical Engineer**

*December 2015 - February 2020*

#### **Tabuk University - King Faisal Air Base North Sector**

*December 2016 - July 2020*

##### **Key Responsibilities and Achievements:**

- Designed electrical systems and components for university educational and administrative facilities
- Planned, developed, and tested electrical equipment and systems ensuring safety, reliability, and code compliance
- Maintained electrical equipment, distribution systems, and building components ensuring optimal performance
- Researched, evaluated, and recommended new technologies, equipment, and sustainable applications
- Developed comprehensive test plans and performed commissioning tests on electrical circuitry and systems
- Performed preventive and corrective maintenance on electrical distribution, lighting, and power systems
- Directed installation and maintenance of electrical systems, switchgear, and protection equipment
- Procured electrical materials, supplies, specialized equipment, and contractor services
- Assisted in preparation of cost estimates, project budgets, and financial planning
- Planned, scheduled, and evaluated projects using project management techniques
- Directed research, development, and design of electrical distribution systems

#### **King Fahd Air Base Western Sector - Taif**

*December 2015 - November 2016*

##### **Key Responsibilities and Achievements:**

- Reviewed and interpreted electrical specifications and MEP coordination requirements
- Assisted in introduction of new construction methods, equipment, and installation techniques
- Managed and expedited consultants submittals, RFIs, and construction documentation
- Coordinated with MEP Construction Manager, Project Manager, and site Superintendent
- Optimized allocation of manpower, materials, and equipment for electrical installations
- Ensured timely delivery of site documentation including material delivery notes and daily reports
- Implemented logistic planning processes improving productivity and reducing delays

#### **Electrical Site Engineer**

*January 2011 - December 2015*

#### **Buildings of Air Monitoring Unit - Multiple Sites**

*January 2011 - February 2012*

**Locations:** Arar, Rafhaa, Toreif, Solayel, Nareya

**Project:** Establishing administrative offices and service facilities for radar center officers and personnel at 8 sites across Saudi Arabia

##### **Key Responsibilities:**

- Supervised electrical wiring installations for administrative buildings and service facilities
- Coordinated with project teams across multiple remote locations in northern regions
- Ensured compliance with Saudi electrical standards and safety regulations
- Managed site-level electrical installations, testing, and commissioning activities

#### **Port Khafji Customs Residential and Commercial Complex - Al-Khafji**

*February 2012 - November 2014*

**Project:** Saudi Customs Residential and Commercial Complex for employees

##### **Key Responsibilities:**

- Developed working schedules from look-ahead programs coordinating with MEP manager
- Conducted daily meetings with supervisory staff organizing work activities
- Maintained as-built drawing records documenting all field changes
- Participated in design reviews and construction coordination meetings
- Supervised electrical installations for residential units and commercial spaces

#### **King Fahd Armed Hospital - Jeddah**

*December 2014 - December 2015*

**Project:** Multi-Story Parking Facility

**Key Responsibilities:**

- Translated look-ahead programs into detailed working schedules for site supervisory staff
- Conducted daily coordination meetings with site supervisors organizing daily work scope
- Recorded construction changes and updates for as-built drawings delivery
- Participated in engineering design reviews and construction coordination processes
- Supervised electrical installations for parking facility including lighting, power distribution, and fire alarm systems

**EDUCATION**

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**Bachelor of Electrical Engineering**

Mansoura University, Faculty of Engineering

Mansoura, Egypt

**Graduation:** 2010

**Specialization:** Electrical Power Systems and Wiring Installations

**Focus Areas:** Industrial, Commercial, and Residential Electrical Systems

**TECHNICAL SKILLS**

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**Software Proficiency:**

- AutoCAD (Electrical design and drafting)
- AutoCAD Civil 3D
- Dialux and Dialux Evo (Professional lighting design and analysis)
- ETAP (Electrical Transient Analyzer Program - Power systems analysis)
- Revit MEP (Building Information Modeling for electrical systems)
- MS Office Suite (Word, Excel, PowerPoint, Project)
- Project Management Software

**Technical Expertise:**

- Electrical Power Distribution Systems
- Medium Voltage Networks (33kV, 11kV)
- Low Voltage Networks (380V, 220V)
- Electrical Load Calculations and Analysis
- Short Circuit and Protection Coordination Studies
- Lighting Design and Analysis
- Electrical Earthing and Lightning Protection Systems
- Building Management Systems (BMS)
- Fire Alarm and Detection Systems
- MEP Coordination and Clash Detection
- Electrical Code Compliance (SEC, IEC, NEC)

**LANGUAGES**

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- Arabic - Native
- English - Fluent (Professional Working Proficiency)

**KEY ACHIEVEMENTS**

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- Successfully managed electrical infrastructure projects valued at over 6 billion SAR
- Participated in pricing and analyzing quotations for numerous major projects with many successfully awarded
- Led multidisciplinary engineering teams delivering complex infrastructure projects on schedule and within budget
- Implemented comprehensive quality control systems achieving zero major electrical safety incidents across all managed projects
- Established efficient project management protocols and procedures adopted as company-wide standards
- Maintained 100% regulatory compliance record across all managed projects with Saudi Electricity Company and Civil Defense
- Successfully delivered 38 security center buildings for King Abdullah Security Centers Development Project
- Managed electrical systems design and installation for multiple military bases and government facilities
- Reduced project costs by 15% through process optimization and value engineering initiatives
- Improved technical office approval turnaround time by 30% through implementation of document control systems