

Holds a B. Sc. in Mechanical Power Engineering and a M. Sc. in Thermal Engineering. Has about 5 years experience, mainly in operation of gas turbines.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 24/03/1984
Marital Status : Single

EDUCATION

: B. Sc. in Mechanical Power Engineering, Mansoura University, 2006
: M. Sc. in Thermal Engineering, Alexandria University, 2011

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: Visual Basic programming language
: Inventor mechanical disk software

TRAINING COURSES AND CERTIFICATIONS

: Combined Cycle Power Station training course (gas turbines, steam turbines, Heat Recovery Steam Generators, high and medium voltage utilities) – Nubaria Power Station.
: Gas turbine maintenance course – Nubaria Power Station.
: Combined Cycle Power Station operation and monitoring using simulator unit – Nubaria Power Station.
: Fire fighting training in the fire fighting dept. – Damanhour.
: Training a trainer course in the Ministry of Electricity and Energy – Cairo.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2008 till now
Project : Nubaria Power Station

- Job title** : Gas Turbine Operation Engineer
- Job Description** :
- Operation and monitoring of combined cycle gas turbines.
 - Training Engineer and Combined Cycle Power Plant Simulation Instructor.
- Dates** : From Jan. 2007 till Jan. 2008
- Employer** : Egyptian Consulting & Trading Company (ECTRA – Deutz Agency)
- Job title** : Maintenance Engineer
- Job Description** :
- Deutz diesel engines maintenance and overhauling.
 - STILL forklifts hydraulic and transmission systems maintenance.
 - Fahr-Deutz agricultural tractors maintenance and overhauling.
- Field of experience:**
- Excellent knowledge of gas turbines:
 - Thermal cycle analyses.
 - Types and Construction.
 - Destructive Phenomena like compressor surge and combustion dynamics.
 - Troubles during start-up and operation and troubleshooting.
 - Basics of vibration and bearing analyses.
 - Auxiliary systems (Oil and gas fuel systems – lube oil system – instrument air (Pneumatic) system – hydraulic oil system – noise enclosure system – air intake and pulse air system – diverter damper system – fire fighting system).
 - Electrical & electronic systems (generator – transformers – start-up frequency converter – I&C and Siemens' TXP system).
 - Good knowledge of pumps:
 - Types and construction.
 - Operation basics and troubleshooting.
 - Using and reading of piping and instrumentation P&ID diagrams, construction drawings of machines and single line diagrams of electrical systems.
 - Flexible utilization of training utilities (Flip charts – boards – data show projectors – P&ID and engineering drawings – Videos).
 - Excellent teaching ability using examples from the nature and the daily life simplifying the training procedure.
 - Records:
 - Preparing for start, starting up, operating & monitoring Siemens gas turbines with interventions for troubles.
 - Attending with assistance the overhauls of Siemens V94.3A gas turbines in Nubaria Power Station (Minor – HGPI – Major).
 - Troubleshooting the problems of gas turbine auxiliaries at start-up preparations on the monitor and at the site.
 - Writing and constructing a material describing SIEMENS V94.3A type gas turbine components, auxiliaries, operation and monitoring in more than 250 pages including (Gas turbine engine – air intake – lube oil – Pneumatic – hydraulic – Fuel oil & gas – water injection – exhaust & diverter – noise enclosure – electrical generator – PCC – high and medium voltage – TXP – gas turbine governor – gas turbine start-up).

- Training over 80 Engineers from the different departments in Nubaria Power Station and El-Atf Power Station plus training the students of faculty of engineering at summer season training on gas turbine operation.
- Overhauling operating and testing more than 50 Deutz engines, tractors and STILL forklifts.