

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 15 years hands-on experience working in construction field and became a Project Manager.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 28/05/1983
Gender : Male
Marital Status : Married
Residence : Ain Shams, Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Helwan University, 2005

LANGUAGES

Arabic : Native Language
English : Good
German : Fair

COMPUTER SKILLS

: Windows, MS Office, Internet
: Linux/Unix OS
: Star Office and Libre Office
: Power Systems and Machines Modeling and Analysis using Mathworks, Matlab and ETAP
: Primavera 6, LibreCAD and Metatrader

TRAINING COURSES AND CERTIFICATIONS

: Operation and maintenance of 145KV GIS, Hyundai Heavy Industries (HHI), KSA (Jan. 2017):

- Electrical operation and schematic diagrams of LCC.
- Mechanical mechanism operation.
- Internal construction of all equipments CB, DS, 3 position DS, ES and High Speed ES.

: System House Factory for electric panels Co. (SEP), KSA (Dec. 2016):
IED Main protection relays (Bay Control Unit):

- SEL-411L - LINE DIFFERENTIAL PROTECTION:
 - Line Distance Protection.
 - Therotical concepts and Practical testing.

- Teleprotection schemes.
 - Switch on-to Fault.
 - Back-up protection functions.
 - SIEMENS - 7SD522 - LINE DIFFERENTIAL PROTECTION:
 - Line Distance Protection.
 - Therotical concepts and Practical testing.
 - Teleprotection schemes.
 - Switch on-to Fault.
 - Back-up protection functions.
 - SEL-487E - TRANSFORMER DIFFERENTIAL PROTECTION:
 - Differential Protection.
 - Therotical concepts and Practical testing.
 - Percentage Differential testing.
 - Harmonics Blocking.
 - Back-up protection functions.
- : Primavera Contract Manager, Al-Dareen Academy (online self study) (Jun. 2015):
- Track submittals and project budget.
 - Manage design changes and distribute contract drawings revisions.
 - Review change order for financial and technical impacts and make recommendations.
 - Forecast project budget.
 - Communicate up to date project details to project team.
- : Primavera P6, Al-Dareen Academy (online self study) (May 2015):
- Primavera P6 Basics.
 - Primavera P6 Advanced.
- : Project Management, Al-Dareen Academy (online self study) (Apr. 2015):
PMBOK ® Guide.
- : Power Plants operation and maintenance, Shoubra El-Kheima Power Station (Jul./Aug. 2003).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Dec. 2016 till Jan. 2020
- Employer** : Haif Holding Co. (KSA)
- Project** : Al-Kharj 132/13.8KV Substation S/S #8717:
Construction of AL-KHARJ 132/13.8KV Substation #8717, in Kharj area, with the following: One (1) no. 132KV SF6 Gas Insulated Switchgear (GIS) with Ten (10) nos. 132KV GIS Circuit Breakers and associated equipment, three (3) nos. 132/13.8KV, 67MVA, Power Transformers, One (1) 13.8KV Switchgear with forty four (44) nos. 13.8KV Switchgear circuit breaker panels, three (3) nos. 13.8KV, 7 MVAR Capacitor Bank & associated equipment, Protection, Control, Auxiliary Equipment, Cables and Civil Work. The substation will be with Substation Automation System (SAS) & will be remotely controlled through SCADA system through Gateway & fiber optic channels from the National Grid - National Telecommunication Control Center (NG-NTCC).
- Job title** : Project Manager
- Job Description** :
 - Coordinate between all involved parties stakeholders, designer, third arty for Factory acceptance tests, subcontractors, technical office and site

- team.
- Planning:
 - Define and clarify project scope.
 - Develop the project plan.
 - Develop the project schedule.
 - Develop policies and procedures to support the achievement of the project objectives.
 - Risk analysis.
 - Organizing:
 - Define the organizational structure of the project team.
 - Identify roles and positions.
 - Identify services to be provided by external companies.
 - Staff project positions.
 - Leading:
 - Setting team direction.
 - Coordinating activities across different organizational functions.
 - Motivating team members.
 - Assigning work.
 - Controlling:
 - Measuring: Checking project progress toward meeting its objectives.
 - Evaluating: Determining the cause of deviations from the plan.
 - Correcting: Taking corrective actions to address deviations.
 - Defining project baselines.
 - Tracking project progress.
 - Project status reporting.
 - Determining and taking corrective actions.
 - Keeping within timescale and budget of the project.
 - Risk management.

Dates	:	From Jul. 2015 till Nov. 2016
Employer	:	Alfanar Co.
Project	:	Tabarjal 380/132/33KV BSP
Job title	:	Site Manager
Job Description	:	<ul style="list-style-type: none"> • Supervision and management the overall activities in the field. • Verification that electrical materials and protection requirements as per contract and standard. • Plan work prior by ensuring the availability of all required items such as materials or labors. • Managing communications between all parties involved in the on-site development of the project. • Ensuring compliance with project specifications. • Monitoring the work closely to ensure that progress is going as per the plan. • Managing any delays or problems encountered on-site during a construction project. • Keeping within the timescale and budget of a project. • Managing of quality control, health and safety. • Controlling subcontractors and clarifying scope of work as per contract.

- Identifying and implementing corrective actions in collaboration with project management.
- Facilitate construction activities between site engineers, subcontractors, and stores.

Dates	:	From Apr. 2012 till Jun. 2015
Employer	:	Al-Osais Int'l Holding Co. (KSA)
Projects	:	<ul style="list-style-type: none"> • Abu Ajram 132/33/13.8KV Substation – Construction of a new 132/33/13.8KV Substation, in Abu Ajram area, with the following: One (1) lot of Out type equipment with five (5) nos. 132KV SF6 Circuit Breakers, Eight (08) disconnect switches and associated equipment, two (2) nos. 132/33KV, 100MVA, Power Transformers, two (2) nos. 33/13.8KV, 25MVA, Power Transformers, One (1) 33KV Switchgear with seventeen (17) nos. 33KV Switchgear circuit breaker panels, One (1) 13.8KV Switchgear with seventeen (17) nos. 13.8KV Switchgear circuit breaker panels, two (2) nos. 33KV, 10 MVAR Capacitor Bank & associated equipment, Protection, Control, Auxiliary Equipment, Cables and Civil & Electromechanical Work The substation will be with Substation Automation System (SAS) & will be remotely controlled through SCADA system through Gateway & fiber optic channels from the Power Control Center (PCC). • Hafr Al-Batin University 115/13.8KV Substation – Construction of a new 115/13.8KV indoor GIS type Substation, arranged in a double bus - single breaker configuration in Hafer area. The new Substation to be installed under this PROJECT will be fed at 115KV through double circuit overhead transmission line from Qaisumah Power Plant 230/115KV Substation to new Substation, scope of which is covered under a separate PROJECT. The new substation shall be equipped with Substation Automation System (SAS) and will be remotely controlled from the COMPANY Power Control Center (PCC) through SCADA system, Communication system and gateway. Extension of existing outdoor 115KV switchyard and addition of protection, metering, annunciation, SCADA & communication systems at Qaisumah Power Plant 230/115KV Substation are covered under this project.
Job title	:	Site Manager
Job Description	:	<ul style="list-style-type: none"> • Supervision and management the overall activities in the field. • Verification that electrical materials and protection requirements as per contract and standard. • Plan work prior by ensuring the availability of all required items such as materials or labors. • Managing communications between all parties involved in the on-site development of the project. • Ensuring compliance with project specifications. • Monitoring the work closely to ensure that progress is going as per the plan. • Managing any delays or problems encountered on-site during a construction project. • Keeping within the timescale and budget of a project. • Managing of quality control, health and safety. • Controlling subcontractors and clarifying scope of work as per contract. • Identifying and implementing corrective actions in collaboration with

project management.

- Facilitate construction activities between site engineers, subcontractors, and stores.

Dates	:	From Dec. 2009 till Mar. 2012
Employer	:	Orascom Construction Industries (OCI)
Project	:	<p>Terga Power Plant 3x400MW Combined Cycle – ALGERIA:</p> <p>An Alstom-led consortium has been awarded a contract worth more than 2.2 billion euro by the Algerian state-owned gas and electricity company Sonelgaz (Société Nationale de l'Electricité et du Gaz) to build a 1200MW gas-fired power plant. This first GT26-based turnkey combined-cycle power plant in Algeria, based upon a total of three GT-26 gas turbines, will be located in Terga, 600 km west of Algiers. Alstom's part of the contract is worth approximately 800 million euro. The Alstom's consortium partner is Egyptian Orascom Construction Industries. Under the contract, Alstom will supply a full turnkey combined-cycle power plant integrating in-house core plant components built around Alstom's advanced class GT26 gas turbine with best operational flexibility. The plant will be composed of three combined cycle units (3x400MW). Orascom will be in charge of civil, electrical, mechanical works and construction.</p>
Job title	:	Senior Electrical Engineer
Job Description	:	<ul style="list-style-type: none">• Supervision of large power transformers erection (main 20/400KV 500MVA and auxiliary transformers).• Supervision of Gas insulated switchgear erection (GIS 400KV).• Supervision of surge arrester and neutral ground disconnect switch erection.• Supervision of generator circuit breaker erection (20KV, 15KA).• Supervision of isolated phase bus duct erection (20KV).• Supervision of switchgear erection (6.6KV).• Supervision of MCC, control and protection panels erection.• Supervision of cable pulling and termination.• Supervision of fire alarm system erection.• Supervision of lighting and small power erection.• Preparing Method of statement and Work procedure.• Preparing as-built drawing.• Material taking off from engineering drawing.• Technical & field coordination for related parties (piping, C&I, electrical, arch. and civil).• Measurement of work volume/progress and check of subcontract work.• Implementing QA/QC systems.• Review of the drawings, specifications and Bills of Quantities.• Participate and provide construction input to new tenders.• Workload managing of Project Discipline Engineers and Technicians (including verification of quality).• Ensure that the Electrical Designs are in-line with other parties like civil and mechanical design.• Strong Background in instrumentation installation.
Dates	:	From Sep. 2005 till Nov. 2009
Employer	:	KAHROMIKA

- Projects** :
- Cairo West 2x350MW Thermal Power Plant – Cairo West is designed to include a 2x350MW thermal power plant for interconnection to the National Unified Power System (NUPS) through an extension of the existing GIS 500KV Switchyard facility. The power block comprises two identical Rankine cycle turbine generator units, each with a nominal rated capacity of 350MW. The units are capable of generating rated capacity using natural gas, residual (mazout) oil, or a combination of both. The two-unit station arrangement includes an enclosed turbine building, an open boiler building, a common control room, and all associated structures and facilities.
 - El-Atf Power Plant 3x250MW Combined Cycle – El-Atf is designed to include a power block consisting of two 250MW (nominal, ISO) combustion turbine generators (CTGs), each feeding exhaust gases to its respective unfired heat recovery steam generator (HRSG). Steam from the two HRSGs is feeding to one 250MW (nominal), single reheat, condensing Steam Turbine Generator (STG). The estimated facility net output is approximately 750MW (nominal, ISO). This output is achieved when burning natural gas in the combustion turbines with no supplementary firing in the HRSGs. Oxides of nitrogen (NOx) emissions are controlled by dry low-NOx (DLN) combustors. An inlet air filtration system is included to supply suitably filtered combustion air to the CTGs. The steam exhausted from the steam turbine is feeding into a once-through cooling, single-pass, divided water-box condenser. Power is generated at manufacturer's standard voltage in the CTGs and the STG, stepped up through main transformers, and fed to the EEHC National grid via a 220KV, GIS switchyard. Water for the power plant cooling demand is obtained from the Nile River (Rosetta Branch) and discharged to the Marquase Canal.

Job title : Site Engineer

- Job Description** :
- Erection of large power transformers main and auxiliary transformers.
 - Erection of surge arrester and neutral ground disconnect switch.
 - Erection of generator circuit breaker.
 - Erection of isolated phase bus duct.
 - Erection of non segregated phase bus duct.
 - Erection of switchgear.
 - Erection of cable tray.
 - Cable pulling and termination.
 - Writing and submitting of daily site activity reports to Manager.

Skills:

- Construction E&I and Civil.
- Management.
- Engineering.
- EPC.
- Protection.
- Testing and Commissioning.
- SAS.