

Holds a B. Sc. in Mechanical Power Engineering and has over 14 years experience working in operation, commissioning and start-up.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 28/04/1982  
Gender : Male  
Marital Status : Married  
Residence : Suez

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Helwan University, 2008

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: AutoCAD 2D & 3D

## TRAINING COURSES AND CERTIFICATIONS

- : Ayoun Moussa Thermal Power Plant 2x320MW Basic Training Course (Babcock Boiler - Siemens Turbine) about: Pumps, Compressors, Boilers, Turbines, Fans, Heat Exchangers, Valves.
- : El Ain El Sokhna 2x650MW Supercritical Thermal Power Plant Basics Bechtel Training Course about: Pumps, Compressors, Boilers, Turbines, Fans, Heat Exchangers, Valves, Traps, Water Treatment, Water and Steam Basic Cycle, UPS, GIS, Piping & Fittings, etc.
- : El Ain El Sokhna Supercritical Thermal Power Plant Vendor Package Training like: Doosan supercritical boiler, Hitachi steam turbine generator, Torishima Japanese pumps, Bono Italy aux boiler, CTM Italy emergency diesel generator, Indian hydrogen production plant, Veolia chemical systems, Hyosung power transformers, ...etc.
- : El Ain El Sokhna Supercritical Thermal Power Plant: Site Specific Bechtel Training Course about Important Operation Systems such as:
  - Main Steam System.
  - Condensate & Feed Water System.
  - All Chemical Systems.

- Fuel Gas and Oil System.
  - Fire Protection System.
  - Closed Cooling Water System.
  - All Electrical Systems.
  - Boiler Air & Gas Systems.
  - Turbine Auxiliary Systems.
  - CEMS System.
- : South Korea at KPLI Training Center (Sep./Oct. 2011) about supercritical power plants start-up and shutdown simulation and troubleshooting and I visited Tean Power Plant in Korea and Doosan Manufacturing.
- : Japan at Hitachi Training Center (Jan./Feb. 2013) about supercritical power plants start-up and shutdown simulation, troubleshooting, and I visited Hitachi Manufacturing.
- : Thailand at EGAT Training Center (Feb. 2013) about subcritical power plants start-up and shutdown simulation and troubleshooting and I visited Mae Moh Power Plant in Thailand and Doosan Manufacturing.
- : ICDL (International Computer Driving License).

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Sep. 2020 till now
- Employer** : [EGYPTROL](#), AC Boilers Subcontractor
- Project** : Assiut Supercritical Power Plant
- Job title** : Commissioning & Start-up Shift Charge Engineer
- Job Description** :
- Commissioning & Start-up for all main equipment and auxiliaries of the 1x650MW supercritical boiler.
  - Attend all equipment commissioning activities such as:
    - Initial operation with heat run tests for all unit equipment.
    - Initial firing test by natural gas and solar distilled oil.
    - Steam blowing activities for steam piping.
    - Load Tests like Load Rejection, House (Island) Load, Load Swing & Ramp Rate, and Load Runback.
  - Monitoring and careful follow-up of all systems for supercritical boiler and its auxiliaries in normal and abnormal operations.
  - Preparing daily technical reports about the unit activities.
  - Preparing daily load profile curve on excel sheet.
  - Preparing daily boiler defect list on excel sheet and follow the problem with our team (Mech, Elec or I&C) until solving the problem.
  - Preparing unscheduled outage list by excel sheet and prepare RCA (Root Cause Analysis) for systems and components troubleshooting & malfunctions.
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- Dates** : From Apr. 2020 till Jun. 2020
- Employer** : [EGYPTROL](#), AC Boilers Subcontractor
- Project** : South Helwan Supercritical Power Plant
- Job title** : Commissioning & Start-up Shift Charge Engineer
- Job Description** :
- Commissioning & Start-up for all main equipment and auxiliaries of the 3x650MW supercritical boilers and one auxiliary boiler.
  - Attend all equipment commissioning activities such as:

- Initial operation with heat run tests for all unit equipment.
- Initial firing test by natural gas and solar distilled oil.
- Steam blowing activities for steam piping.
- Load Tests like Load Rejection, House (Island) Load, Load Swing & Ramp Rate, and Load Runback.
- Monitoring and careful follow-up of all systems for supercritical boiler and its auxiliaries in normal and abnormal operations.
- Making daily technical reports about the unit activities.

**Dates** : From Feb. 2019 till Nov. 2019  
**Employer** : FICHTNER GmbH & Co. KG - KSA  
**Project** : Yanbu Power and Desalination Plant Phase 3  
**Job title** : Consultant Shift Charge Engineer for Commissioning & Start-up of 5x650MW Supercritical Power Plant Project with 6 MSF desalination plants  
**Job Description** :

- Commissioning & Start-up for all main equipment and auxiliaries of the 5x650MW supercritical Boilers, 6 MSF desalination plants and two auxiliary boilers.
- Attend all equipment commissioning activities such as:
  - Initial operation with heat run test for all unit equipment.
  - Initial firing test by LFO/HFO/FG fuels.
  - Steam blowing activities for steam piping.
  - Load Tests like Load Rejection, House (Island) Load, Load Swing & Ramp Rate, and Load Runback.
- Make RCA (Root Cause Analysis) for systems and components troubleshooting & malfunctions.

**Dates** : From Jul. 2018 till Feb. 2019  
**Employer** : [EGYPTROL](#), AC Boilers Subcontractor  
**Project** : South Helwan Supercritical Power Plant  
**Job title** : Commissioning & Start-up Shift Charge Engineer of 3x650MW Supercritical Power Plant  
**Job Description** :

- Commissioning & Start-up for all main equipment and auxiliaries of the 3x650MW supercritical boilers and one auxiliary boiler.
- Attend all equipment commissioning activities such as:
  - Initial operation with heat run tests for all unit equipment.
  - Initial firing test by natural gas and solar distilled oil.
  - Steam blowing activities for steam piping.
  - Load Tests like Load Rejection, House (Island) Load, Load Swing & Ramp Rate, and Load Runback.
- Monitoring and careful follow-up of all systems for supercritical boiler and its auxiliaries in normal and abnormal operations.
- Making daily technical reports about the unit activities.

**Dates** : From Aug. 2017 till Jun. 2018  
**Employer** : [EGYPTROL](#), AC Boilers Subcontractor  
**Project** : Al-Shabab Combined Power Plant  
**Job title** : Commissioning & Start-up Shift Charge Engineer of 2x750MW Combined Power Plant

**Job Description** : 

- Start-up & shutdown of all HRSGs for two modules 2x750MW with 4 GT and 1 ST for each module by condenser ACC type.
- Attend all HRSGs commissioning activities such as:
  - Initial operation with heat run tests condensate Preheat circulating Pumps.
  - Steam-Blowing Activities for HP/LP Steam Piping.
  - Initial Turbine Rolling with Related Tests.
  - Initial Synchronization.
  - Load Tests like Load Rejection, and House Load.
- Monitoring and careful follow-up of all systems for supercritical unit and its auxiliaries in normal and abnormal operations.
- Making daily technical reports about the all HRSGs activities.

**Dates** : From Feb. 2016 till Jun. 2017

**Employer** : [EGYPTROL](#), HHI Subcontractor

**Project** : Jeddah South Thermal Power Plant (JSTPP)

**Job title** : Commissioning & Start-up Shift Charge Engineer of 4x723MW Supercritical Power Plant

**Job Description** : 

- Commissioning & Start-up for all main equipment and auxiliaries of the 4x723MW supercritical boiler and steam turbine generator units.
- Attend all equipment commissioning activities such as:
  - Initial operation with heat run tests for all unit equipment.
  - Initial Firing Test.
  - Steam-Blowing Process for Steam Piping.
  - Initial Turbine Rolling with Related Tests.
  - Initial Synchronization.
  - Load Tests like Load Rejection, House Load, Load Swing & Ramp Rate and Load Runback.
- Monitoring and careful follow-up of all systems for supercritical unit and its auxiliaries in normal and abnormal operations.
- Making daily technical reports about the unit activities.

**Dates** : From Dec. 2009 till Feb. 2016

**Employer** : East Delta Electricity Production Company (EDEPC)

**Project** : El Ain El Sokhna 2x650MW Supercritical Thermal Power Plant

**Job title** : Commissioning & Start-up Shift Charge Engineer of 2x650MW Supercritical Thermal Power Plant

**Job Description** : 

- Start-up, shutdown for all equipment and auxiliaries of the two 2x650MW supercritical steam turbine and generator units to connect to the national unified power system (NUPS) through the 500KV GIS switchyard.
- Attend and witness all equipment commissioning activities such as:
  - Flushing for Lube/control oil, IA & SA line, and initial operation with heat run tests for all unit auxiliaries.
  - Boiler Hydro Test and Boiler Chemical Cleaning.
  - Initial Firing Test wit Natural Gas.
  - Steam-Blowing Process for Steam Piping.
  - Initial Turbine Rolling With Related Tests.
  - Synchronization as First Time.
  - Load Tests like Load Rejection, House Load, Load Swing & Ramp Rate and Load Runback.

- Performance Test and Reliability.
- Coordinate and supervise all operation activities between all operators during start-up and shutdown.
- Monitoring and careful follow-up of all systems for two supercritical units and its auxiliaries in normal and abnormal operations.
- Making connection and disconnection for electrical circuits of 500KV, 6.3KV and operation of electrical diesel-generators.
- Train new operators in safe and efficient operation of the two supercritical units and its auxiliaries.
- Perform work permits and equipment lock out tag out.
- Making daily technical reports about the unit activities.

**Dates** : From Mar. 2009 till Nov. 2009  
**Employer** : Arab Pharmaceutical Glass Company, Egypt  
**Job title** : Shift Charge Engineer for I.S Glass Machines  
**Job Description** : Start-up and Shutdown of Glass Forming Machines I.S. Type (Individual Sections).

**Dates** : From Sep. 2008 till Feb. 2009  
**Employer** : Carlo Gavazzi Egypt (Electrical Service Co.)  
**Project** : Construction of 4 Units of Gas Turbo-Compressor and 4 Units of Gas Turbo-Generator at Petrobel Co. by GE Oil & Gas - Nuovo Pignone Co.  
**Job title** : I&C Calibration & Commissioning Assistant  
**Job Description** :

- Calibration of the Instruments and all Hydraulic and Pneumatic Control Valves.
- Check out and Troubleshooting of the Instruments Loops in Gas Turbine Unit.