

Holds a B. Sc. in Electronics Engineering and MBA. Has 38 years of experience in the field of power stations instrumentation & control systems and management. He has been involved for the last 26 years in the conceptual, detailed design, engineering management for Sidi Krir 1 & 2, Ayoun Moussa 1 & 2, Sidi Krir 3 & 4, Cairo North Combined Cycle Power Plant Phase I & II. Project Engineer for Cairo North Combined Cycle Power Plant Phase I & II and El-Tebbin Power Plant 2x350MW Thermal Power Plant and Project Manager for Giza North Combined Cycle Power Project 3x750MW and Cairo West Supercritical Power Plant.

PERSONAL DATA

Nationality : Egyptian
Gender : Male

EDUCATION

: B. Sc. in Electronics Engineering, Menoufia University, 1980
: MBA, ESLSCA, 2010

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From 2016 till 2020
Employer : PGESCo
Project : Cairo West Power Plant (650MW Supercritical unit)
Job title : Project Manager
Job Description :

- Responsible for managing the procurement and contracts administration, project control (schedule, project cost man power, etc.), engineering, construction, commissioning and start-up reporting to the Company General Manager.
- Plan, Monitor, Control and Coordinate all project activities and departments deliverables.
- The contact person with Client and Contractors.

Dates : From 2010 till 2016
Employer : PGESCO
Project : Giza North Combined Cycle Power Plant (2250MW)
Job title : Project Manager
Job Description :

- Responsible for managing the project procurement, project control, engineering, construction, commissioning, start-up and initial operation and handing over to the client; reporting to the Company General Manager.
- Plan, Monitor, Control and Coordinate all project activities and departments deliverables.
- The contact person with Client and Contractors.

Dates : From 2005 till 2010
Employer : PGESCO
Project : El-Tebbin Thermal Power Plant (2x350MW)
Job title : Project Engineer
Job Description :

- Planning and estimating with engineering group Supervisors (EGS) the engineering activities and budget hours that required for implementing the engineering deliverables for the project in addition of approving the total project engineering budget hours.
- Leading the project engineering team (mechanical, civil, electrical, control system, plant design, and architect) to prepare the required technical specifications, drawings, data sheets and all engineering deliverables required for the contract package as well as the engineering detail design.
- Approve all technical deliverables issued by the engineering team.
- Review and follow up the engineering staff and engineering activities against the project scheduling.
- Coordinate and leading the engineering team for all the meetings with Owner and contractors during the pre-award meetings, kickoff meetings, design review meetings and all other coordination meetings.
- Coordinating all the engineering activities and tasks with the other disciplines such as the procurement, project control disciplines and construction team at site.

Dates : From Sep. 2004 till Dec. 2005
Employer : PGESCO
Project : ACESCO (Arabian Consulting and Engineering Service Company), Libya
Job title : Deputy Engineering Manager & I&C Systems Supervisor
Job Description :

- Seconded from PGESCO to ACESCO Company to carry out the following tasks.
- Deputy Engineering Manager for the Electrical and Control Systems disciplines.
- Responsible for control system discipline in the company, reviewing the control systems submittals and documentations submitted from vendors for the running projects, coordinates and follow up all I&C technical issues with the Owner and contractor for all the projects.
- Responsible for training the I&C engineers in ACESCO.

- Coordinating the electrical and control system meetings with the Owner and contractors.
- Represent the Owner in the engineering technical review meetings with the contractors in their facilities (Daewoo and Hyundai in Korea).

Dates : From Aug. 2001 till Aug. 2004

Employer : PGESCO

Project : Cairo North Combined Cycle Power Plant phase I & II (2x750MW)

Job title : I&C Systems Supervisor

Job Description :

- Leading the control system group who is responsible for the power plant control system and instrumentation engineering design, such as P&ID marking up and selecting the required and proper instrumentation and controls, issuing the control logic diagram and SAMA, the instrument installation details, the instruments and control valves data sheets and specifications.
- Preparing and issuing the specification for the plant DCS, Continuous Emission Monitoring System (CEMS), steam/water analysis panel as well as the data sheets for the plant instrumentation and control valves.
- Participate in preparing contract packages such as STG, CTG, HRSG, electrical, mechanical, etc.
- Prepare technical evaluation reports (I&C portion) for vendor's proposals, such as the STG, CTG, HRGS, etc.
- Supervising and managing the control system engineering activity, planning the group activities and tasks to meet the project schedule.
- Responsible for the control system group interface with the other disciplines.
- Responsible for the coordination of the interfaces between vendors.
- Participate in the project meetings to plan and discuss the schedule activities and the interface between different disciplines.

Dates : From Apr. 1999 till Aug. 2001

Employer : PGESCO

Project : Sidi Krir 3 & 4 (Egypt BOOT #1) Power Plants Project (2x340MW)

Job title : I&C Systems Supervisor

Job Description :

- The first 6 months as a Deputy Control System Supervisor in Bechtel office in Gaithersburg, USA. As Control System Supervisor for the rest of the project duration, when the project transferred to PGESCO office in Cairo.
- Leading the control system group who is responsible for the power plant control system and instrumentation engineering design, such as P&ID marking up and selecting the required and proper instrumentation and controls, issuing the control logic diagram and SAMA, the instrument installation details, the instruments material requisitions and specifications.
- Preparing the specification for the plant DCS, Continuous Emission Monitoring System (CEMS), steam/water analysis panel and issuing the data sheets and material requisition for the plant instrumentation and control valves.
- Prepare the technical evaluation report for vendor's proposals.

- Participate and coordinate with the other disciplines to complete the power plant engineering design.
- Supervising and managing the control system engineering activity, planning the group activities and tasks to meet the project schedule and responsible for the control system group interface with the other disciplines.
- Responsible to coordinate the interfaces between vendors.
- Participate in the project meetings to plan and discuss the schedule activities and the interface between different disciplines.
- Attending the factory acceptance test (FAT) for the DCS.
- Supporting the construction and start up teams till units' synchronizations and put successfully in operation.

Dates : From Jul. 1998 till Apr. 1999
Employer : PGESCO
Project : Al-Taweelah "B" Extension Combined Cycle Power Plant
Job title : Senior I&C Systems Engineer
Job Description :

- Participate in the plant engineering design face in Bechtel office in Fredrick, USA as detail below.
- Responsible for the Feed Water System, the Condensate System, the Auxiliary Cooling System, the Closed Cooling System, the Demineralized Water System, the Instrument Air and Service Air Systems and the HVAC and Fire Protection Systems. Reviewing the P&ID's, the Isometric drawings and any other related documents, plus design the logic and function control diagrams required for these systems.
- Prepare and draw the typical Instrument Installation Detail drawings.
- Prepare the data sheets for the required instrumentation.
- Design, draw and issue all logic diagrams and SAMA's for the power plant systems in Bechtel scope.

Dates : From Nov. 1995 till Jul. 1998
Employer : PGESCO
Projects : Sidi Krir & Ayoun Moussa Power Plants (4x320MW)
Job title : Senior I&C Systems Engineer
Job Description :

- Responsible of the instruments and control systems design for the Boiler Contract Package, Pumps and Drive Package, Water Treatment and Waste water Contract Package, Desalination Plant Package and Mechanical Contract Package. For these packages, attending design coordination meetings with contractors, review vendors documents and drawings and coordinating design requirements of contractors.
- Design, review and check the DCS logic, function diagrams, I/O points list and graphic displays, instrument data sheets, and instrument installation typical detail drawings.
- Checker for the electrical schematic detail designs and the electrical block draws.
- The technical support and checker for the control systems engineers.
- Attending the factory acceptance test for the power plant DCS (FAT).
- Instrument and control systems engineering technical support for construction team in Aleppo site in Syria (business visits) till Feb. 1997.

Dates : From May 1995 till Nov. 1995
Employer : PGESCO
Project : Aleppo Power Plant, Syria (5 units each is 200MW)
Job title : Senior I&C Systems Engineer
Job Description :

- Participate in the engineering design works for Aleppo Power Plant in Bechtel Head office USA, prepare instrument and control specifications, instruments data sheets and instrument installation detail (IID) drawings, involve in technical bid evaluation and review vendors drawings and documentation.
- Check systems logic prepared by other engineers.

Dates : From Jun. 1994 till May 1995
Employer : PGESCO
Projects : Sidi Krir & Ayoun Moussa Power Plants (4x320MW)
Job title : Senior I&C Engineer
Job Description :

- Participating with Bechtel's engineers in developing the project specifications and conceptual design.
- Mark up P&ID'S, Design the Logic Diagram and Functional Block Diagram for different systems using the Intelligent Logic and Functional Block Diagram Program, prepare instrument index list and technical evaluation for Bids proposals.

Dates : From Jun. 1993 till Apr. 1994
Employer : ABB, Mannheim, Cairo Office
Project : Cairo West Power Plant (units 5 & 6 – 2x320MW)
Job title : I&C System Commissioning Engineer
Job Description : Review erection and installation works for the ABB PROCONTROL System (DCS), Open and Closed Loops Hardware and Software installing, checking, testing, putting in service and commissioning with the Client.

Dates : From May 1991 till Jun. 1993
Employer : Ministry of Electricity and Water, Kuwait
Project : Doha West Power Station
Job title : Senior I&C Engineer
Job Description : Full responsibility of daily maintenance, troubleshooting, following up Contractor overhaul maintenance schedule, checking, testing, approving Contractors major overhaul maintenance work for all Power Units, Desalination units and Power Plant Auxiliaries.

Dates : From Sep. 1990 till May 1991
Employer : Electric Power System Engineering Co.
Project : Damietta Combined Cycle Power Plant (1200MW)
Job title : Senior I&C Engineer
Job Description :

- Assigned to work with Bechtel Power Corp. for Damietta Combined Cycle Power Plant Project (Steam Cycle).
- Reviewing contractors design documents, data sheets, logic diagrams, functional control diagrams, construction drawings according to the

project specifications and the coordination between the different contractors.

- Dates** : From May 1982 till Sep. 1990
- Employer** : Ministry of Electricity and Water, Kuwait
- Project** : Doha West Power Station
(8x300MW Power Units + 16x6 MGD Desalination Units)
- Job title** : Junior / Senior I&C Engineer
- Job Description** :
- 2 years: Desalination plant responsible for I&C construction following up, calibration of all field and electronic instrumentations, testing and commissioning open and closed control loops, unit and equipments protection logic and unit's start-up and operation.
 - 2 years: Power Station auxiliaries (HVAC, Air Compressed System, Water Treatment Plant, Fuel Oil Pump House and Chlorination Plant), full responsibility of daily, monthly and yearly overhaul maintenance, troubleshooting and spare parts preparing and ordering.
 - 4 years and 4 months: Power Units, full responsibility of the daily, monthly and yearly overhaul maintenance and troubleshooting of the Boiler and Turbine instrumentation and control system of two units in addition of preparing spare parts required for the power plant units.
 - Systems have been worked on MHI, BABCOCK, YOKOGAYA, YAMATAKE HONEYWELL, WESTINGHOUSE, ABB AND OTHERS.