

Sherif Ali Abd El Rahman Ali

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Objectives

Assistant lecturer in Cairo University Faculty of engineering Mechanical Design and production Department.

Senior application engineer with 7 years of a wide experience in the field of instrumentation, control & Automation systems, Specialist in ESD & FGS applications

Proven leadership skills in managing projects schedule, resource planning and control team to achieve company objectives. Customer satisfaction and successful deliverables.

2013

M.Sc. in Mechanical Design and Production Engineering

Thesis title: Influence of EDM Parameters on Material Removal Rate, Surface Quality and Fatigue life of Die Tool Steel D2.

2007

B.Sc. in Mechanical Design and Production Engineering

Cairo University, Egypt

Graduation project: Software Simulation of Real Anti- Surge Controlled Compressor

Graduation project grade: Excellent.

Feb 2008– Present

Cairo University Faculty of engineering

Assistant lecturer in Mechanical Design and production Department

Teaching Experience:

- 1- TMG 105 “**Material science**” undergraduate Student (1st year) 2008– Present
- 2- TMG 107 “**Production Engineering 2**” undergraduate Student (1st year) 2009– 2012
- 3- TMG 207 “**Casting**” undergraduate Student (2nd year) 2008– Present

TMG 003 “**Fundamentals of Manufacturing Engineering**” undergraduate Student (Preparatory year)
- 4- TMG 108 “**Metrology**” undergraduate Student (1st year) 2008– Present
- 5- TMG 106 “**Strength of Materials and Testing**” undergraduate Student (1st year) 2008– Present
- 6- TMG 202 “**Material science**” undergraduate Student (2st year) 2008– Present
- 7- TMG 208 “**Welding**” undergraduate Student (2st year) 2008– 2010
- 8- MDPN141 “**Metal Cutting Processes**” undergraduate Student Bachelor Programs - Credit Hours Systems
- 9- MDPN131 “**Strength and Testing of Materials**” undergraduate Student Bachelor Programs - Credit Hours Systems
- 10- MDPN002 “**Fundamentals of Manufacturing Engineering**” undergraduate Student Bachelor Programs - Credit Hours Systems

Projects participated in:

1. **China Nuclear FQ and FJS (1E) (USA/China)**
 - Online and class training for 1E activities for a month.
 - Sharing in creating software design documents (SDD) for FQ channel IP.

- Creating FQ & FJS Delta report
 - Creating FQ & Hainan Delta report
 - Creating software design documents (SDD) for FQ Train B Server
 - FQ Train B Server SRS and SDD peer reviews
 - Modifying FQ Train B Server PT2 logic as per modifications done in the SDD.
 - FJS TRAIN A SRS peer reviews
 - Creating FJS TRAIN A SDD
- 2. Onshore P2P (Remote)**
- logic Diagrams implementation in FBD, Peer-To-Peer and database processing
- 3. Styrenics (Alexandria)**
- Responsible for all Engineering, database processing, Hardware Interfacing and communications between Triconex and DCS.
 - Loop check and verification and logic test
- 4. Baltim Compression FAT (suez)**
- ESD & FGS Loop check and verification, logic test and hardware test.
- 5. Triconex Training (Abu Dhabi)**
- Hardware training for supplied Tricon Hardware
 - Basic TS1131 training
- 6. KCO (UK)**
- Engineering & DB handling
 - Implementation of new C&E diagrams in the F&G programs
 - Peer to Peer handling
- 7. SGP SRU ESD/DCS IFAT (KSA)**
- Loop check and verification, logic test and communication with DCS
- 8. PETROKEMYA OLEFINS II (KSA)**
- Upgrade from ABB system, Honeywell system and Interlock relays system to Tristation 1131

- Responsible for all Engineering, database processing, Hardware Interfacing and communications between Triconex and other systems

9. Internal Training Courses (Cairo)

- (Course 8902 & 8903)
- Basic Graduate Course
- (Invensys Algeria)(Triconex Part)

10. Yanbu CCS Training (KSA)

- Hardware training for supplied Tricon Hardware
- Basic TS1131 training
- Basic HMI (Wonderware) training
- Steam Turbine Sequencing/ Governor Control Modules Training
- Anti-Surge Control Modules Training

11. Khuris WIPS – Aindar (KSA)

- pump replacement, TCS logic modifications in Triconex to accommodate new pumps replacement, the modifications applied to 3 different Triconex versions; each turbine of different version (DOS-based MSW, TS1131 Windows NT and XP)

12. Khurais Wips (KSA)

- Logic Diagrams implementation in FBD and database processing.

13. Qatar Gas (Remote)

- Migration from ITR01 PSS to Triconex, Upgrade from ABB system to Tristation 1131
- Responsible for all Engineering and Hardware Interfacing and communications between Triconex and other systems.

14. KRPC (Kaduna Refinery and Petrochemical) (Remote)

- Responsible for logic implementation using FBD and ST, applying control narratives.
- Processing, Hardware configuration, and HMI implementation using Wonderware Intouch.

15. QAFCO Qatar Fertilizers Company (Remote)

- Upgrade from Old MSW to TS1131

16. Turbine GT9 Upgrade (Alexandria)

- Egyptian petrochemicals company
- Responsible for site survey and I/O count

Technical Courses:

- Triconex Certificate from Triconex University Triconex Technical
- TriStation Programming
- Diagnostic monitoring
- SOE configuration
- MSW
- IPS Facilitator Certification Program
- SVDU

Technical Skills:

- AutoCAD
- MATLAB
- PLC
- UGS
- DB Processing
 - Excel formulas
 - Excel pivot tables
 - Excel VBA

Personal data:

- Date of birth: 07/01/1985
- Nationality: Egyptian
- Egypt Cell phone: +2 (010)-523-4778
- Marital status: Married
- E-mail: Sherif.aly@outlook.com