

Holds a B. Sc. in Electronics Engineering (Instrumentation & Automatic Control Dept.) and has about 24 years' experience working in I&C, operation, commissioning and start-up at Power Plants. Team Leader and Tasks Ccoordinator. Proven experience in leading power plant commissioning team and coordinating team tasks and activities with construction and operation.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/01/1977
Gender : Male
Marital Status : Married
Residence : Heliopolis, Cairo

EDUCATION

: B. Sc. in Electronics Engineering (Instrumentation & Automatic Control Dept.), 2000

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: Primavera Planning Program

TRAINING COURSES AND CERTIFICATIONS

: Shoubra El-Kheima Power Plant Basics and Site Specifics Course on Operation & Maintenance of Power Station, Bechtel Company (from Jan. till Jun. 2001).
: Safety Fire marshal course (*NTD-UK), Certificate No. 0510154 (May 2010).
: Total Quality Management certified (Engineering Syndicate) (Nov. 2012).
: PMP certificate from Ain Shams University (Mar. 2013).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Oct. 2018 till Dec. 2024
Employer : [EGYPTROL](http://www.egyptrol.com) (SEPCO, ARAMCO Project)

Project	Shaybah Combined Cycle Power Generation Project, KSA
Job title	Commissioning Manager
Dates	: From Dec. 2017 till Aug. 2018
Employer	: EGYPTROL
Project	: HAIL 2 conversion from simple cycle to combined cycle power plant, KSA (4 Gas turbines (Siemens 4x80MW), 1 Steam turbine (Siemens 1x165MW))
Job title	: Commissioning Manager
Dates	: From Sep. 2017 till Nov. 2017
Employer	: ENI & PETROBEL
Project	: ZOHR PROJECT EGYPT (gas development project)
Job title	: Commissioning Leader
Dates	: From Nov. 2016 till Sep. 2017
Employer	: DGC/NAJIDIA DEVEOLPMENT COMPANY, KSA
Project	: POLYOXYMETHYLENE Project
Job title	: Commissioning Superintendent
Dates	: From Feb. 2010 till Jan. 2017
Employer	: IBERDROLA Construction & Engineering
Project	: El-Kureimat Integrated Solar Combined Cycle 140MW
Job title	: Commissioning Deputy Manager and Warranty Site Manager
Job Description	<ul style="list-style-type: none"> • Manage the Mechanical, Electrical and Instrumentation Departments for construction, Commissioning, quality management, preventive, corrective, predictive maintenance and operation activities for all Power Plant and Electrical Substation systems such as: <ul style="list-style-type: none"> - Gas reduction stations. - Gas turbine (GE 6FA). - Steam turbine (Siemens), Steam control system (SPPA-T3000). - HRSG (NEM). - Solar island integration system (Flagsol). - Electrical Substation (66KV). - Main transformers 11.6-66KV. - Medium voltage system (BBA) 6.6KV. - Low voltage system (BMA, BFA) 400v ac. - Safe voltage & UPS system. - HVAC. - Fire Fighting System. - ABB Distributed Control System. • Activities: <ul style="list-style-type: none"> - Monitor progress day-to-day on-site running activities, keep within the timescale and budget of a project. - Involved in the role is the managing of quality control, following Quality management standards to be matched with ISO Certifications, doing health and safety checks and the inspection of work, carry out safety checks and sort out any problems which could hold up work as it arise generating a healthy working area.

- Manage operation and preventive maintenance, corrective maintenance and predictive maintenance power plant equipment and business units.
- Manage the verification the construction of electrical and mechanical systems to be matching with the design and validated drawings.
- Managing up the construction progress with approve schedule from consultant and owner critical pass steps find out solutions to improve construction progress by means of increasing manpower or working in night shifts.
- Manage & prepare, check and review all, construction, commissioning procedure test protocols, following up the activities with subcontractors.
- Control and approve all work permits related to construction, commissioning or maintenance executed by subcontractor and commissioning team implementing LOTO safety procedure and precautions.
- Attend, manage and lead the commissioning and operation meeting with consultant (Fitchner) and owner (NREA).
- Manage the execution of all Quality assurance and function tests required for all BU'S such as BOP, GT and ST.
- Manage and supervise all activities related to air blowing; flushing of plant pipes for all systems included HRSG acid cleaning, steam blow activities.
- Manage and following all tests required for Gas Turbine, Steam Turbine such as:
 - Generator protection and interlock tests.
 - Synchronization auto, manual tests.
 - Over speed test.
 - Short circuit test.
 - Redundancy Equipments tests.
 - No load tests.
 - On load tests.
 - Load Rejection Tests.
 - Steam turbine and bypass system trip tests.
 - Grid Code Tests.
 - Trial operation tests (cold start, worm start and hot start) according to start-up curves.
 - Reliability Test.

Dates	: From Oct. 2008 till Feb. 2010
Employer	: Consortium (INITEC Energia + ALSTOM) (SPANISH + GERMAN COMPANIES)
Project	: Nubaria III Power Station (750MW) (2x250MW gas turbine (GE 9FA) + 250MW Steam Turbine (ALSTOM)) (STEAM TURBINE PACKAGE + BOP (CP-106 + CP-118))
Job title	: Operation & Commissioning Manager
Job Description	: <ul style="list-style-type: none"> • Supervise the Instrumentation department for Installation, Commissioning and Start-up operation activities. • Supervise the Mechanical / Electrical Department for construction, pre-commissioning and commissioning activities.

Dates : From May 2007 till Oct. 2008
Employer : Consortium (INITEC Energia + ALSTOM) (SPANISH + GERMAN COMPANIES)
Project : New Talkha Power Station (2x250MW gas turbine + 250MW Steam Turbine (750MW)) (STEAM TURBINE PACKAGE (CP-106))
Job title : Project Commissioning & Start-up Deputy Manager
Job Description :

- Supervise the Instrumentation department for Installation, Commissioning and Start-up activities.
- Supervise the Mechanical / Electrical Department for construction, pre-commissioning and commissioning activities.

Dates : From Oct. 2006 till May 2007
Employer : Consortium of INITEC Energia & ALSTOM
Project : New Talkha Combined Cycle Power Station 750MW (2x250MW Gas Turbine & 250MW Steam Turbine) (STEAM TURBINE PACKAGE (CP-106))
Job title : Project Commissioning & Start-up Engineer
Job Description :

- Supervise the Instrumentation Department for installation, commissioning and start-up activities.
- Supervise the Mechanical/Electrical Equipments Department for construction, pre-commissioning and commissioning activities.
- Instrumentation activities:
 - Supervise the calibration of all field instruments such as pressure, flow, level, ultrasonic level, vacuum smart transmitters and switches.
 - Calibration and adjust all types of (Pneumatic, Pressure, Flow, Temperature) Control Valves, Solenoid Valves and Motorize Valves.
 - Commissioning and Maintenance for Motorize Valves such as ROTORK, AUMA, LIMIT TORQUE, etc.).
 - Supervise the installation of all field instruments.
 - Field Loop Check for all signal related to DCS.
 - Functional logic and operational tests required in DCS.
 - PLC Programming and maintenance.
 - Prepare all test documents required to be handed over to the client.
 - Following PM and CM activities.
 - Following the safety instructions required during all commissioning activities.
 - All tests required for main, Auxiliary transformer (Siemens, Hyundai).
 - All tests required for Medium and Low voltage Systems.
- Mechanical/Electrical Equipments activities:
 - Make all functional and operational tests required for all mechanical and electrical equipments related to the contract.
 - Commissioning and maintenance of pumps (400VA/6.3KVAC) as KSB, ITUR, FLOW SERVE, ITT, Termomecanica.
 - Commissioning and maintenance (MV & LV) Motors such as ABB, WEG, TECO & SIEMENS, SEW EURODRIVE, etc.).
 - Pre-commissioning activities such as Hydro tests, Pneumatic tests, flushing, chemical cleaning and blow out the piping.
 - Put all systems in operation and following PM and CM activities.
 - Following the safety instructions required during all commissioning

activities.

- Prepare all test documents required to be handed over to the client.

Dates : From Mar. 2005 till Oct. 2006
Employer : INITEC Energia
Project : Nubaria Power Station I & II 1500MW Combined Cycle
(4x250MW Gas Turbine SIEMENS & 2x250MW Steam Turbine MHI)
Job title : Operation, Commissioning & Start-up Engineer
Job Description :

- Working on BOP for Piping and Mechanical Equipments Installation Package (CP-118).
- Supervise the Mechanical/Electrical Equipments Department for pre-commissioning and commissioning activities.
- Instrumentation activities:
 - Supervise the calibration of all field instruments such as pressure, flow, level, ultrasonic level, vacuum smart transmitters and switches.
 - Calibration and adjust all types of (Pneumatic, Pressure, Flow, Temperature) Control Valves, Solenoid Valves and Motorize Valves.
 - Commissioning and Maintenance for Motorize Valves such as ROTORK, AUMA, LIMIT TORQUE, etc.).
 - Supervise the installation of all field instruments.
 - Field Loop Check for all signal related to DCS.
 - Functional logic and operational tests required in DCS.
 - PLC Programming and maintenance.
 - Prepare all test documents required to be handed over to the client.
 - Following PM and CM activities.
 - Following the safety instructions required during all commissioning activities.
- Mechanical/Electrical Equipments activities:
 - Executed all functional and operational tests required for all mechanical and electrical equipments related to the contract.
 - Commissioning and maintenance of pumps (400VA/6.3KVAC) as KSB, ITUR, FLOW SERVE, ITT, Termomecanica.
 - Commissioning and maintenance (MV & LV) Motors such as ABB, WEG, TECO & SIEMENS, SEW EURODRIVE, etc.).
 - Pre-commissioning activities such as Hydro tests, Pneumatic tests, flushing, chemical cleaning, steam blow and blow out the piping related to the contract.
 - Put all systems in operation and following PM and CM activities.
 - Following the safety instructions required during all commissioning activities.
 - Prepare all test documents required to be handed over to the client.

Dates : From Mar. 2004 till Mar. 2005
Employer : INITEC Energia
Project : Cairo North I Power Station 750MW Combined Cycle
(2x250MW Gas Turbine & 250MW Steam Turbine)
Job title : Operation, Commissioning & Start-up Engineer
Job Description :

- Working on BOP for Piping and Mechanical Equipments Installation Package (CP-118).
- Supervise the Mechanical/Electrical Equipments Department for

pre-commissioning and commissioning activities.

- Instrumentation activities:
 - Supervise the calibration of all field instruments such as pressure, flow, level, ultrasonic level, vacuum smart transmitters and switches.
 - Calibration and adjust all types of (Pneumatic, Pressure, Flow, Temperature) Control Valves, Solenoid Valves and Motorize Valves.
 - Commissioning and Maintenance for Motorize Valves such as ROTORK, AUMA, LIMIT TORQUE, etc.).
 - Supervise the installation of all field instruments.
 - Field Loop Check for all signal related to DCS.
 - Functional logic and operational tests required in DCS.
 - PLC Programming and maintenance.
 - Prepare all test documents required to be handed over to the client.
 - Following PM and CM activities.
 - Following the safety instructions required during all commissioning activities.
- Mechanical/Electrical Equipments activities:
 - Executed all functional and operational tests required for all mechanical and electrical equipments related to the contract.
 - Commissioning and maintenance of pumps (400VA/6.3KVAC) as KSB, ITUR, FLOW SERVE, ITT, Termomecanica.
 - Commissioning and maintenance (MV & LV) Motors such as ABB, WEG, TECO & SIEMENS, SEW EURODRIVE, etc.).
 - Pre-commissioning activities such as Hydro tests, Pneumatic tests, flushing, chemical cleaning and blow out the piping.
 - Put all systems in operation and following PM and CM activities.
 - Following the safety instructions required during all commissioning activities.
 - Prepare all test documents required to be handed over to the client.

Dates	:	From Nov. 2000 till Mar. 2004
Employer	:	Cairo Electricity Production Company (CEPC)
Project	:	Shoubra El-Kheima Power Station 1300MW (4x325MW Steam Turbine)
Job title	:	Instrumentation & Control Engineer
Job Description	:	<p>Instrumentation activities:</p> <ul style="list-style-type: none">• Supervise the calibration of all field instruments such as pressure, flow, level, ultrasonic level, vacuum smart transmitters and switches.• Calibration and adjust all types of (Pneumatic, Pressure, Flow, Temperature) Control Valves, Solenoid Valves and Motorize Valves.• Supervise many major overhauls and maintenance for Steam Boilers:<ul style="list-style-type: none">- Boiler Control System.- Service and Instruments Air Compressors.- Vacuum Pumps Control.- Alarm System.- Boiler Feed Pumps Control (TRANSAMERCA DELAVAL – BENTLEY NEVADA CONTROL) and Monitoring System.• Supervise the installation of all field instruments.• PLC Programming and maintenance.• Following PM and CM activities.• Following the required safety instructions.

Skills:

- Monitor progress day-to-day on-site running activities, keep within the timescale and budget of a project.
- Manage the commissioning meetings (daily, weekly and monthly meeting) with our internal staff, subcontractor and client with his consultant.
- Manage the verification of the construction activities in the discipline of electrical, mechanical and instrumentation per system wise to be matching with the design and validated drawings.
- Monitor and control the construction activities with approve schedule from consultant and owner monitoring the critical pass steps find out solutions to improve construction progress by means of increasing manpower, working in night shifts, delivery of material locally if possible.
- Manage & prepare and review all, construction, commissioning procedure test protocols, following up the activities with subcontractors.
- Control and approve all work permits related to construction, commissioning and maintenance executed by subcontractor and commissioning team implementing LOTO safety procedure and precautions.
- Involved in the role of management of the quality control to be in line with ISO standard certifications.
- Keep monitoring the implementation of health and safety department performance by periodically safety checks of risk assessment to be matched with inspection of work carried out checks and sort out any problems which could hold up work as they arise.
- Keep monitoring and improving the operation of Business units, Oversee with site operation team on line with the safe operation of the plant as well as delivery of spare materials during maintenance activities.
- Keep with a close contact with members of site team at all times, and liaise with construction team, engineers, surveyors and planners.
- Ensure that work complies with regulations and health and safety legislation as well as other legal requirements.
- Keep the client updated regularly on progress, acts as the first point of contact for members of the public, vendors and sub-contractors.
- Make sure that the deadline for completing works are achieved according to planned schedule, taking the consideration the safety and quality of the project have been met accordingly.
- Manage and support the execution of Quality Audits together with external and internal auditors.