

Holds a B. Sc. in Mechanical Power Engineering and has over 15 years hands-on experience working in operation, commissioning and start-up at Sidi Krir Power Plant.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 12/09/1981
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

: B. Sc. in Mechanical Power Engineering, Alexandria University, 2004

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: Visual Basic
: AutoCAD

TRAINING COURSES AND CERTIFICATIONS

- : Training at Yokogawa Middle East B.S.C. – BAHRAIN – on CS3000 Fundamentals for Operation (Jan./Feb. 2010).
- : Business Skills Acquisition (BBSA) sponsored by the Future Generation Foundation (FGF), Alexandria:
 - Developing language and computer skills.
 - Enhanced presentation & project development skills.
 - Acquiring basic business skills including: marketing, sales, banking, accounting, business correspondence and report writing.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Oct. 2006 till now
Project : Sidi Krir Steam Power Plant (2x320MW) & Combined Cycle (750MW)
Job title : DCS Operation Engineer (1st Shift Engineer)

- Job Description** :
- Working as an Operator & attending the construction piping & gas turbine & HRSG & steam turbine) and commissioning for both GAS & STEAM UNITS).
 - For Steam Power Plant:
 - Plant auxiliaries operation processes:
 - Boiler feed water system including Turbine and electrical driven pumps and feed water heaters, Circulate water system, Service water system, Condensate water system, closed cycle cooling water system and Air compressors system.
 - Operation of steam turbine (SIEMENS):
 - Safe start-up and shutdown procedures considering turbine stress restrictions evaluation and its auxiliaries.
 - Operation of HP Boiler (Babcock & Wilcox):
 - Safe start-up & shut down (gas & mazout firing) of 1032 t/hr capacity and all its axillaries (air heater, forced draft fans, re-boiler, soot blower system).
 - Operation of MSF Desalination Plant of 5000 t/day capacity:
 - Responsible for erection work of BRP, Raw Water, distillate water system for Desalination plant multi flash chamber.
 - Flashing and chemical cleaning for multi system for Desalination plant multi flash chamber.
 - Make interlock & alarm test for Desalination plant.
 - Commissioning & start-up for Desalination plant.
 - Desalination Plant Operator multi flash chamber (2 x 5000 ton/day).
 - For Combined Cycle Power Plant:
 - Attendance erected all mechanical, electrical equipment in this station.
 - For Gas Turbine unit:
 - Following the construction of the two gas turbine (Mitsubishi heavy industries) units (250MW) as witness.
 - Make proposals to facilitate the operation of units.
 - Following the start-up procedure for all equipments (heat run - oil flushing - circulation) for all systems (for example: Lube Oil, Control Oil, Seal Oil, etc.) as witness.
 - Leak test for the Gas & Steam Generator & first filling with Hydrogen as witness.
 - Start-up & commissioning for Gas Turbine unit (2x250MW) including first firing & first synchronizing).
 - Make all tests for Gas turbine (for example: Load Runback, Load Rejection, House Load, etc.).
 - For gas & steam plant auxiliaries:
 - Following the piping construction, flushing & start-up for gas turbine auxiliaries (for example: Closed cooling, service water, instrument air, service air, etc.) as witness.
 - Following the piping construction & filling for Gas Compressors (3 gas compressors – 1 for each unit & 1 is standby) as witness.
 - Following the heat run & check rotation & circulation for all plant auxiliaries (circulate water pumps – service water pumps – closed cooling pumps – condensate pumps, etc.).
 - Following the Erection for all piping Structure in the side.
 - Erect, alignment, commissioning and start-up the High pressure

feed water pumps – Medium pressure feed water pumps – Low pressure feed water pumps – Condensate pumps – Service pumps – Dosing pumps).

- For steam turbine unit:
 - Following the construction of the steam turbine piping.
 - Following the 1st time steam turbine (Ansaldo Energia) rolling up and synchronizing to grid (250MW).
- For boiler (Heat Recovery Steam Generator):
 - Following the construction of the HRSG piping & herbs.
 - Making the steam blowing test for the HRSG (heat recovery steam generator).
 - Following erection, hydro test, chemical cleaning at HRSG (heat recovery steam generator) (NEM).