**~ SENIOR MANAGEMENT PROFESSIONAL ~**

**HAMZA**

**Bachelor Degree of Electrical Engineering**

**E-Mail:** hamza.375179@2freemail.com

*A versatile, high-energy professional with the distinction of executing prestigious projects of large magnitude within strict time schedule, cost & quality; targeting assignments across* ***Project Planning & Management / Operations & Maintenance / Erection & Commissioning***

***Location Preference: KSA, UEA, Qatar, Kuwait. Bahrain, Oman***

**ǁ Objectives ǁǁǁǁǁǁ**

Senior electrical Engineer ( power and electronics ) having various experiences in the fields of : petroleum industry, water & sewerage works, industrial & buildings design, value engineering, supervision, quality control and management.

Seeking a job in the engineering & managerial fields where my abilities and experiences will be fully utilized to build up a high quality engineering competencies that combine both advanced professional and practical career.

**ǁ Career Summary ǁǁǁǁǁǁ**

* A competent professional, graduated “Ingénieur Principal Electrotechnique" June 1982 (French System), with over 33 years of commendable success in:

**\* Project Management \* Operations & Maintenance \* Erection & Commissioning**

**\* Installations & Testing \* Safety Management \* Cost & Budgetary Control**

**\* Electrical Systems Design \* Value Engineering \* Process Enhancement**

* Extensive multi-disciplinary experience in various engineering and managerial fields in Tunisia & Saudi Arabia; expertise in handling invoicing & payment collection as well as in assisting the preparation and approval of standards
* Talent for proactively identifying & resolving problems, ramping up project activities with on time deliverables and maximizing efficiency; preparing/ processing technical and financial proposals for new bids, setting up projects time schedules and managing project workload & team activities
* Familiar with the electrical engineering software tools, methods, codes and standards used in design and in the preparation of CSI specifications & BOQ and on the construction cost estimation of projects
* In-depth knowledge electricity laws & environmental issues during construction of transmission lines & sub-stations; proficient with the concepts of maintenance of transmission lines to achieve maximum availability of lines
* Conducted several training courses addressed to Electrical Engineers organized by the Engineering Training Center in MOMRA
* An enterprising leader with the ability in leading and directing personnel towards accomplishment of a common goal; proven expertise of working effectively under pressure in a complex global & multicultural environment

**ǁ Work Experience ǁǁǁǁǁǁ**

**Otaishan Consultant Engineers (OCE) Riyadh - Saudi Arabia (Sept 2009 – Sept 2017)**

**Design Manager & Head of Electrical Department**

**Key Result Areas:**

* Leading the Design Departments in parallel to the Electrical Department; managing the workload of project discipline Engineers & Technicians; working on project team activities, responding to customer needs, handling the electrical power & low current design works and solving technical problems
* Monitoring and executing power plant projects with respect to budgeted cost, demand forecasts & time over-runs to ensure their timely execution; coordinating with other departments for project electrical requirements
* Conducting cost benefit analysis of the projects including feasibility studies, assessment of the requirements, interface and commissioning; guiding the preparation and submission of offers for tender inquiries; preparing technical & financial proposals for new projects & works; planning & monitoring job resourcing/ expenditure
* Anchoring on-site erection & commissioning of plants and ensuring effective resource utilization to maximize the output; ascertaining compliance to safety, economical and technical assessments to secure the best economical results
* Designing single line diagram, control logic diagram, schematics wiring, instrument datasheet preparation, instrument hook-up, panel layout, bill of material, operations PLC I/O list and interlocks & control philosophy
* Reviewing the engineering/ design changes & resolving quality related problems associated with design
* Designing the HT/LT - transmission & distribution systems for rural electrification works and handling the sizing of equipment, earthing & lighting and equipment layouts
* Planning material and developing vendors for obtaining timely procurement of materials & equipment at cost effective prices to ensure smooth execution of projects; working on succession planning of the workforce, shift management activities, appraising members’ performance & providing feedback; participating in Value Engineering Workshop

**Highlights:**

* Gained knowledge to use Dialux, Calculux, EasyLux software’s for lighting calculations as well as Ecodial, DocWin software’s for load, VD and short circuit calculations
* Performed calculation and sizing of Stand-by generators, UPS’s, Isolated Power Sources and Capacitor banks (power factor correction) calculation & sizing
* Worked on Medium & Low Voltage switchgears, cables and power management systems; prepared demand load, voltage drop & short circuit calculations
* Set-up Fire Alarm, Public address, CCTV, MATV, Access Control Systems, Nurse Call & Isolated Power Systems in Hospitals as well as Project Load Calculations, Specifications & Bill of Quantities

**ǁ Previous Experience ǁǁǁǁǁǁ**

**Ministry of Public Works & Housing / Ministry of Municipal & Rural Affairs Sep’97 – Aug’09**

**Senior Electrical Engineer**

* Entrusted with the duty of accomplishing the design of the electrical systems & services required for public buildings based on IEC,NEC, BS and Saudi standards; establishment of general specifications and BOQ
* Participated to supervise teams and to projects handing over committees
* Provided courses & training programs for Engineers in the Engineering Training Center; conducted 2 sessions (Protection of building against lightning according to the Saudi Building Code & Safety in the design and erection of the electrical installations and equipments in buildings)
* Conducted study & research related to the electrical protection discrimination mainly in the field of current limiting devices and over current protection coordination & discrimination schemes
* Performed harmonic filtering & power factor improvement systems analyses & study in industrial factories

**Compagnie Tunisienne de Forage (CTF) Tunis, Tunisia Oct’95 – Aug’97**

***Chef de Service Sécurité & Logistique* (Head of Logistic & Security Department)**

* Set-up all security measures & requirements to be applied on drilling rigs, on-shore & off-shore platforms based on national & international safety regulations
* Led all on-shore rigs DTM (Demontage Transport & Montage) as well as company rigs estimated Budget based on annual contracted activities; managed all company rigs DTM requirements for mobilizations & demobilizations from petroleum deep well to another (drilling or work-over)
* Introduced safety procedures & requirements and ensured their application on site
* Performed periodic sites inspections for safety systems, procedures and equipments adherences
* Applied feedback and studies results to ensure high quality performance to the benefit of CTF Clients; improved competences & productivity to gain their respect and satisfaction
* Participated with APAVE France specialists to the Supervision of the construction and assembly of the E2000 Oil-Well on-shore drilling Rig on the Houston yard of Oil-well Company (1983)
* Played a key role along with DNV & VERITAS Specialists for the Supervision of the construction and assembly of the Continental EMSCO C2 Type II off-shore drilling Rig on Houston Brown Services Incorporation yard (1986)

**Water & Sewerage Authority (WSA) Al-Khobar / Saudi Arabia Mar’88 – Aug’95**

**Operation & Maintenance Electrical Engineer**

* Set-up of preventive & curative maintenance programs based on equipments manuals; troubleshot books, control & supervision of the Operation & Maintenance works accomplished and applied to the electrical systems of all water, sewerage and wells pumping stations at Al-Khobar
* Participated to implement a maintenance follow-up software ensuring full computerized periodic preventive maintenance scope of work for electrical systems, installation of the water & sewerage pumping stations, sewerage treatment plants, spare parts stock management and contractor’s invoices checking
* Led a team of Engineers & Technicians; supported them in their regular work
* Managed & supervised the Operation & Maintenance works & procedures of the electrical installations of power distribution transformers, stand-by generators, MV & LV switchgears & distribution panel boards, star-delta & autotransformers starting, local control panels for the water & sewerage pumping stations and STP at Al-Khobar
* Implemented the procedures of the Computerized Maintenance Management System (CMMS) including spare parts & Stock Management in coordination with related Departments & Engineers
* Planned & set-up the design criteria & general requirements of the new water & sewerage pumping stations and sewerage treatment plants

**Compagnie Tunisienne de Forage (CTF) Tunis, Tunisia Oct’82 – Feb’88**

**Chef de Service Electricité (Head of the Electrical Section)**

* Led a team of Engineers & Technicians; supported them in their regular work
* Managed & supervised the Operation & Maintenance works & procedures of the electrical installations of all Company Rigs operated anywhere and ensure required spare parts procurement for SCR modules, generator sets, mud pumps, draw-works, rotary tables, lighting and general power equipment’s

**ǁ Education ǁǁǁǁǁǁ**

1. Bachelor of Electrical Engineering - Ingénieur Principal (French System) from Ecole Nationale d’Ingénieurs de Tunis (ENIT) Campus Universitaire

**ǁ Membership & Accreditations ǁǁǁǁǁǁ**

* Member of the Saudi Arabian Standard Organization SASO
* Member of the Saudi Building Code Committee SBCNC
* Non-permanent consultant of Public Pension Agency (Dhabab Towers, King Abdullah Financial District, the Information Technology & Communication Complex)
* Ex-Member of MOMRA Engineering Training Center

**ǁ Design Services ǁǁǁǁǁǁ**

**\* Design services include:**a) Indoor and outdoor lighting & power calculation & design for conventional and Smart Buildings
b) Power Single Line Diagrams calculation & Design for all type of Projects

c) Infrastructure Networks Design
d) Design Review & Localization
e) Value Engineering Studies as per SAVE International, USA
f) Conventional & IP Low Current Systems (LCS) design (Tel & Data, FA, PA, CCTV, MATV, Nurse Call, Master Clock)
g) Power Cables and Bus ways calculation and sizing for high rise buildings
h) Stand By Generators & UPS's calculation and sizing

i) Earthing & Lightning Protection assessment and design

j) Power factor improvement calculation, sizing and installation

**\* Type of Buildings/Projects:**

a) Hypermarkets and Commercial buildings
b) Hospitals and Medical Health care facilities

c) Schools, Universities and education Buildings
d) Hoses and Residential Buildings
e) Administrative and Office Buildings
f) Warehouses and Industrial Buildings
g) Special Buildings (Hazardous Locations)

h) High Rise Buildings

**ǁ Trainings ǁǁǁǁǁǁ**

* Société Tunisienne d’Electricité & de Gaz (STEG ) 1 Month/ 1980
* Danish Telephone Company – Odens – Denmark 2 Months/ 1981
* Ross Hill Controls Corporation – USA Houston/ Texas (SCR Drive System) 1983
* General Electric – Houston / Texas ( Electric Rig Operation & Troubleshooting) 1983
* Petroleum Extension Service of University of Austin/ Texas USA 1983
* Insurance of Quality Control according to ISO 9000 (JAWDA Institute/ Tunis) 1996
* Comment Réaliser et Analyser l’Etude des Dangers (Prévention Plus/ Tunis) 1997

**ǁ IT Skills ǁǁǁǁǁǁ**

* MS Office: MS Word, MS PowerPoint & MS Excel
* Operating Systems: DOS, Windows.
* Spread Sheets: MS Projects, Excel
* Word Processing: Win-word
* AutoCAD
* Software: Lighting Design Software's (Dialux, Calculux, Eazylux),

 Power Design Software's: Ecodial (Schneider Electric), SIMARIS (SIMENS), DOC WIN (ABB) and

 ETAP Power Analyses & Design Software

**ǁ Personal Details ǁǁǁǁǁǁ**

Date of Birth: 20th January 1957

Languages Known: English, French & Arabic

Mailing Address: Kingdom of Saudi Arabia

**Major Handled Projects**

#### I – Within the Ministry Of Municipal and Rural Affairs (MOMRA)

**1- Pilgrims Bridge**

 Type : Multi-floor Jamarat bridge and surrounded areas

 Area : 450.000 m2 Floors : 5 Power : 60.000 KVA

 Owner : Ministry of Municipalities & Rural Affairs / Ministry of Hajj

* Location : Mina / Saudi Arabia

**2- Pilgrims Pilot Residential Towers**

 Type : Multi-floor Residential Building

 Area : 60.000m2 Floors : 8 Power : 12.000 KVA

 Owner : Public Pension Agency / Ministry of Hajj

* Location : Mina / Saudi Arabia

**3- Trafic Tunnels**

 Type : Trafic Tunnels

 Area : 50.000 m2 Floors : 1 Power : 6400 KVA

 Owner : Ministry of Municipalities & Rural Affairs / Ministry of Hajj

* Location : Mina / Saudi Arabia

**4- Prototype Branch of the Ministry of Islamic Affairs in KSA Regions**

 Type : Office

 Area : 3000 m2 Floors : 2 Power : 500 KVA

 Owner : Ministry of Islamic Affairs

 Location : Saudi Arabia Regions

**2- Pilgrims Pilot Residential Towers in MINA**

 Type : Tower

 Area : 5000 m2 Floors : 10 Power : 1000 KVA

 Owner : Civil Defense Authority

* Location : Mina Area / Saudi Arabia

**6- King Abdul Aziz Mosque in Abha**

 Type : Mosque

 Area : 2500 m2 Floors : 2 Power : 500 KVA

 Owner : Ministry of Islamic Affairs

* Location : ABHA / Saudi Arabia

**7- Riyadh Girls College Complex**

 Type : Educational Buildings

 Area : 80.000 m2 Floors : 4 Power : 16000 KVA

 Owner : Ministry of Education

* Location : Riyadh / Saudi Arabia

**8- Dhabab Towers (Design & Supervision)**

 Type : Investment Office Buildings

 Area : 75.000 m2 Floors : 6 Power : 16000 KVA

* Owner : Public Pension Agency (PPA)
* Location : Dhabab Street - Riyadh / Saudi Arabia

### 9- Information Technology & Communication Complex

Participate to the review of the Design of the Complex Infrastructure.

 Type : Infrastructure Design of the Multi Disciplines Communication Complex

 Area : 450.000 m2 Floors : Different Power : 85000 KVA

* Owner : Public Pension Agency (PPA)
* Location : North Riyadh / Saudi Arabia

**10- King Abdullah Financial District**

Evaluating the offers for the Design of the Financial District Infrastructure works

 Type : Infrastructure Design of the Multi Disciplines Financial District

 Area : 4.000.000 m2 Floors : Different Power : 800.000 KVA

* Owner : Rayada Investment Company
* Location : North Riyadh / Saudi Arabia

**11- Pilgrims Electric TRAIN METRO**

 Type : Electric train between ARAFAT – MUZDALIFAH - MINA

 No. of Lines : 4 Length : 16 KM Power : 90 MVA

 Owner : MOMRA

#### II - Within Otaishan Consulting Engineers (OCE)

**01- King Khaled University Hospital Expansion**

 Type : Medical, Service & Car parking Buildings

 Area : **110.000 m2** Floors : **7** Operation Theaters: **36** Power : **20.000 KVA**

 Owner : King Saud University

* Location : Riyadh / Saudi Arabia

**02- King Abdul Aziz University Hospital Extension**

 Type : Medical Building

 Area : 50.000 m2 Floors : 7 Operation Theaters : 4 Power : 10.000 KVA

 Owner : King Saud University

* Location : Riyadh / Saudi Arabia

**03- Faculty of Science**

 Type : Educational Building

 Area : 28.000 m2 Floors : 6 Power : 6.000 KVA

 Owner : King Saud University

* Location : Qassim / Saudi Arabia

**04- APU Hypermarket East ring Road (Al-Remal Center)**

 Type : Commercial Building

 Area : 46.000 m2 Floors : 3 Power : 16.000 KVA

 Owner : SAVOLA Group

* Location : East Riyadh / Saudi Arabia

**05- Medical Services Directorate Headquarter**

 Type : Office Building

 Area : 21.000 m2 Floors : 4 Power : 4.000 KVA

 Owner : MODA

* Location : Riyadh / Saudi Arabia

**06- Health Specialization Headquarter**

 Type : Medical & Staff Office Building

 Area : 8.000 m2 Floors : 4 Power : 2.000 KVA

* Owner : Al Riyadh Development Authority
* Location : Diplomatic City Riyadh / Saudi Arabia

**07- Technical Education Headquarter**

 Type : Office Building

 Area : 65.000 m2 Floors : 6 Power : 10.000 KVA

* Owner : General Directorate of Technical Education & Training
* Location : Riyadh / Saudi Arabia

**08- IKEA Store**

 Type : Commercial Building

 Area : 20.000 m2 Floors : 3 Power : 4.000 KVA

* Owner : IKEA
* Location : East Riyadh / Saudi Arabia

**09- APU Jubail (Al Huwalet Center)**

 Type : Commercial Building

 Area : 24.000 m2 Floors : 2 Power : 5.000 KVA

* Owner : SAVOLA
* Under : Jubail Royal Commission JRC requirements.
* Location : Jubail Eastern Province / Saudi Arabia

**10- GOSI Olaya Towers**

 Type : Office Building

 Area : 110.000 m2 Floors : 45 Power : 24.000 KVA

* Owner : General Organization for Social Insurance (GOSI)
	+ - * Location : OLAYA Riyadh / Saudi Arabia (Under Construction)

**11- API pharmaceutical facility**

 Type : Pharmaceutical Building

 Area : 25.000 m2 Floors : 2 Power : 9.6.000 KVA

* Owner : CAD pharmaceutical industries Middle East
* Location : KKIA area / Saudi Arabia

**12- INDIPCO DUCTILE PIPES FACTORY**

 Type : Industrial

 Area : 65.000 m2 Floors : Different Power : 30.000 KVA

* Owner : Saudi FAAL Holdings
* Location : Jubail Eastern Province / Saudi Arabia

**13- Al-MAQSURA Celebration Hall**

 Type : Celebration, Residential and VIP Seminar Buildings

 Area : 10.000 m2 Floors : 6 Power : 2.000 KVA

* Owner : Private (Al Rajhi group)
* Location : Riyadh / Saudi Arabia

**14- PSYCHIATRIC 600B hospital**

 Type : Medical Building

 Area : 125.000 m2 Floors : 3 Power : 25.000 KVA

* Owner : Ministry of Health
* Location : Jeddah / Saudi Arabia

**15- Dammam University Complex**

 Type : Central Area & Schools

 Area : 75.000 m2 Floors : 3 Power : 15.000 KVA

* Owner : Dammam University
* Location : Dammam / Saudi Arabia

**16- Narjis City Housing complex**

 Type : Residential, Schools and facility buildings

 Area : 100.000 m2 Floors : 3 Power : 20.000 KVA

* Owner : Institute of Public Administration
* Location : Riyadh / Saudi Arabia

**17- KAFD District cooling plants building services**

 Type : District Cooling Plant Building Services

 Provided to : SNC.LAVALIN, Abou Dhabi

* Owner : Rayada Investment Company
* Location : Riyadh / Saudi Arabia

**18- Faculty of IT**

 Type : Computer Educational Building

 Area : 25.000 m2 Floors : 3 Power : 5.000 KVA

* Owner : Dammam University
* Location : Dammam / Saudi Arabia

**19- Specialized Medical Clinics & Neurology Center**

 Type : Medical & Educational Building

 Area : 15.000 m2 Floors : 3 Power : 4.000 KVA

* Owner : Dammam University
* Location : Dammam / Saudi Arabia

**20- Al Darah Hospital & Medical Centre**

 Type : Medical & Health care building

 Area : 60.000 m2 Floors : 6 Power : 12.000 KVA

* Owner : AL DARAH Group - CIG
* Location : Riyadh / Saudi Arabia

**21- Government Complex Building**

 Type : Office Building

 Area : 25.000 m2 Floors : 3 Power : 5.000 KVA

* Owner : Royal Commission at Yanbu
* Location : Yanbu / Saudi Arabia

**22- Al Aziziah Residential Complex**

 Type : Residential Buildings

 Building Area : 1.500 m2 Floors : 5 Number of Buildings : 54 Power : 20.000 KVA

* Owner : Royal Commission at Yanbu
* Location : Yanbu / Saudi Arabia

**23- Recreation Centre**

 Type : Sports Building

 Area : 5.000 m2 Floors : 2 Power : 1.000 KVA

* Owner : Royal Commission at Yanbu
* Location : Yanbu / Saudi Arabia

**24- Graphic and Reproduction Buildings**

 Type : Industrial Building

 Area : 20.000 m2 Floors : 1.5 Power : 5.000 KVA

* Owner : Royal Commission at Yanbu
* Location : Yanbu / Saudi Arabia

**25- Special Needs Prototype School Building**

 Type : Educational Building

 Area : 16.000 m2 Floors : 2 Power : 4.000 KVA

* Owner : Ministry of Education / Tatweer Buildings Company
* Location : Different Regions / Saudi Arabia

**26- Different Prototype School Buildings**

 Type : Educational Building

 Area : 14.000 m2 Floors : 2 Power : 3.200 KVA

* Owner : Ministry of Education / Tatweer Buildings Company
* Location : Different Regions / Saudi Arabia