

103455-ELE-2CDES-E-2012
Senior Application Design Engineer

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 9 years hands-on experience working in technical office and control / protection design.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 16/08/1990
Gender : Male
Residence : Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Helwan University, 2012

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD
: Matlab
: EPLAN
: ZUKEN E3

TRAINING COURSES AND CERTIFICATIONS

: Project Management Certificate, Issuing Authority: Project Management Institute - License Credential ID: 3018219 (Jun. 2021).
: Internships:

- Egypt Air at Centers, aircraft maintenance and renewal (hangar 8000 hangar 7000, hangar 6000) (one month) (Aug. 2010).
- Company Egyptian Iron and Steel (one month) (Aug. 2010).
- El-Sweidy Electric (Abu Qir, Alexandria) (one week) (Aug. 2010).
- Factory 98 Military Production (one month) (Jun. 2009).
- Electrical Workshops - Faculty of Engineering - Helwan University (one month) (Jun. 2009).

: Courses:

- Wonderware intouch software.
- Wonderware system platform.
- Basic of PLC (Schneider Electric Certificate) by Compusystem.

- Electrical Power Systems Distribution.
 - PLC (Programming by Ladder Diagram) Siemens.
 - SCADA visio citect Schneider by Compusystem.
 - Rockwell Automation Partner training in KSA.
 - FOXBORO DCS Invensys (in progress) by Compusystem in AUC.
 - REVIT MEP (in progress) by Compusystem.
 - ICDL (International Computer Driving License).
- : Human Development Sessions:
- Time management.
 - Strategic planning.
 - Leadership mystery.
 - Communication skills.
- : Sessions attended:
- ABB seminar, Helwan University.
 - Leadership Skills – dimension organization, Faculty of Engineering, Helwan University.
 - PLC – Intensive course, Egyptian Iron and Steel Company (one week).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Sep. 2020 till now

Employer : Schneider Electric Co. (Egypt)

Job title : Senior Application Design Engineer

Job Description :

- Contributing as a group leader for the technical engineering team in 4DCC project.
- Preparation of design documents review Base Design Schematics of Protection Panels.
- Prepare and review Detail Design Schematics of Protection Panels.
- Discussions with clients, obtaining approval for submitted drawings, etc.
- Design of Main/operational Single Line Diagrams.
- Design of Protection & interlocking Logic Diagrams.
- Design of CT/VT Sizing Calculations.
- Design of ATS Logic.

Dates : From Sep. 2018 till Aug. 2020

Employer : SCADA Innovations

Job title : Senior Control & Protection Design Engineer

Job Description :

Design schematic drawings by using “Zuken-E3” (Control & Protection panels) for:

- (500/220KV), (220/66KV) and (66/22/11KV) Transformer.
- (500KV, 220KV and 66KV) Feeder.
- (220KV, 66KV) Bus Coupler.
- 500KV, 220KV and 66KV Busbar & Breaker Failure Protection.
- (500/220KV), (220/66KV) and (66/22/11KV) Transformer AVR.

Dates : From Jun. 2016 till Aug. 2018

Employer : Jawda Engineering Consultants

Job title : Senior Control & Protection Design Engineer

Job Description :

- Preparation of design documents review Base Design Schematics of Protection Panels.
- Prepare and review Detail Design Schematics of Protection Panels.
- Discussions with clients, obtaining approval for submitted drawings, etc.
- Coordinate with other project functions.
- Review Technical Offers of Protection.
- Design of Main/operational Single Line Diagrams.
- Design of Protection & interlocking Logic Diagrams.
- Design of CT/VT Sizing Calculations.
- Design of HV & MV Cable Sizing Calculations.
- Design of AC SLD, SST Sizing Calculations, and LV Breaker Sizing Calculations.
- Design of DC SLD, Battery & Battery Charger Sizing, and LV Breaker Sizing Calculations.
- Interfacing with primary equipment, Cable Schedules and termination charts.

Dates : From Jan. 2013 till May 2016

Employer : Philipco for Electromechanical Engineering

Job title : Technical Office Engineer

Job Description :

- Working knowledge of electric power systems 11KV, 66KV and 220KV.
- Working knowledge of Substations construction, testing and commissioning with rated voltages up to 220KV.
- Working knowledge of Power transformers construction with rated power up to 175 MVA.
- Well known about single Line Diagram, Cables Raceway, cable schedule and termination, AC Package, DC Package.
- Design of Main/operational Single Line Diagrams.
- Design of Protection & interlocking Logic Diagrams.
- Design of AC SLD, SST Sizing Calculations, and LV Breaker Sizing Calculations.
- Design of DC SLD, Battery & Battery Charger Sizing, and LV Breaker Sizing Calculations.
- Interfacing with primary equipment, Cable Schedules and termination charts.

Projects:

- 4DCC (DP & SS) (DP & SS Engineering Group Leader).
- AIN DAR - ARAMCO - AL-GIHAZ - 34.5KV GIS (Senior Control & Protection Design Engineer).
- NFE E House Projects 33KV GIS SWBD (Senior Control & Protection Design Engineer).
- West Querna 6.6KV-400V (Senior Control & Protection Design Engineer).
- EAST SOHAG SS 500/220/66/22KV (Senior Control & Protection Design Engineer).
- NAGA HAMADI SS 500/220/66/11KV (Senior Control & Protection Design Engineer).
- RAS GHAREB-S4 (500/220KV) (Senior Control & Protection Design Engineer).

- AL-THAR, YADAMAH, RAHWA & AL-SODAH (33/13.8KV) (Senior Control & Protection Design Engineer).
- KING KHALID HOSPITAL-2 (110/13.8KV) (Senior Control & Protection Design Engineer).
- EL-HADABA-2 substations (220/66/11KV) (Senior Control & Protection Design Engineer).