

Holds a B. Sc. in Electronics & Communications Engineering and has over 13 years' experience working in I&C field.

PERSONAL DATA

Nationality : Egyptian
Birth Year : 1986
Gender : Male
Residence : Currently Dubai, UAE

EDUCATION

: B. Sc. in Electronics & Communications Engineering, El-Shorouk Academy, 2008

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

: MARK VIe Maintenance Course, GE Oil and Gas Training Center, Longmont, Colorado, USA (2016).
: DCS Ovation v3.5.1 Siemens (UEEPC), Cairo (2015).
: Civil and Fire Protection, Cairo (2013).
: Human Development, Cairo (2012 & 2013).
: DCS WDPF v2.0 Westinghouse (UEEPC), Cairo (2010).
: Combined and Steam Turbines (UEEPC), Cairo (2010).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2021 till now
Employer : GE Power, Dubai – UAE

- Project** : Ultra-supercritical (USC) Coal-fired Power Plant 4x600MW fitted with GE' s high efficiency ultra-supercritical technology, including boilers, steam turbines and generators
- Job title** : I&C Commissioning Engineer
- Job Description** : Carry out activities mainly in the boiler, commissioning instruments like:
- Transmitters of (pressure, temperature, level, flow).
 - Pressure gauges, positioners for air, gas and coal dampers.
 - RTDs and Thermocouples.
 - Positioners for control valves. Limit switches.
 - Commissioning and Calibrating All ERVs before safety valves.
 - Commissioning all the O2 analyzers (ABB).
 - Commissioning all instruments in the lube oil skid of coal mills, PA Fans, ID Fans.
 - Calculating airflow on the upper and lower SOFA.
- Dates** : From Jan. 2020 till Sep. 2020
- Employer** : EI-Sewedy PSP, Sharjah – UAE
- Project** : Al Layyah 1026MW CCPP fitted with Mitsubishi' s high efficiency gas and steam turbines, generators, condensers and other auxiliary equipment
- Job title** : I&C Commissioning Engineer
- Job Description** : Commission all the field instruments and troubleshooting from the field to the Engineering DCS.
- Dates** : From May 2017 till Nov. 2019
- Employer** : Siemens AG
- Project** : Beni Suef, Egypt
- Job title** : I&C Commissioning Engineer (T3000)
- Job Description** :
- Commission, calibrate and troubleshoot all the field instruments, check out all I/O loops, made all logic and graphics modifications necessary and performed all start-up testing, at a Power Plant with eight modules, 4800MW CCPP.
 - Flow, Level, Temperature Transmitter, control valve, motorized valve, Positioner, I/P converter, Indicator & controller, all types of mechanical gauges and SOV and all types of switches.
 - Provide support in the site service, configuration, troubleshooting and upgrade of DCS.
 - Assure product quality by testing finished products and system capabilities.
 - Installation, Calibration and Preventive maintenance of Field Instrument like: Pressure.
 - Site Inspection / walk-down, project work & manpower planning.
 - Loop Checks for the DCS, Cold Commissioning (CFT) and assistance during Hot Commissioning (HFT).
 - Operation maintenance, Erection, Commissioning of DCS (T3000).
- Dates** : From Nov. 2009 till Apr. 2017
- Employer** : Upper Egypt Electricity Production Company
- Project** : EI-Kureimat Thermal Power Station 2x627MW
- Job title** : I&C Maintenance Engineer (Ovation & MK VIe)

- Job Description** :
- Perform the maintenance and assistance in operating activities for 2 Steam Turbine GE G3 627MW and 2 Conventional Boilers, 36 Burner (BABCOCK & WILCOX - Canada).
 - Performing necessary troubleshooting and maintenance activities for all instruments in the field (Turbine instruments, Boiler instruments, different types of pneumatic and motorized valves) along with boiler and turbine Control system Mark VIe and Main DCS for the plant (Ovation).
 - Reviewing and modifying, if necessary, the graphics and logic diagrams with daily and weekly reports to my manager about the routine works.
 - Also, select the spare parts from the warehouse and organize with suppliers for needed spares.
 - Instruments make like Fisher Valves, VEGA Level Switches, Rosemont Transmitters, ASCO Solenoid Valves, ABB O2 analyzers, ABB Bailey Pneumatic Positioners, Fisher Pneumatic valve positioner, SAMSON Electro-pneumatic valve positioner, FLOWSERVE Analog valve positioner, TYCO Butterfly valve, ROSS EUROPA control valve, KROHNE flow switch, WIKA flow switch, Emerson flow meter, etc...

Further Projects:

- Turbine system upgrade from MK V to MK VIe after training on the system at GE facilities at USA: Replace, install and commission (I was a part of a group whose install and commission a new turbine system with a brilliant record only in 18 days) under supervision of GE project manager.
- Boiler system (DCS) upgrade from WE Station to Ovation: Replace, install and commission the boiler system (Ovation) under supervision of EMERSON team.

- Field of experience** :
- Working as a Maintenance, Commissioning and Control Systems Engineer.
 - Hands-on multiple DCS Systems like "GE MK VIe, Emerson Ovation and Siemens T3000".