

Holds a B. Sc. in Electronics & Communication Engineering, a Diploma of Higher Studies in Control Engineering, Equalized Degrees (1, 2) from USA Universities Council and Master in Industrial Risk Engineering Management. Has about 27 years hands-on experience working as Principal Automation Systems (SCADA/DCS/PLC) Engineer / Project Manager specialized in Instrument & Control Systems for Administration/Operation by using sophisticated S/W tools and Advanced H/W Equipments.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 12/02/1969
Gender : Male
Residence : 6 October City

EDUCATION

: B. Sc. in Electronics & Communication Engineering, Cairo University, 1991
: Diploma of Higher Studies in Control Engineering, Cairo University, 1994
: Equalized Degrees (1, 2) from USA Universities Council
: Master in Industrial Risk Engineering Management, 2013

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

: SCADA/DCS/PLC; VALMET-Automation Company, Houston, Texas, USA Maintenance, Configuration & Operation (6 months course).
: Training Course in Scientific Computer Center in Cairo University in UNIX & C++ (2 months).
: Siemens, Karlsruhe, Germany (2009) and DCS/ESD: PCS7 (1 month course).
: SCADA/DCS/EMS ABB-Automation University, Vaster-as, SWEDEN (3 months course).
: SCADA/DCS/EMS Alstom-Automation, Massy – France (3 months course).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From 2017 till now
Employer : Atlas Consultancy & Engineering Services Company
Project : Turn-Key Project constructed on EPC Basis for: 380/132/13.8KV and link that with National Control Center (NCC-SCADA / EMS) & (SIS/SIF/ESD/DCS)
Job title : Project Manager

Dates : From Oct. 2012 till 2017
Employer : ABC (AL-BABTIAN Contracting) Services
Job title : Project Manager
Job Description :

- Main-Contractor responsibilities' involves: Civil / Mechanical / Electrical Power / Electro-Mechanical / Automation.
- Establishment of the project execution plan; to include definition on project objectives and strategies, work scope, risk and opportunities, overall work plan and schedule, financial plan, quality and safety requirements, etc. This will be consistent with the terms of the respective contract between CLIENT and ABC project execution plan mandatory contents.
- The administering of the contract agreements between CLIENT and ABC and its subcontractors whereby ABC and Client interests are protected and costs are managed.
- The maintaining of close contact with respective Clients throughout the project to ensure satisfactory reaction to client's needs or criticisms.
- The monitoring and control of project performance against budget, schedule, and quality and safety requirements using appropriate control tools and reporting of same to Client.
- Preparation of regular project progress and cost reports.
- Cost report to include the Earned Value Analysis with Forecast on completion.
- The identification of changes in the scope of work and ensuring that appropriate change requests are current and adequate.
- The promotion of quality and safety on the project in consultation with quality and safety representatives.
- The issuing of directions for Job close-out and the securing of the final project acceptance and contract release from client.
- Commitment to and promotion of CLIENT values and ensuring the realization of company and project health, safety, environmental, quality and ethics, systems, policies and procedures.

Dates : From May 2011 till Sep. 2012
Employer : ESBI (Energy Supply Board International)
Job Description :

- Senior Automation Engineer for consultancy services to clients: BanaGas – GPIC – Bapco – EWA – Tatweer – PDO.
- Design & Review the specification for new Instrument/Automation systems.
- Witness/Inspect testing for new upgrading SCADA/DCS/ESD systems.
- Inspect & diagnosis for Plant/Systems technical problems.

- Approve Method-Of-Statement for systems Handing-Over.
- Check and Approve vendors' standards with the universal standards.
- Provide technical reports and studies for best performance operating condition and accidents if any.

Dates : From 2008 till May 2011

Employer : Egyptian Polypropylene Production Company (EPPC)

Job title : Senior Control & Automation Engineer
(Control Center: SCADA / DCS / PLC / ESD)

Job Description :

- Work experience ranges from the Maintenance / Operation & Administration for the Control Networks (LON-GS-US) and its attached Devices and Equipment, in charge of keeping up and managing the S/W Programs in the Control Center and the Administration & Maintenance for SCADA / DCS / EMS / PLC.
- Strong practical experience in the RTU/SCMS/MTU.
- Strong & convenient know-how in Digital Instrumentation and Control Equipment's: Sensors / Transducers / Relays, Instrument / Control: Modeling / Design.
- Applications in Design / Operation and Specifications for new build plants and support when the sites are in project phases and after that.
- Experience gained in the practical application Electrical / Water / LNG / Petrochemical Instrument & Control Design / Operation / Maintenance phases.
- SIS/SMS: Safety Instrument System/Safety Management System.
- EMS: Enterprise Management Systems.
- Experienced in modeling/configure & diagnosis the control/automation of: compressors with Anti-surge control, turbines (gas, steam), as applications, programs, OPC, Platforms, Protocols.
- Burly sensible experience in Automation-Systems techniques from Universal-Station (US) to Global-Station (GS) Site/Field and Control techniques for Electrical Generators that are used Gas & Steam Turbines as supply; LNG/Petrochemicals:
 - ASIC: Application Specific Integrated Circuit.
 - SMS: Safety Management Systems.
 - ESD: Emergency Shutdown Systems.
 - PSD: Process Shutdown Systems.
- My role involves providing knowledge specialist the Development Electrical Systems.

Dates : From 2007 till 2008

Employer : KAHRAMAA Water & Electrical Co.

Project : Water Control Center Project

Job title : Water Control Engineer

Job Description :

The responsibilities and accountabilities but not exclusively that was assigned to systemize & automatize the Procees Control of:

- Water Deslination (Techniques/Methods) & Process Generation of potable water from sea.
- Municipal Water Treatment.
- Treatment of Water for Industrial Use.
- Sewage Water Treatment.

- Industrial Wastewater Treatment.

Dates : From 2004 till 2007
Employer : SHARJA Electrical & Water Authority
Job title : Control & Instrumentation Engineer
Job Description : Worked for National Control Center of:

- SCADA: Supervisory Control and Data Acquisition.
- DCS/ESD/LNG: Distributed Control System/ Emergency Shutdown System/Liquefied Natural Gas, for system: AREVA - France/Massy - EMP/E-Terra/Habitat.
- Capability to configure all kinds of GT's & ST's and S/S's Bulk Equipments.
- Ability to do developing over SCADA/DCS/EMS/PLC using the standard Protocols IEC: FIELDBUS, PROFIBUS, MODBUS, etc.
- Gained knowledge, absorb of application and make use of such knowledge in achieving missions/tasks for different technologies in few weeks with aptitude of breaking the license time agreement of SCADA/PLC/EMS/DCS jobs/tasks.

Dates : From 1998 till 2004
Employer : Abu Dhabi Water Electricity Authority (ADWEA)
Project : National Control Center in TRANSCO
Job Description :

- Experienced as System Engineer in control/automation for various phase of SCADA/DCS/PLC Projects/Systems covering.
- Installation/Modeling/Testing/Pre-Commissioning, Pre-Start-up test with administrative management with consultants and contractors and other sections internally.
- Configuring SCADA/EMS/PLC/DCS: Design/Utilizing the supplier Contractors packages and Consultants Specifications.
- Practical-Technical experience in SCADA/EMS/PLC/DCS Maintenance of RTU/SCMS/MTU/FPGA; SDH/PDH in GS-US for Centers and plants while dealing with Operation and Maintenance Sections for the Process and Site/Field.
- SDH/PDH/F.O & Industrial Ethernet Protocols.

Dates : From 1992 till 1998
Employer : Cairo Electricity Transmission & Distribution Control Center for Electricity & Utilization (CETDC)
Job title : SCADA Engineer
Job Description :

- SCADA/EMS/PLC/DCS: Implementation and maintenance for a variety of international systems.
- Highly qualified Instrumentation/Control/Automation System Engineer for the Control Centers.

Field of experience :

- Summary:
 - From 1992 till 2003 experience was in Electricity and Water.
 - From 2004 till now experience in LNG and Petrochemical.
 - Control & Automation (SCADA / DCS / PLC) in the field of Configuration / Maintenance / Implementation / Administration

- support for Power / GAS plants as Project-Team member for SCADA / EMS / PLC / DCS.
- Work as Project Team Member "Internal Consultant" in 3 projects that gain me 19000 hrs projects experience.
 - Participated in 5 systems as Control/Automation Engineer for the following SCADA/DCS/PLC systems:
 - ABB-Sweden: SCADA/SPIDER7.3; DCS 400; PLC / AC31 / Midsize.
 - PML-Canada: PMS3.1; PEGASYS/PLC3720.
 - VALMET-USA-OASYS: SCADA/PLC:VER 5.3.1.
 - AEG-Austria: SCADA/GEATRANS, VER 2100.
 - AREVA-France: SCADA/EMP2.1.1/Habitat5.2.1; DCS/PACiS; PLC5000.
 - DCS/PCS7-Schematic Siemens-Germany-Karlsruhe.
 - Participated in Design and Implementation as Internal Consultant in the companies, which I worked for in 3 projects for COMMISSIONING-AVAILABILITY:
 - RFP: Proposal for Request.
 - FSD: Functional Specification Document.
 - CTD: Contractual Technical Document.
 - COTS: Commercial of the Shelf.
 - FAT: Factory Acceptance Test.
 - SPV: Signal Point Verification.
 - SAT: Site Acceptance Test.
 - CAD: Certificate Acceptance Document.
 - Since 1992, I worked in 5 companies, 6 control centers, and 4 systems. The systems which I had been working, 3 of them I start the project phases despite the fact that since 1996, I was working as Internal Consultant or Project Engineer.
 - Duties & Responsibilities:
 - Development of Instrument and Control portion of P&ID's.
 - Creation and Management of the Instrument Index database.
 - Specification and selection of field instruments to meet performance criteria.
 - Instrument Sizing calculations (Control Valves, Relief Valves, Flow Elements and thermowell vibration calculations).
 - Specification, selection and purchase of all Instrumentation.
 - Specification, selection and purchase of Process Control Systems and Safety systems.
 - Create and manage instrumentation scope work for the project.
 - Integrate packaged equipment into the overall system design
 - Oversee development of detailed design drawings including Instrument Plans, Details, Wiring, Loops, and Fabrication Drawings.
 - Knowledge of industry codes and standards applicable to Oil and Gas and Refining Industries (API, ISA, NEC / IEC, NFPA, ASME, etc.).
 - Interface with the Project Management team and Client.
 - Develop and maintain labor and material estimates for projects.
 - Develop and maintain instrumentation progress, schedule, staffing planning, and coordination with project management including regular reporting.
 - Provide proposal support for multiple proposals simultaneously.
 - Ability to generate department administrative and technical

- standards and procedures.
- Ability to train and mentor instrumentation staff.
- Coordinate with project discipline lead engineers to ensure correct implementation of the design for his engineering specialty and coordinates the work of engineers within his specialty.
- Prepare and review engineering studies, design drawings and documents, and material and equipment specifications; resolve specialty related engineering issues by applying accepted principles, codes and standards.
- Responsible for all technical aspects of the Instrumentation and Controls.
- Coordinate designs with all other applicable departments.
- Ensure calculations are developed in accordance with the approved procedures.
- Coordinate the specification and procurement of field instruments.
- Coordinate the specification and procurement of Control and Safety Systems.
- Inform Purchasing and Engineering Manager, as they occur, of all revisions in designs requiring cost changes or delivery changes.
- Prepare and maintain the engineering deliverables and drawing lists and report progress by drawing and/or activity. Participate in scheduling of engineering and design activities.
- Prepare or review sketches, plans, drawings, bulk material quantities and man-hours for estimating purposes.
- Develop and maintain project specifications and drawings as required.
- Review vendor data and route vendor data to other affected disciplines.
- Squad check drawings from other disciplines in a timely basis.
- Functional design of the Process Control Logic and Safety logic (defining requirements).
- Provide strong and effective leadership for the Automation Department to facilitate high performance Engineering & Design delivery, through its people, processes and systems, in a suitable manner.
- Provide effective communication and leadership for the Automation Department as part of a larger EC&I group, that delivers the key messages of delivering on our promises, adding value and enhances the culture of client focus and delivering client delight.
- As Chartered-Head had a B. Sc. in Control and Instrumentation, Electrical, Engineering, Furthermore Higher Studies.
- Previous experience in the design, engineering and implementation of instrumentation, Programmable Logic Controllers (PLCs), Distributed Control Systems (DCS), SCADA and associated monitoring and control equipment, systems and subsystems.
- Manage Plans and execution of Automation Engineering efforts for the design and implementation of automation systems for Gas/Water/Electrical and process industry project.
- Provide technical consulting/support, guidance and expertise for all phases of automation projects, front-end engineering through detailed design, configuration, implementation, start-up and commissioning.
- Personal Competence:

- Core experience demonstrated in managing construction/EPC, related to Electrical & Instrumentation projects in the Oil & Gas sector; Middle East experience: management, administrative, supervisory and leadership skills.
- Manage the operational and fiscal activities of the department; demonstrated ability in contracts and commercial management; strategic planning and operations initiative.
- Specific Knowledge:
 - Participating in developing the organization resources e.g. specifications, data sheets, Minimum quality surveillance, supplier requirements, Quality Manual, Engineering Instruction and Design Guides.
 - Participating in the purchasing activities e.g. the issuance of material requisitions, technical and commercial evaluation of the received bids and supplier document review.
 - Dealing with international contractors like ABB, SIEMENS, VALMET, PML, AEG and ALSTOM.
 - Interfacing abroad with different suppliers and companies in different activities like Engineering, Design Review, Inspection & Testing and Special Assignments, using: Maximo and InTools-7_Intergraph.
- Technical Skills:
 - Brawny & handy experience in Instrumentation/Control of Sensors / Transducers / Transmitters for all kinds of valves and pumps.
 - Strong experience in standards protocols: IEC 60870-5-10x, IEEE802.3 and ISO 8802.3.
 - Configuration in the LON: Local Operation Network, PCN: Process Control Network (Cascade, Split Range, Ratio) Control.
 - Strong & practical experience in Digital Control Instruments: "Wood/Ward - Micro/Scan - Emerson - Endress & Hauser".
 - Industrial Ethernet Protocols: Analyze / Tracking / Configuring for MODBUS, PROFIBUS and FIELDBUS: PHD, CAN.
 - Using: Maximo and InTools-7_Intergraph: SCADA/DCS Application Smart Plant Instrument.
 - Familiar with Ethernet 100Fx with different models (VF-MT-RJ: M81XX) for fiber optic network adapter cards and patch cables; Strong practical background in DWDM & SDH & SONET Interfaces.
 - Multi-Plat-Form Administration / Configuration / Maintenance: UNIX, WINNT, Linux.
 - Administrating / Maintenance / Configuration: Sybase11, ORACLE7, OPC, DCOM, COM for RTDB.
 - HP/Compaq Servers Maintenance & Configuration.