

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 30 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

: PMP & Leadership & Managers Skills & QMS/Safety.  
: 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 2019 till now  
**Employer** : MEPCO - Integrated Engineering Works  
**Project** : Turn-Key Project constructed on EPC Basis for INFRASTRUCTURE NETWORKS, that Includes: ELECTRICITY (MV/LV) / SEWERAGE / WATER / IRRIGATION / TELEPHONE / INTERNET; and link all that to Municipality Center Via/Versus: (BAS/DCS/BMS/PLC)  
**Job title** : Project Manager  
**Job Description** : Responsible for executing planning the project in order to:

- Accomplish its goals within constraints such as Time, Cost, Scope, Budget, and Agreed Quality Standards.
- Review while executing project work plans and revise as appropriate to meet changes.
- Maintain the project budget for delivering the project within the defined/approved budget.
- Producing and Maintaining detailed project plans, critical path analysis, weekly and monthly progress reports.
- Identify resources needed and assign individual responsibilities.
- Ability to provide sufficient input into the technical analysis of the project
- Manage day-to-day operational aspects of a project and scope.
- Review deliverables prepared by the team before passing them to the client.
- Minimize our exposure, risk on the project and enforces Co.'s methodology & project standards.

**Dates** : From 2016 till 2018  
**Employer** : Atlas Consultancy & Engineering Services Company  
**Project** : EPC-Turn Key Project (Energy (GT & ST) / Water Desalination Plants)  
**Job title** : Technical Project Manager  
**Job Description** :

- Operate at different levels of abstraction from high-level strategic planning to tactical project management of prioritization, creating schedules, milestones, deliverables, and MOC.
- Gather/Analyze requirements and break them down into the technical user stories required to complete a project phase.
- Identify the Resources/Solutions needed and work closely with team leaders to maintain full visibility of the project schedule and potential roadblocks.
- Participate in meetings with decision-makers, systems owners, and end-users to document business requirements and Goals/Milestones.
- Help drive clarity and transparency within cross-functional teams.
- Help customers plan and identify the best ways to utilize products.
- Understand the technical complexities of multi-tiered web solutions, mobile solutions and systems integration, their underlying technologies, and the latest technological tools.

**Dates** : From 2014 till 2016  
**Employer** : ABC (AL-BABTIAN Contracting) Services, KSA  
**Job title** : Project Manager

**Job Description** : • Main-Contractor 3S/S – 132/66KV responsibilities involves: Civil / Mechanical / Electrical-Power / Electro-Mechanical / Automation. Plan for EPC Turn-Key Basis Power-Station Grid Construction. That includes nevertheless exclusively: Establishment of the project execution On project objectives and strategies, work scope, risk and opportunities, overall work plan and schedule, financial plan, quality and safety requirements, etc.

- Consistency with the terms of the respective contract between CLIENT-Side and ABC project execution plan mandatory contents.
- Administering of the contract agreements between CLIENT-Side and ABC with its' subcontractors whereby ABC and Client interests are protected and costs are managed.
- Upholding close contact with respective Clients throughout the project to ensure satisfactory reactions to clients' needs or criticisms.
- Monitor/Control project performance against budget, schedule, and quality and safety requirements using appropriate control tools and reporting of same to the Client.
- Preparation of regular project progress and cost reports.
- Cost report to include the Earned Value Analysis with Forecast on completion.
- Identification of changes in the scope of work and ensuring that appropriate change requests are current and adequate.
- Promotion of quality and safety on the project in consultation with quality and safety representatives.
- Issuing of directions for close-out Jobs' and securing the final project acceptance and contract release from the client.
- Commitment to 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), Bahrain

**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.
- Testing/Commissioning: Power Plants, Desalination Plants.
- 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 2007 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.
- Modeling / Design Applications in Design / Operation and Specifications for New build Plants and support when the sites are in Project phases.
- Experience gained in the practical application: LNG/Petrochemical.
- Strong & convenient Know-how/Do-how in Digital Instrumentation and Control Equipment's; Sensors/Transducers/Relays.
- 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.
  - SIS: Safety Instrument Systems.

**Dates** : From 2004 till 2007  
**Employer** : SEWA/GAS - SHARJA Electrical & Water Authority  
**Job title** : SME / Control & Instrumentation Engineer for National Control Center  
**Job Description** : My role involves Participating in All Phases of the New scratch Control Center Integration with Power Network Grids & Water Generation / Desalination. Providing knowledge to specialists in the Operation & Development of Power/Water Systems/Networks.

- 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.
- Strong practical experience in the RTU/SCMS/MTU.

**Dates** : From 1998 till 2004  
**Employer** : TRANSCO - Abu Dhabi Water Electricity Authority (ADWEA)  
**Project** : National ADWEA Control Center  
**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 versus 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 Center's & Instrumentation Site/Field.
- 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, Worked as a Commissioning/Testing – Availability Project Engineer in all above Companies/Projects for:
      - 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 / SME.
  - 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): SMS/SIS/SIF: 61508 & 61511.
- 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.
  - Gained knowledge, absorb of application and make use of such knowledge in achieving missions/tasks for different technologies in a few weeks with the aptitude of breaking the license time agreement of SCADA/PLC/EMS/DCS jobs/tasks.
- 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.