

Gomaa Mostafa Mohamed El Gazzar

Mechanical Commissioning Manager

He holds a B. Sc. in Mechanical Power Engineering and has 23 years experience in fossil fuel power generating stations from testing through start-up and operation. Expertise in Mechanical Engineering, experienced in Electrical and I&C Start-up Engineering, Turnover packages and performance testing.

PERSONAL DATA

Nationality : Egyptian
Birth Year : 1965

EDUCATION

: B. Sc. in Mechanical Power Engineering, Menoufia University, 1987

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : FIDIC Contracts understanding and use – AUC Cairo
- : Occupational safety and health Administration training (OSHA), 30 hours.
- : Advanced Operation & Maintenance of Turbine Generator and Boiler Feed water Pumps, by GE, at Schnactady, New York, for El-Kureimat Thermal Power Station.
- : Safe and Efficient Operation and Maintenance of Boiler, Turbine, Generator and Auxiliaries, by Mitsubishi and Toshiba in Japan, for Assiut Thermal Power Plant Unit No. 1 (1x325MW).
- : Advanced Operation Training, by Bechtel and EEA, for Shobra El-Kheima Thermal Power Plant (4x325MW), Ansaldo Front & Rear Natural gas: HFO fuel, Natural Circulation Boiler, Westinghouse T/G.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : Sept. 2008 - April 2012
Employer : Egypt Engineering Services, S. A. E. (EGYPTROL)
Projects :

- 6th Of October Power Plant 4x150 MW Gas Fired ANSALDO GTs
- Abu Qir 2x650MW Gas/Oil fired Boilers
- IRAQ – Erbil - Gas Turbine power plant 2x125MW GE
- IRAQ - Al-Solaimanyah - Gas Turbine power plant 2x125MW GE
- IRAQ - Dohuk - Gas Turbine power plant 4x125MW GE Gas T.
- El Atf Combined Cycle Power Plant (1x750 MW Gas Fired)
- Sidi Krir Combined Cycle Power Plant (1x750 MW Gas Fired)

Job title : Company Commissioning Manager
Job Description : Manage and coordinate all commissioning projects activities, starting from prepare commissioning proposals, prepare time schedules, select staff members, follow up execution, resolve conflicts,.. etc.

Dates : NOV. 2010 – Aug. 2011
Employer : EGYPTROL, seconded to SOCOIN
Project : DIER ALI 2 2X2X1(750MW) Gas Fired Comb. Cycle PP – SYRIA.
Job title : Mechanical Expert and Training Coordinator
Job Description :

- Lead the site design review team and coordination meetings.
- Act as Deputy site manager.
- Issued the training inception report.
- Prepare the training time schedule.
- Conduct on-job training for Owner's engineers.

Dates : Jan. 2008 - Aug. 2008
Employer :

- KOCH/MAN Consortium Company - Iran

Project : Fajr 1 Petrochemical & Power Generation:
2X125MW (GE) frame 9E GT, with ALSTOM Generator.
Job title :

- Commissioning & Start-up Leader.

Job Description :

- Prepared the commissioning program in Microsoft Project.
- Assign all commissioning staff daily activities.
- Prepare the equipment check lists.
- Evaluate and report daily and weekly activities progress.
- Review and test the complete operating logics functions.
- Lead cold and hot function tests of the unit.
- Conducted the water and oil systems flushing.
- Participate in conducting the reliability run test.
- Conduct Client Training (two weeks class/site) on behalf of GE.

Dates : Feb. 2007 - Dec. 2007
Employer : KOCH/SIEMENS Consortium
Project : Al Naserria Power Plant Extension – SYRIA.
 Three Fiat Avio gas turbine, 115MW each (existing)
 One steam turbine Siemens 150MW.
 NEM HRSG, forced recirculation pumps..

Job title : Start-up & Shift Charge Engineer
Job Description :

- Responsible for cold and hot function tests of the unit.
- Conducted water systems flushing and boiler chemical cleaning.
- Conducted boiler and steam piping blowout.
- Participated in conducting the reliability run test.
- Prepared operation instructions for each alarm signal.

Dates : Dec. 2006 - Feb. 2007
Employer : ALSTOM – PEMCO (Power Equipment & Materials Co. LTD)
Project : Rabigh Power Plant: Overhaul for unit 2 & 4, 2x260MW Crude/HFO fired
 CE drum type controlled circulation reheat Boilers
 MHI Steam turbine,
 MHI H2 cooled Generator,
 MHI sea water cooled Condenser.

Job title : PTW & Coordination Engineer
Job Description :

- Define units existing problems to be corrected during the overhaul by analyzing all the units operating parameters before shutdown.
- Responsible for issuing all plant permits to work during the overhaul.
- Leading all coordination meetings between the Client and the overhaul Contractor Team.
- Responsible for conducting Boiler performance tests prior and following the overhaul.

Dates : Oct. 2005 - Jul. 2006
Employer : ALSTOM POWER – KSA
Project : Shoaiba Power Station Stage 2: 6x400MW Crude/HFO fired
 CE drum type controlled circulation reheat boiler,
 ABB condensing steam turbine & ABB H2 cooled Generator,
 ABB sea water cooled Condenser & ABB control system ADVANT
 Emergency & Black start diesel Generators, Fuel handling system,
 Auxiliary boiler system, Hydrogen production system and all other BoP
 equipment.

Job title : Shift Leader
Job Description :

- Coordinate and monitor systems flushing procedures & steam blows.
- Coordinate and monitor systems pneumatic and hydrostatic testing.
- Supervise the operational testing, commissioning and start-up.
- Perform isolation and safety tag out of equipment.
- Equipment operation training for the Client personnel.
- Developed the unit cold start-up curves that proved success.
- Participated in the Reliability and Performance testing.
- Conducted all the plant tests on completion (Run-back, Load rejection, different equipment change over tests and all unit overhaul automatic cold, warm and hot start-up operation demonstration).

Dates : Oct. 2004 - Oct. 2005
Employer : PGESCo. (Power Generation & Engineering and Service Company)
Project : Nubaria Power Station (2x750MW Combined Cycle) consists of:

- 4x250MW SIEMENS Gas Turbine.
- ALSTOM Heat Recovery & DCS.
- Mitsubishi Heavy Industry Steam Turbine.
- METITO Water treatment.
- CONSIG Switchyard live line wash system.
- INITEC Balance of Plant.

Job title : Lead Mechanical Start-up Engineer
Job Description :

- Support engineering by systems scoping to reach Simple Cycle operation target date.
- Participate in preparing the plant construction contract Packages.
- Review the commissioning procedures and support the contractors to meet the project schedule.
- Review, approve and accept all plant cold & hot function tests.
- Prepare for flushing, chemical cleaning and steam blow-out.

Dates : Apr. 2001 - Jul. 2004
Employer : ALSTOM POWER
Project : Shoaiba Power Station Stage 1:
5x400MW Croud/HFO fired (same description of stage 2 above).
Job title : Shift Charge Engineer
Job Description :

- Same as stage 2 above.

Dates : Jan. 2000 - Apr. 2001
Employer : PGESCo. (Power Generation & Engineering and Service Company)
Project : Ayoun Mousa Thermal Power Station 2x320MW
Job title : Start-up & Shift Charge Engineer
Job Description :

- Review the commissioning procedures and support the contractors to meet the project schedule.
- Review, approve and accept all plant cold & hot function tests.
- Prepare for flushing, chemical cleaning and steam blow-out.
- Participate in the Reliability and Performance testing.
- Conduct all the plant tests on completion (Run-back, Load rejection, different equipment change over tests and all unit overhaul automatic cold, warm and hot start-up operation demonstration).

Dates : Jul. 1999 - Nov. 1999
Employer : ABB SIM - Jorf Lasfar Energy Company (JLEC), Morocco.
Project : Jorf Lasfar Thermal Power Station Units 3 & 4:
2x345MW Forced Circulation, Coal/HFO Fired, ABB (Combustion Engineering) design boiler, ABB (Power Generation Limited) Turbine/Generator & DCS, ABB (Sae Sadelmi) B.O.P., Aquatech Water Treatment System.
Job title : Commissioning & Start-up Engineer

Dates : May 1999 - Jul. 1999
Employer : Babcock Wilcox (B&W)
Project : Ayoun Mousa Thermal Power Station 2x320MW: Natural circulation Boilers with Forced draft fans, Gas recirculation fans and 18 burners.
Job title : Commissioning Engineer

Dates : May 1996 - May 1999
Employer : Egyptian Electricity Authority (EEA)
Project : El-Kureimat Thermal Power Station:
2x627MW Natural Circulation, Natural gas/HFO Fired B&W "El Paso" design boiler, GE T/G with Mark V control, Fisher HP/LP Bypass System and Westinghouse WDPF (DCS). Bamag Water Treatment System.
Job title : Shift Charge Engineer
Job Description :

- Follow system flushes/steam blows/ hydrostatic test/pneumatic testing.
- Coordinate the operational testing, commissioning and start-up.
- Conduct isolation and safety tag-out of equipment.
- Train operators in safety and the proper care of equipment.

Dates : Apr. 1990 - May 1996
Employer : Egyptian Electricity Authority (EEA)
Project : Assiut Thermal Power Station:
2x325MW Mitsubishi (CE designed) Forced circulation, Natural gas/HFO Fired Boiler with ABC Control, Toshiba T/G and its auxiliaries, HP/LP Bypass System, Toshiba DAS, Mitsubishi BOP.
Job title : Shift Charge Engineer
Job Description :

- Design review for boiler, turbine and generator and BOP as per contract, tracking the progress and work quality of the mechanical contractors, primarily Toshiba, Mitsubishi, Ansaldo and SAE Sadelmi.
- Review welding procedure and perform inspection.

Dates : Jan. 1988 - Apr. 1990
Employer : Egyptian Electricity Authority (EEA)
Project : Shobra El-Kheima Thermal Power Plant:
4x325MW Ansaldo Natural circulation front & rear Natural gas/HFO Fired Boiler, Westinghouse T/G, HP/LP Bypass System.
Job title : Operation Engineer