

Aly Hediah Utility Boilers & Mechanical Systems Specialist

Holds a B. Sc. in Mechanical Power Engineering and has over 30 years experience in power plants equipment construction, operation, maintenance, rehabilitation, sales and marketing. His specialty is in boilers, high-pressure vessels, heat exchangers and piping. He is familiar with relevant standards and codes.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 19/09/1959
Gender : Male
Marital Status : Married

EDUCATION

: B. Sc. in Mechanical Power Engineering, 1983

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: MS Project

TRAINING COURSES AND CERTIFICATIONS

- : Power Plant Construction, Operation and Maintenance Courses (Salt River Project – SRP), Off-Shore (3 months).
- : Bechtel Power Construction, Operation and Maintenance of Power Plants at Shoubra El-Kheima Power Plant (6 months).
- : Different Power plant components operation and maintenance training courses conducted by OEM's at Shoubra El-Kheima Power Plant 4x315MW Steam.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From May 2008 till present
Employer : Egypt Engineering Services S. A. E. ([EGYPTROL](#))
Job titles : Project Manager + Logistics & Procurement Manager for EGYPTROL and its affiliated company [PowerServ](#)

- Job Description** : As Project Manager: Responsible for studying RFQs, estimations, preparing proposals and executing a number of projects including:
- Install 14x50MW GE GTs (LM6000) at Hurgada, Sharm and Port Said.
 - Replacement of 2 of Abu Sultan (150MW) three Feed Water Pumps.
 - Replacement of Ayoun Moussa (315MW) High Pressure Heater no. 6 Coils.
 - Erection two (2) Self Cleaning Filters at Attaka Power P. (2x150 + 2x320MW).
 - Erection, Commissioning and Start-up for 2 new Hydrogen plants.
 - Supply and Install headers for 250 Bar H2 Cylinders in H2 Gen.
- As Logistics & Procurement Manager:
- Mobilisation of different project teams till handing over to PM.
 - Control company procurement activities and materials/asset control.
 - Handling sites procurement, shipping, clearances, etc...
 - Planning for future company expansion from assets point of view.
 - Facilitate the execution of company projects.
- Dates** : From Aug. 1999 till Dec. 2008
- Employer** : ABB, changed to ALSTOM POWER
- Job title** : Service Engineer / Utility Power Plants Customer Service Manager
- Projects** :
- Kafr Eldawar (4x110MW) rehabilitation of SKODA steam turbine.
 - Talkha (210MW) SKODA Turbine Low Pressure turbine Rotor Repair.
 - Survey and Assessments of Boilers:
 - United Arab Industrial Crop, Syria
 - Misr fine Spinning and Weaving, Egypt
 - Zarka Power Plant, Jordan.
 - Cairo West P.P. 4x87MW
 - Sidi Krir 2x320MW
 - Damanhour 2x300MW
 - EDF FW boilers 2x320MW
 - El-Mahmoudiah and Damanhur (12x25MW GT) Generator.
 - ALSTOM Power Service "Egypt Plants Database".
 - Abu Qir Unit 3 LTR (LOW TEMP REHEAT) supply & erect. supervision.
 - Cairo North 250MW Condenser Manufacturing and erection.
 - Kafr El-Dawar unit No. 4 (110MW) rehabilitation.
 - Damanhour Superheater Babcock boiler supply and erection.
 - Abu Qir 4 LTS (Low Temperature Supper heater) for units 1-4.
 - Supply of Spare parts to several Power Plants (valves, pumps, even Noble Spare Parts, Level Glasses, Bearings).
 - Cairo West 87MW SH&RH Manufacturing @ 10th Ramadan & erection.
 - Overhauling El-AMRIA for Spinning and weaving boiler.
- In addition, participating in:
- Review and acknowledgment of fleet projects for completeness.
 - Track Project Department performances.
 - Participate in Risk Reviews as required.
 - Initiate and prepare proposals and Contracts.
 - Liaise with client in all of project stages.
 - Maintain and monitor record and report, maintain shipping, receiving.
 - Respond to inquiries and research and resolve customer problems.

Dates : From Jul. 1997 till Aug. 1999
Employer : Cairo Electricity Production Company
Project : Shoubra El-Kheima Power Plant (4x315MW steam)
Job title : Chief Mechanical Maintenance & Boiler Department Lead Engineer
Job Description : Responsible for:

- All boilers maintenance works.
- Preparing all required spare parts.
- Preparing the overhauling schedule, site activities and requirements.
- Execution and reporting of all the boilers overhaul site activities.

Dates : From Jul. 1996 till Jul. 1997
Employer : General Electricity Company of Libya (GECOL)
Project : Derna Power Generation & Desalination Plant (Libya)
Job title : Overhauling & Commissioning Manager
Job Description : Co-ordination between ABB & Dutch Babcock with GECOL for all the site activities (Boiler, Turbine and BOP) during the rehabilitation of the plant.

Dates : From Jun. 1987 till Jul. 1996
Employer : Cairo Electricity Production Company
Project : Shoubra El-Kheima Power Plant
Job title : Senior Maintenance Engineer
Job Description :

- The organization, preparation of the preventive maintenance program and the execution of same.
- Preparing Spare Parts lists.
- Supervision of all the site activities for units overhauling.
- Preparing all the technical backlog and historical overhauling reports.
- Supervision of 8 Boilers Acid cleaning with an Italian Company.

Dates : From Apr. 1986 till May 1987
Employer : FRANCO-TOSI (Italian Company)
Project : Aqaba Power Station, Jordan (2x130MW) Steam units.
Job title : Commissioning & Start-up Senior Engineer

Dates : From Feb. 1983 till Apr. 1986
Employer : Cairo Electricity Production Company
Project : Shoubra El-Kheima Power Plant (4x315MW)
Job title : Construction & Erection Supervisor
Job Description : Wide experience in the filed of high-pressure vessels, piping design codes and related heat exchanger boiler codes of engineering. Specifically familiar with the relevant American ASME/ANSI standards' and having application of one of the European technical codes of practice such as the German DIN, responsible for:

- Pressure Parts (Steam Drum, Super heater, water wall, connecting tubes, economizer, steam air heater, all fuel heat exchangers coils cleaning, etc.).
- Rotating Machines (F.D. Fans, G.R. Fans, Gas air preheater).
- Bearing inspection seal changing and adjusting.

- Compressors (centrifugal and reciprocating) high pressure compressors.
- Pumps (inspection and change, bearing, packing, mechanical seal, wearing rings leveling and alignment, etc.).
- Burner Pumps, Booster Pumps, High Pressure Pumps, Condensate Pumps, Positive displacement pumps (additive pumps for injection).
- Soot Blower (inspection, repair, adjusting).
- Valves (all types) isolating, control, safety maintenance and repair.
- Burners (inspection, testing mazout guns, Atomizer, Gas Spud Nozzles, air registers, actuators, etc.).

Conducted Training Courses as a Trainer:

- Shoubra El-Kheima Power Station Training Center of Power Generation.
- Engineering Students Summer Training.
- Commonwealth Group Training (EEA Training Center, 1996).
- Generating Electricity Company (G.E.C.) Libyan Groups Training in Egypt and in Libya.
- Intensive Courses in Kuwait in the following subjects:
 - Construction, Operation & Maintenance of Power Plant Boilers.
 - Installation, Operation & Maintenance of Reciprocating Compressors and Pumps.
 - Installation, Operation & Maintenance of Centrifugal Compressors and Pumps.