

Holds a B. Sc. in Mechanical Power Engineering and has about 9 years of solid hands-on experience in different facets of Power Plant industry.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 13/03/1976
Marital Status : Married

EDUCATION

: B. Sc. in Mechanical Power Engineering, Mansoura University, 2002

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Basic Operation Training by Siemens, MDEPC, 15 days in Apr. 2004.
- : Basic Operation Training by Siemens, Lubbenau – GERMANY, 21 days in Jul. 2004.
- : Mechanical Maintenance Training by Siemens, Berlin – GERMANY, 7 days in Dec. 2004.
- : Operation and Maintenance Training, Alstom Power Plant Control System (DCS) Alspa p320 Distributed Control System, MDEPC, 15 days.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Mar. 2012 till now
Employer : EGYPTROL
Project : 6th October Power Station (600MW)
Job title : Commissioning & Start-up Engineer
Job Description :

- Assist Gas Turbine operation personnel on daily basis to achieve the optimum operating conditions for the Gas Turbines and keep the power station in the highest available Level of performance and operating conditions.
- Start-up of the units (Ansaldo Energia Turbo Generator).

- Carry out all commissioning activities as per manufacture recommendation.

Dates : From Jun. 2011 till Feb. 2012
Employer : Kharafi National Company
Project : Damietta Project (500MW)
Job title : Commissioning & Start-up Engineer
Job Description :

- Carry out all commissioning activities as per manufacture recommendation.
- Start-up of the units:
 - GE Frame 9E Turbo Generator Units.
 - Mark VI Control System.
- Assist Gas Turbine operation personnel on daily basis to achieve the optimum operating conditions for the Gas Turbines and keep the power station in the highest available Level of performance and operating conditions.

Dates : From Jul. 2008 till Apr. 2011
Employer : Al-Toukhi Company for Industry, Trading & Contracting (EPC) – KSA
Project : Generation Expansion at Faras Power Plant
Job title : Site Mechanical Engineer
Job Description :

- Analyze and recommend design concepts to meet customer requirements and evaluate design approaches for specification compliance.
- Interface and coordinate with purchasing, vendors, manufacturing, and other engineering personnel in the bills of materials, value analysis and testing phases of the project to insure compliance with internal and customer requirements.
- Review, negotiate and accept mechanical portions of project specifications received from customers.
- Perform and document mechanical analysis of assigned designs and assure that customer requirements are met.
- Assure that standard mechanical engineering practices are complied with on assigned projects.
- Develop qualification plan and perform qualification testing to assure that new designs, materials and process meet the intended requirements when implemented.
- Evaluate vendor capabilities and vendor materials participate in the hiring, training and development of new Mechanical Engineers and Mechanical Designers.
- Determination of cause and origin of industrial incidents, investigations of incidents.
- Preparation of oral and written reports, cost estimates, proposals and schedules.
- Actively participate in the erection / installation / commissioning and start-up phase of the units and systems:
 - GE Frame 7 FA Turbo Generator units.
 - Mark VI Control System.
 - Turbine and generator fixators.
 - Load coupling.

- Pietro Fiorentini Fuel Gas Treatment (ESD Valve, Scrubber, Filter Separator, Metering Skid and Water Bath Heater) installation and inter connecting piping hydro test, air blow application.
- Atlas Copco Air Compressors installation and inter connecting piping leak test application.
- Atlas Copco Gas compressor installation, commissioning & start-up.
- Supervised drop check for 4 units.
- Supervised rough and final alignment for 4 units.
- Lube Oil flushing with respecting GE procedure.
- Leak test and air below for all turbine piping systems with respecting the GE recommendation.

Dates	:	From Apr. 2008 till Jul. 2008
Employer	:	Al-Toukhi Company for Industry, Trading & Contracting (EPC) – KSA
Project	:	Generation Expansion of PP#08 Ext. III
Job title	:	Site Mechanical Engineer for 4 units GE Frame 7FA Turbo-Generator Set
Job Description	:	<ul style="list-style-type: none"> • Ensure all mechanical engineering project work complies with statutory and regulatory requirements and company policies and practices. • Provide high level technical support for all mechanical engineering project work as required. • Prepare documentation for standards, procedures, safe working practices and monitoring in respect of work on or around mechanical engineering scopes. • Contribute to the cost-efficient delivery of mechanical engineering by managing the man hour budget and reviewing and approving mechanical capital cost estimates, recommending alternative approaches. • Contribute to engineering best practices by interfacing with engineers from other disciplines to review and improve design standards and procedures. • Supervise GTG Customer piping fabrication / welding / installation, hydro / leak testing and commissioning / flushing if required as per the approved drawing and site condition for the followings: <ul style="list-style-type: none"> - Inlet bleed heat piping installation and leak test application. - Generator and Turbine Cooling Water CS supply and return pipe lines, with the required orifices installation for cooling water flow rate adjustment as per GE design/drawing. - GE turbine compartments Fire Fighting CO2 pipe lines connection with F.F.LP CO2 tank. - Water Wash SS pipe line with the required insulation / cladding. • Supervise the execution of the following GTG auxiliaries and systems: <ul style="list-style-type: none"> - GE Air intake filters erection / installation as per GE drawing with the required air piping Leak Test (1.1 from the design pressure) just to put the system ready for proper connection with GE Air Processing Unit (APU) for online cleaning service / BOP Atlas Copco Air Compressor for offline cleaning service. - GE Fin Fan Cooler. - GE Cooling water pumps skid. - Lube/Hydraulic oil system, motors rotation check with the required system flashing. - GTG PEECC.

- Exhaust stacks installation, insulation, welding, and barrier wall cladding fabrication.
- Exhausts stack high temperature paint application (silicon aluminum 600 c).

- Dates** : From Apr. 2003 till Mar. 2008
- Employer** : MDEPC (Middle Delta Electricity Production Company)
- Project** : Nubaria Combined Cycle Production 2250MW
- Job title** : Turbine Operation Shift / Site Engineer
- Job Description** :
- Carry out all the required O & M activities as per manufacture recommendation.
 - Assist Gas Turbine operation personnel on daily basis to achieve the optimum operating conditions for the Gas Turbines and keep the power station in the highest available level of performance and operating conditions.
 - Safe operation for GTG Siemens 250MW x4 units and all auxiliaries during the reliability period.
 - Energizing of 500KV and 220KV switchyard.
 - Switchgear 6.3KV and MCC 400V for all plant auxiliaries.
 - Responsible for daily report.
- Field of experience** :
- Strong understanding with different EPC philosophies in power generations and transmissions.
 - Well-exposed and experienced in the installation and operation of the following:
 - GE Frame 7FA Gas Turbine-Generator Units.
 - GE Frame 9E Gas Turbine-Generator Units.
 - Ansaldo Energia Gas Turbine-Generator Units.
 - Rotating Equipment Maintenance & Operation.
 - Turbine Operation for the following types:
 - 4 Siemens Gas Turbines (250MW), 4 Alstom Horizontal HRSGs with 1 Mitsubishi Steam Turbine (250MW).
 - 4 Hitachi Gas Turbines (25MW), 4 Vertical HRSGs with 1 GE Steam Turbine.
 - Possesses strong leadership and dynamic interface in a team environment and working with others to achieve the best possible output from all functional viewpoints.
 - Actively displays initiative in the development and modification of existing design with the responsibility for meeting customer requirements and company internal requirements for mechanical scope.
 - Support the technical development of the Mechanical Engineering and Design functions through the evaluation and introduction of new design and analysis capabilities.
 - Demonstrated ability to work independently or to lead a team to complete projects within required timeframes.
 - Demonstrated abilities and passion for providing technical advice to staff members, and embracing a culture that values team work.
 - High knowledge in Piping Fabrication, Installation and Testing.
 - High knowledge in Transformers Testing (insulation resistance, winding resistance, Ratio test, protection devices test, Tan Delta and oil test).