

102423-ELE-2PTa-E-2017
Electrical Power, SAS & Protection Engineer

Holds a B. Sc. in Electrical Power & Control Engineering and has over 4 years experience working as Electrical Power, SAS, Protection and Automation Engineer.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 22/01/1994
Gender : Male
Marital Status : Single
Residence : Nasr City, Cairo

EDUCATION

: B. Sc. in Electrical Power & Control Engineering, Arab Academy for Science and Technology, 2017

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Java (OOP)
: AutoCAD
: PCM
: Enervista
: Arcteq
: Protecta
: Sprecher (HW Configuration – Designer – Mapping).
: IEC 101/104/61850 protocols.
: Internship at Lafarge Cement (Sep. – Dec. 2016) as Electrical Engineer:

- Recognized a thorough understanding of the 5 various production plant lines for the industry cement process.
- Introduced to the HMI department and the control system of the plant.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Apr. 2023 till now
Employer : Controware, Cairo
Job title : Electrical Power, SAS & Protection Engineer
Job Description :

- Remote control and monitoring, substation level communication and interface with SCADA.
- Implementation of IEC 61850 client-server communications, GOOSE messaging, fiber optic networks.
- Ensure the implementation of the projects according to the design for quality standards.
- Manage the Site testing and commissioning.
- Review and confirm electrical circuits, power system analysis and schematics drawings.
- Provide support across different departments for best practices in a data-driven environment.

Dates : From Jan. 2019 till Aug. 2022
Employer : SCADA Innovations, Cairo
Job title : Automation Engineer
Job Description :

- Developed and executed SAS for numerous substations (Hardware configuration - Database - Mapping of different IEDs - Integration with SCADA/RCC/NCC).
- Configured different control and protection IEDs' logic & communication (ABB, Sprecher, GE, Arcteq and Protecta) and metering devices.
- Integrated SAS system according to the System architecture using different protocols (IEC 61850, IEC 104, IEC 101, Modbus).
- Conducted Testing and Commissioning for SAS (Cubicles functional testing, control and protection, I/Os signaling, and SCADA (V460-MYSAS)).
- Manage the Site testing and commissioning.
- Guided and trained team members through the process of configuring, implementing and commissioning in automation.

List of Projects completed:

- Al Motawereen 66/22KV S/S – Al Sadat, Egypt.
- Colangil (GIS) 66/11KV S/S – Al Mansorah, Egypt.
- S4 (GIS) 500/220/33KV S/S – Ras Gharib, Egypt.
- Naga Hamadi 500/220/66/11 (GIS) S/S – Naga Hamadi, Egypt.
- Veolia Energy Waste Plant – Jubail, KSA.