

Holds a B. Sc. in Production Engineering and has over 30 years' experience working in maintenance, operation, commissioning and start-up at several Power Plants.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 01/07/1968  
Gender : Male  
Marital Status : Married  
Residence : Damanhour

## EDUCATION

: B. Sc. in Production Engineering, Alexandria University, 1991

## LANGUAGES

Arabic : Native Language  
English : Excellent

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel), Internet  
: AutoCAD 2D & 3D  
: Unix utilities and commands

## TRAINING COURSES AND CERTIFICATIONS

: Thermal power station training courses in Abu Qir Power Station.  
: Pump maintenances and repair.  
: English language courses to level H.  
: A Brüel & Kjær vibro technical training course in the field of Machinery Vibration Measurement and Analysis.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Mar. 2020 till now  
**Employer** : PGESCO (Power Generation Engineering and Services Company)  
**Project** : Assiut Supercritical Thermal Power Plant 1x650MW:

- One Supercritical boiler by AC Boilers.
- One Steam Turbine by Doosan Heavy Industries.
- One Generator by Doosan Heavy Industries.

		<ul style="list-style-type: none"> <li>• Three Condensate Extraction Pumps &amp; Three water-cooled condensers by KSB.</li> <li>• Two Turbine feed water pumps, the Turbines by Siemens &amp; the pumps KSB.</li> <li>• Double Eight Feed-Water heaters.</li> <li>• Water Treatment Plant (2 UF, 2 RO, 2 EDI) by Veolia.</li> </ul>
<b>Job title</b>	:	Shift Advisor (Consultant)
<b>Job Description</b>	:	<ul style="list-style-type: none"> <li>• Reporting to the Project Start-up Manager.</li> <li>• Responsible for the overall operation of the power plant on designated shift.</li> <li>• Ensure that plant emission standards are maintained within specified parameters.</li> <li>• Direct employees to safely operate plant boilers, plant turbine, and associated equipment.</li> <li>• Ensure that contractors operation teams adhere to all relevant safety standards.</li> <li>• Direct employees to safely operate plant boilers, plant turbine and associated equipment.</li> <li>• Issuing work permits after ensuring that they do not conflict with each other or with the safe operation of all systems in service, and in accordance with industrial safety practices.</li> <li>• Supervision for Applying (LOTO) system with all contractors.</li> </ul>
<b>Dates</b>	:	From Mar. 2018 till Feb. 2020
<b>Employer</b>	:	PGESCO (Power Generation Engineering and Services Company)
<b>Project</b>	:	South Helwan Supercritical Thermal Power Plant 3x650MW: <ul style="list-style-type: none"> <li>• Three Supercritical boiler by AC Boilers.</li> <li>• Three Steam Turbine by Mitsubishi Hitachi Power systems, LTD.</li> <li>• Three Generator by Mitsubishi Hitachi Power systems, LTD.</li> <li>• Six Condensate Extraction Pumps &amp; Nine water-cooled condensers by KSB.</li> <li>• Six Turbine feed water pumps, the Turbines by Siemens &amp; the pumps KSB.</li> <li>• Each unit Has Double Eight Feed-Water heaters.</li> <li>• Water Treatment Plant by Veolia.</li> </ul>
<b>Job title</b>	:	Shift Advisor (Consultant)
<b>Dates</b>	:	From Dec. 2017 till Mar. 2018
<b>Employer</b>	:	Creativity and Innovation Contracting Company
<b>Project</b>	:	Conversation of Hail-2 Simple Cycle to Combined Cycle Power Plant (Hail Project sites in Saudi Arabia): <ul style="list-style-type: none"> <li>• Air-cooled condenser manufactured by SPX.</li> <li>• Two condensate water pumps and four feed-water pumps manufactured by Sulzer.</li> <li>• Four HRSGs by AMEC FOSTER WHEELER.</li> <li>• One Siemens steam turbine 150MW.</li> </ul>
<b>Job title(s)</b>	:	Senior Authorized Person, LOTO and PTW Engineer
<b>Job Description</b>	:	Responsible for Issuing work permits after ensuring that they do not conflict with each other or with the safe operation of all systems in service, and in accordance with industrial safety practices and supervision for Applying

(LOTO) system with all contractors.

**Dates** : From Oct. 2017 till Dec. 2017  
**Employer** : Orascom Construction Company  
**Project** : Al-Burullus 4800MW Combined Cycle Power Plant  
**Job title** : Mechanical Manager

**Dates** : From Jul. 2017 till Oct. 2017  
**Employer** : Ansaldo Energia  
**Project** : SHABAB NORTH POWER PLANT (1500MW)  
(2 modules (each module has 4 GE Gas Turbines x 125MW + 4 Ansaldo Caldie HRSG + 1 Ansaldo Energia Steam Turbine x 250MW))  
**Job title** : Mechanical Lead Engineer for Steam Turbine / Generator

**Dates** : From Dec. 2015 till Jun. 2017  
**Employer** : Initec Energia  
**Project** : Suez Thermal Power Plant GAS/OIL Fired Unit 1x650MW:  

- Steam Turbine set by ALSTOM, AC BOILER BY Ansaldo Caldae & Auxiliaries by Initec Energia.
- Distillate water production = 3000 m3/day.
- Desalination Plant set by Veolia Company (MED) (Multi effect Desalination -5 cells).
- (TVC) (Thermal Vapor compressor), (GOR) Gain output ratio = 8.6.

**Job title** : Start-up & Commissioning Senior Engineer for BOP

**Dates** : From Aug. 2014 till Dec. 2015  
**Employer** : Ansaldo Energia  
**Project** : GIZA NORTH POWER PLANT (2250MW): 3 modules (each module has 2 GE Gas Turbines x 250MW + 2 STF HRSG + 2 Ansaldo Energia Steam Turbines x 250MW)  
**Job title** : Start-up & Commissioning Senior Engineer for Steam Turbine / Generator

**Dates** : From Apr. 2013 till Jun. 2014  
**Employer** : PGESCO (Power Generation Engineering and Services Company)  
**Project** : El Ain El Sokhna 2x650MW Supercritical Thermal Power Plant  
(Boiler (Supercritical Two Pass opposite Firing Type / 750MW, 254 bar Main steam Pressure) by DOOSAN HEAVY INDUSTRIES & CONSTRUCTION Company – Korea; Steam Turbine / Generator Set by Hitachi Ltd. Co. & DCS by ABB Company, Desalination Planet set by Veolia Company (MED) (Multi effect Desalination -6cells), Distillate water production= 4000 m3/day, (TVC) (Thermal Vapor compressor) (GOR) Gain output ratio) = 9.5)  
**Job Description** :  

- As Senior Authorized Person, LOTO and PTW Engineer for two years: Responsible for issuing work permits after ensuring that industrial safety practices, non-conflicting with each other or safe operation of all systems in the service and lock out tag out (LOTO) system with all contractors.
- Shift Charge Engineer for two months: Responsible for first start-up and first operation, issued work permits and lock out tag out (LOTO) system,

participate in issuing punish list items, making daily technical reports about the unit activities.

**Dates** : From Oct. 2009 till Mar. 2013  
**Employer** : Kharafi National  
**Project** : DOHA EAST POWER STATION & WATER PRODUCTION  
(DEPS is one of the five power stations in Kuwait, Doha East Power Station is a Thermal Power Plant having total capacity of 1050MW power & 42 MIG/day water production, having Oil & Gas fired high pressure (90 bar) boilers with steam generating capacity of 650 t/h & TOSHIBA (Japan) make D-EHC OPERATED Steam Turbines each of 150MW capacity)  
**Job Description** :

- Shift Charge Engineer, Senior Authorized Person, LOTO and PTW Engineer: Responsible for issuing work permits containing security and safety rules, non-conflicting with each other or safe operation of all systems in the service and lock out tag out (LOTO) system.
- Reporting to the Operation Manager.
- Responsible for the overall operation of the power plant on designated shift.
- Ensure that plant emission standards are maintained within specified parameters.

**Dates** : From Mar. 2008 till Oct. 2009 & May 2014 till Dec. 2014  
**Employer** : West Delta Electricity Company  
**Project** : Damanhour Power Plant 1x320MW  
**Job title** : Head of Predictive Maintenance Section  
**Job Description** :

- Following up predictive maintenance for all equipment in Damanhour Power Plant like Steam Turbines, Gas Turbines, Feed Water Pumps, Compressors, Condensate Pumps, Forced Draft Fans, Cooling Water Pumps...etc., by using the following equipments:
  - Vibration Dynamic analysis (pulse) (Brüel & Kjær Company – Denmark).
  - Data collector system - type2526 (Brüel & Kjær Company – Denmark).
  - Easy Laser Shaft Alignment (Damalini AB – SWEDEN).
- Making data of vibration measurements and spectrums on rotating machine, and thereby detecting Faults before making the machine break down.
- Making diagnosis using vibration analysis to diagnose faults such as Unbalance, Misalignment, Bent shaft, Mechanical looseness.
- Rolling element bearing fault, etc.
- Recommending the action to repair the faults and I have the ability to make alignment by using Easy Laser Shaft Alignment.

**Dates** : From Jun. 2001 till Mar. 2008  
**Employer** : West Delta Electricity Company  
**Project** : Damanhour Power Plant 1x320MW  
**Job Description** :

- Shift Charge Engineer, Senior Authorized Person, LOTO and PTW Engineer: Responsible for issuing work permits containing security and safety rules, non-conflicting with each other or safe operation of all systems in the service and lock out tag out (LOTO) system.

- Turbine (Ansaldo) & Boiler (Babcock & Wilcox) and generator (Ansaldo).
- Supervision and instruction to Operators during the operation.
- Maintain the stability of the plant and optimal efficiency condition.
- Issue permit to work (PTW) after ensuring that industrial safety practices.
- Monitoring all plant activities and plant protection.
- Report to Operation Manger in daily meeting.

**Dates** : From Jun. 1996 till Jun. 2001  
**Employer** : West Delta Electricity Company  
**Project** : Damanhour Power Plant 1x320MW  
**Job title** : Control Room Operator for Turbine (Ansaldo) & Boiler (Babcock & Wilcox) & generator (Ansaldo) and Bialy DCS  
**Job Description** :
 

- Follow normal operation of the power plant from central control room.
- Start-up / shut down activities.
- Observing power plant parameters.
- Decreasing and increasing the load as per dispatch centre.

**Dates** : From Dec. 1994 till Jun. 1996  
**Employer** : El-Behira Water Company  
**Project** : Shobrakheit Water Plant  
**Job title** : Maintenance Engineer  
**Job Description** :
 

- Supervision of my staff and ensuring that working in optimal safety.
- Supervision of my staff to repair any defective in water plant.

**Dates** : From Jul. 1992 till Dec. 1994  
**Employer** : Egyptian Army  
**Project** : Military Service  
**Job Description** : Vehicle repair and maintenance.