

Holds B. Sc. in Electrical Power Engineering and M. Sc. in Renewable Energy. Has about 17 years of extensive experience in process protection, control and instrumentation design, in addition to remarkable project management and leadership skills. Has actively participated and led teams in mega projects across Egypt, Iraq, Libya and USA.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 25/07/1984  
Gender : Male  
Marital Status : Married  
Residence : New Cairo

## EDUCATION

: B. Sc. in Electrical Power Engineering, Ain Shams University, 2006  
: M. Sc. in Renewable Energy, Ain Shams University, 2012  
: Secondary Education: Manor House School, Cairo, 2001

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: MS Project  
: Smart Plant Instrumentation

## TRAINING COURSES AND CERTIFICATIONS

: Project Management Professional (PMP) certificate.  
: Data Analysis – by Udacity.  
: Being Exceptional – London Business School.  
: Business Strategy and Financial Performance – INSEAD Business School.  
: Business Finance & Strategy – by Paradigm Learning.  
: Contracts Formation & Management – by Bechtel.  
: Boiler Control and Instrumentation – by Bechtel.  
: Control Valves Sizing & Selection.

- : Safety Systems.
- : Renewable Energy.
- : Smart Plant Instrumentation.
- : Ovation (Emerson DCS) hardware / software design.
- : Centum CS (Yokogawa DCS) hardware / software design.
- : IA (Invensys DCS) hardware / software design.
- : MaxDNA (Metso DCS) hardware / software design.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jan. 2015 till now
- Employer** : PGESCo
- Job title** : Project Engineering Manager
- Job Description** :
- Managing project team to ensure the deliverables meet the project schedule, quality and technical baselines.
  - Member of Vendor Relationship Management team.
  - Define projects Division of Responsibilities (DOR) and milestones with stakeholders.
  - Plan and monitor project ties to meet the project schedule.
  - Maintain relationship with stakeholders to facilitate project execution and secure continuing business.
  - Lead subcontractors to assure timely execution of the project and compliance with baselines.
  - Assess project change requests to consider their impacts on budget, quality, schedule and risks.
  - Prepare and issue material requisitions.
  - Bidder's offers analysis and evaluation.
  - Provide proposals pricing estimation.
  - Site support during site commissioning and start-up phases.
  - Achievements: Achieve the projects fast track milestone schedule, contractual technical requirements, quality and performance.

- Dates** : From Jan. 2012 till Dec. 2014
- Employer** : PGESCo
- Job title** : I&C Engineering Team Leader
- Job Description** :
- Design the plant safety protection, automation and control philosophy.
  - Design data communication concepts between the different control systems.
  - Design fire alarm and light current systems.
  - Design the plant I&C cables.
  - Design the plant control system (DCS) process functional logics.
  - Develop the plant DCS, instrumentation and control valves specifications.
  - Document analysis and bid evaluation of the plant packages.
  - Attend Factory Acceptance Test (FAT) of plant DCS in ABB Italy, to assure compliance and adequacy.
  - Site support during site commissioning and start-up phases.

- Achievements:
  - Achieve the aggressive fast track schedule of Egypt's emergency preventive plan projects of summer 2015 (6 months for Simple Cycle synchronization).
  - Shift to different business model (EPC design office).
  - Utilize new software platform (Smart Plant Instrumentation).

**Dates** : From 2011 till 2012  
**Employer** : PGESCO  
**Job title** : DCS Engineering Group Leader  
**Job Description** :
 

- Lead the team to develop standard specification, typical and process functional logics.
- Review specifications, studies and drawings of PGESCO different projects before issuance.
- Final readiness inspection for control systems prior the start-up operation, for Thermal and Combined Cycle Power Plants.

**Dates** : From Sep. 2010 till Dec. 2010  
**Employer** : Bechtel  
**Job title** : I&C Engineer (on-job training)  
**Job Description** :
 

- Member of the I&C engineering team; designing the plant control system DCS logic diagrams of the main steam, bypass steam and water systems.
- Prepared and conducted the plant DCS technical meetings.

**Dates** : From 2006 till 2010  
**Employer** : PGESCO  
**Job title** : I&C Engineer  
**Job Description** :
 

- Responsible Engineer for the plant DCS package; prepare tender specifications and datasheets, DCS sizing, I/O list, logic diagrams.
- Responsible Engineer for I&C scope of the major equipment (Steam Turbine Generator (STG), Heat Recovery Steam Generator (HRSG), Continuous Emissions and Monitoring System (CEMS), vibration monitoring and analysis system, switchgear; prepare specifications and datasheets, review suppliers documents, correspondences, contract verification.
- Attend Factory Acceptance Test (FAT) plant DCS in Yokogawa Bahrain, and Switchgear in Schneider Egypt, to assure compliance and adequacy.
- Site support during site commissioning and start-up phases.
- Achievements:
  - Achieve projects deliverables, satisfying the schedule, quality and technical requirements.
  - Execution and closure of contracts, achieving stakeholder's satisfaction.

**Projects:**

- Abroad:
  - USA – Ivanpah Concentrated Solar Power Plant (392MW).

- IRAQ – Baiji Power Plant (1014MW).
- LIBYA – Lamlouda Power Plant (100MW).
- Egypt:
  - Warehouse – East Cairo Logistics Park (Amazon Warehouse).
  - Water – Beni Suef Water and Wastewater Treatment Plant.
  - Power – Burullus Power Plant (4800MW).
  - Power – New Capital Power Plant (4800MW).
  - Power – New Assiut Power Plant (1000MW) – Egypt Emergency Preventive Plan 2015.
  - Power – New West Damietta Power Plant (500MW) – Egypt Emergency Preventive Plan 2015.
  - Power – Banha Power Plant (750MW).
  - Power – Nubaria III Power Plant (750MW).
  - Substation – Naga Hamadi Substation.
  - Substation – East Qena Substation Plant.
  - Technical Support for several Thermal & Combined Cycle Power Plants.

Skills:

- Project Management.
- Budget & Schedule planning.
- Strong experience in performing all engineering activities related to instrumentation, automation, protection & control systems.
- Remarkable knowledge of the process industry codes & standards (ASME, ISA, NFPA, KKS).
- Construction, Commissioning & Start-up support.