

Holds a B. Sc. in Mechanical Engineering and has over 12 years hands-on experience working in maintenance, operation, commissioning and start-up.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 24/05/1985
Gender : Male
Marital Status : Married
Residence : Suez

EDUCATION

: B. Sc. in Mechanical Engineering, Suez Canal University, 2008

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

- : Maintenance training for Boiler by Doosan Company (course included hanger, non-destructive inspection, shaft alignment, boiler auxiliaries and safety valve).
- : Training course of Taeam Simulator Operation by Korea Western Power Corporation "KOWEPO" in Korea.
- : Training for Steam Turbine Generator and Auxiliaries by Hitachi Co. in JAPAN (course include turbine design, ball cleaning, lube oil system, seal oil system and vibration system).
- : Operation and Maintenance training of Thermal Power Plant by Electricity Generating Authority of Thailand "EGAT" in Thailand.
- : GE (BN 3500) TSI/VMS and System One Training for vibration system in JAPAN.
- : On-shore Training of Boiler Management System "BMS" (system overview, operation, maintenance windows, BMS software detail item operation & maintenance) by YOKOGAWA.
- : Training course for soot blower.

- : On-shore training for forced draft fan by Flactwood Company.
- : On-shore training for compressors by Cameron Company.
- : Training course for Control Valve by WEIR Co. on site.
- : Training course for Continuous Emission Monitoring System "CEMS" by EROOM Technology Co. on site.
- : Supercritical Thermal Power Plant operation & Maintenance on site.
- : Auxiliary Boiler operation & Maintenance on site.
- : Steam and Water Analysis System (SWAS) by DOOSAN Co. on site.
- : Training course of safety valves by FUKUI Co.
- : Operation & Maintenance Training of Burners by Hamworthy Combustion Training Institute.
- : Training course for commissioning and performance test by DOOSAN Co. on site.
- : Introduction in power stations operation in Ataka Power Station.
- : Water treatment course in Ataka Power Station.
- : Control system & instrumentation calibration course in Ataka Power Station.
- : Vibration & a limn course in Ataka Power Station.
- : Protection course in Ataka Power Station.
- : Industrial safety course in Ataka Power Station.
- : The Boiler tubes explosion course in Ataka Power Station.
- : Ecology course in Ataka Power Station.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Mar. 2020 till now
- Employer** : [EGYPTROL](http://www.egyptrol.com), AC Boilers Subcontractor
- Project** : Cairo West Thermal Power Plant (1x650MW NG/HFO fired unit) Supercritical boiler working at 260 bars
- Job title** : Operation & Start-up Leader
- Job Description** :
- Test all equipment FDF, GRF, BCP & RAH (solo test, mechanical test, function test).
 - Chemical Cleaning of boiler.
 - Make air balance test.
 - Make dry out Refractory.
 - Steam blowing for main steam and hot reheat and auxiliaries.
 - Bypass operation test.
 - Dummy synchronization test.
 - Follow-up Runback, Load rejection and island load test.
 - Good information about heavy fuel oil firing.
-
- Dates** : From Mar. 2019 till Feb. 2020
- Employer** : Fichtner Consulting Engineers
- Project** : Yanbu Power and Desalination Plant - phase 3 (5x623MW HFO/NG Fired units) Supercritical boilers working at 258 bars
- Job title** : Operation Engineer

Dates : From Apr. 2018 till Mar. 2019
Employer : [EGYPTROL](#), AC Boilers Subcontractor
Project : Helwan South Thermal Power Plant - three units (3x650MW NG/HFO Fired Units) Supercritical boilers working at 260 bars
Job title : CCR Operator
Job Description :

- Test all equipment FDF, GRF, BCP & RAH (solo test, mechanical test, function test).
- Chemical Cleaning of boiler.
- Make air balance test.
- Make dry out.
- Steam blowing.
- Bypass operation test.
- Dummy synchronization test.
- Follow-up Runback, Load rejection and island load test.
- Good information about heavy fuel oil firing.

Dates : From Aug. 2017 till Apr. 2018
Employer : [EGYPTROL](#), AC Boilers Subcontractor
Project : El-Shabab Combined Cycle Power Plant - two units (2x750MW) each unit has four gas turbine x 125MW and steam turbine x 250MW
Job title : CCR Operator
Job Description :

- Test all equipment (solo test, mechanical test, function test).
- Priming all systems like (feed water, condensate, closed cooling).
- Steam blowing.
- Bypass operation test.
- Dummy synchronization test.
- Follow-up Runback, Load rejection and island load test.

Dates : From Mar. 2016 till Jul. 2017
Employer : [EGYPTROL](#), HHI (Hyundai Heavy Industries) Subcontractor
Project : Jeddah South Thermal Power Plant four units (4x720MW HFO/CFO Fired Units)
Job title : CCR Operator
Job Description :

- Test all equipment (solo test, mechanical test, function test).
- Priming all systems like (feed water, condensate, closed cooling).
- Make air balance test.
- Make dry out.
- Steam blowing.
- Bypass operation test.
- Dummy synchronization test.
- Follow-up Runback, Load rejection and house load test.
- Good information about heavy fuel oil firing.

Dates : From Sep. 2011 till Mar. 2016
Project : El Ain Sokhna Supercritical Thermal Power Plant Project Units 1 & 2 (2x650MW Gas/Oil Fired Units)
(two units (2x650MW) using different Control systems, ABB (800XA) for Common "DCS", HITACHI (HIACS 7000) for Turbine Control System "TCS", YOKOGAWA (CENTEM VP) for Boiler Management System "BMS",

MITSUBISHI (WOODWARD) for Steam Turbine Driven Boiler feed water pump Train Control System "FWPT" & GE (BN 3500) for vibration system)

Job title : Shift Charge Engineer

Job Description :

- Witness the installation, inspection, function tests, commissioning and start-up the power plant.
- Review Piping & Instrument Drawing 'PID' before installation.
- Inspect the materials by material receiving report (MRR).
- Review isometric diagram for piping of all systems.
- Witness for hydro static test.
- Witness for chemical cleaning of the boiler.
- Follow-up the steam blowing for the boiler.
- Test the operation of the Fire Fighting System.
- Follow-up cold and hot commissioning.
- Test the operation of all mechanical equipments.
- Review all protections of Boiler and turbine.
- Sequence test.
- Follow-up start-up and shutdown.
- Witness the runback test, house load test and load rejection.
- Shift Engineer in Sokhna Power Station.
- Teach the operators how to switch from subcritical to supercritical.
- Teach the operators how to light off the burners by using gas and mazout.

Dates : From Jan. 2011 till Sep. 2011

Employer : EDEPC

Project : Ataka Thermal Power Station

Job title : Mechanical Maintenance Engineer in the Turbine Maintenance Dept.

Job Description :

- Maintain feed water pumps, bearings and V-type compressors.
- Pneumatic, Hydraulic, Motorized, Manual & Electric Actuator Valves.
- Make daily reports.

Dates : From Oct. 2008 till Dec. 2010

Employer : EDEPC

Project : Ataka Thermal Power Station
(contains four electricity production steam turbine units (2x300MW, 2x150MW))

Job title : Operation & Maintenance Engineer

Job Description :

- Worked as an Operation Engineer using DCS 'Ovation' for monitoring, managing and control the field and Maintenance Engineer in turbine department.
- Start-up and shutdown for thermal units.
- Observe any changes and variation in factors for these units.
- Solve any operation problems.