

Holds a B. Sc. in Electronics & Communication Engineering and has over 18 years experience working in installation, pre-commissioning, maintenance, commissioning and development coordination of I&C systems in Power Plants.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Residence : Damietta

EDUCATION

: B. Sc. in Electronics & Communication Engineering, Suez Canal University, 2004

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Operating GIS SF6 66KV AEG Switch gear.
- : Operating GIS SF6 220KV AEG switch gear.
- : Operating 135MW Siemens Gas Turbine V94.2.
- : Control Instruments of Gas Turbines and Boiler.
- : Diesel Engine.
- : Electricity maintenance.
- : To do the work orders on Amplessma system.
- : Operating, monitoring & maintenance plant auxiliary.
- : Operation of steam power plant (boiler, turbine, generator, transformer).
- : Control systems such as PLC, SCADA, DCS and computer.
- : Design, Operation, and maintenance of electrical and electronics circuit.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Apr. 2013 till now
Employer : East Delta Electricity Production Company (EDEPC)
Project : Damietta Combined Cycle Power Plant 1700MW
Job title : I&C Engineer (Maintenance Dept.)
Job Description :

- Commissioning and Start-up for 6 Gas Turbine Siemens (V94.2) 135MW with control T3000 (update system from teleperm me to T3000).
- Maintenance & Monitoring of Siemens's gas turbine (135MW) v94.2 with control system T3000.
- Maintenance & Monitoring of steam turbine (Alstom) 145MW with control system A.B.B 800XA (AC800M controller - PGP program).
- Maintenance & Monitoring of BOP and 6 HRSG Boilers HRSG (Heat Recovery Steam Generation) and its auxiliary such as HP & LP pumps, drums, super heater, filling, safety valves, pumps, instrument sets pressure gauges (PG) & transmitters (PT) and working in the emergency trip of HRSG (ET). With DCS s control system Ovation v2.4.
- Calibration & installation for various instruments such as different type of Pressure, Level.
- Maintenance & Servicing of Security & Safety Systems like Fire Alarm, firefighting, deluge fire system, Access Control, FM 200, CO2 flooding system, etc.
- Maintenance & Monitoring of water and wastewater treatment plant with control system relay logic control and Allen-Bradley PLC.
- Testing of control valve, ESD valves, hydraulic or pneumatic valves, Vibration system like Bentley Nevada.
- Pre-commissioning and functional test of process loop by Interpretation of loop drawing, Instrument cabling & terminations details.
- Leading a team of instrument technicians.
- Reporting periodically to Maintenance Manager; preparing KPI, PM and CM reports.
- Troubleshooting the totally integrated automation TIA from Allen Bradley.
- Planning required upgradation for instruments to achieve production quality and cost minimizing.
- Installation, Maintenance and calibration of pneumatic control valves.
- Installation & Maintenance and calibration of different analyzers, PH, Conductivity.
- Installation & Maintenance and calibration of flowmeters (electromagnetic, orifice plate, variable area, turbine, ultrasonic, ...).
- Installation, Maintenance and calibration of transmitters PT, LT, TT, Calibrating and adjusting the dosing pumps (Prominent).

Dates : From Oct. 2017 till May 2018
Employer : ORASCOM
Project : New West Damietta Combined Cycle Power Plant
Job title : I&C Commissioning Engineer
Job Description :

- E&I works for 4x250 TPH HRSG Boiler.
- Commissioning and Start-up for BOP and 4 HRSG Boilers HRSG (Heat Recovery Steam Generation) and its auxiliary such as HP & LP pumps,

drums, super heater, filling, safety valves, pumps, instrument sets pressure gauges (PG) & transmitters (PT) and working in the emergency trip of HRSG (ET) with control system Mark Vie.

- Installation and Commissioning of Instrument and Systems.
- Installation of cable duct / tray, junction boxes and air distribution boxes, instruments with Supports, main air piping, control panels, marshalling racks and DCS, consoles and related auxiliary activities.
- Calibration of instruments and loop checking.

Dates : From Apr. 2008 till Apr. 2013
Employer : East Delta Electricity Production Company (EDEPC)
Project : Damietta Combined Cycle Power Plant 1700MW
Job title : Operator Engineer (1st Shift Engineer)
Job Description :

- Operating & controlling equipment's through D.C.S (Westinghouse).
- Ensure plant is running at optimal level, by reading trends and paying attention to detail to notice possible problems before they happen.
- Taking all steps to restore the normal operating condition in case of readings change due to causes not associated with the mode of operation.
- Report all plant upset conditions during Shift engineer.

Dates : From Dec. 2004 till Apr. 2008
Employer : Feeder Industries for cars (AKL)
Job title : Maintenance Engineer
Job Description : Maintenance and Operations Engineer where I performed preventive, corrective and predictive maintenance and troubleshooting based on root cause analysis as well as overhauls of control circuit, plc. Electrical circuit and Electronic billboards.

Field of experience :

- Maintenance & operation of Siemens's gas turbine (135MW) v94.2 with control system T3000.
- Maintenance & operation of steam turbine Alstom (145MW) with control system A.B.B 800 XA (AC800M).
- Knowledge of Configuring and faults diagnosis of DCS, PLC, SCADA, RTU, Profibus Communication, Analyzers and Control Loops.
- Installation, calibration and loop checking of the field instruments (Emerson Rosemount, ABB, Endress & Hauser, Bentley Nevada, Honeywell, Yokogawa, ...).
- Maintenance and calibration of the control valves (Pneumatic, Part turn, MOV, hydraulic, ...).
- Experienced in flow meters configuring (electromagnetic, orifice plate, ultrasonic, turbine, variable area).
- Designing, Implementing and Commissioning of new control loops as per site requirements.
- Review of control philosophy, P&I diagrams, cause & effect diagrams, instruments list, flow chart.
- Technical Support for the instrumentation team.
- Experienced in the field instruments and control systems procurement activities.

- Maintenance & Servicing of Security & Safety Systems like Fire Alarm, firefighting, deluge fire system.
- Maintenance of water and wastewater treatment plant with relay logic control system and Allen Bradley plc.
- Commissioning and Start-up for BOP and 4 HRSG Boilers HRSG (Heat Recovery Steam Generation) With control system DCS GE Mark Vie.
- Maintenance & operation of BOP and 6 HRSG Boilers HRSG (Heat Recovery Steam Generation with Control system DCS (ovation v 2.4).