

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 10 years hands-on experience working in design, technical office and commissioning.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 07/07/1984
Gender : Male
Marital Status : Married
Residence : Giza, Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Cairo University, 2007

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: The Egyptian Steel & Iron Company, Egypt: Trainee Engineer during college years (summer 2005 & 2006).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Apr. 2016 till now
Employer : Air Liquide Egypt (ALE), Egypt, Medical & Industrial Gases Production
Projects :

- CO2 production unit, SIDPEC for petrochemicals plant, Alex, Egypt (2016/2017)
- ASU SIGMA unit, Jushi for fiber glass plant, Sokhana, Egypt (2017)
- ASU SIGMA unit, Egyptian Steel plant, Sokhana, Egypt (2017)

Job title : Senior Project & Electrical Engineer (Eng. & Large Projects Dept.)
Job Description :

- Follow up air separation unit ASU large projects owned by Air Liquide including full scope of civil, mechanical & electrical works.
- Provide electrical basic engineering including main SLD, layout, specifications & BOQ.
- Prepare tender package for consultant company & evaluate all offers

- then select the best consultant company offer technically & commercial.
- Follow up the consultant company until providing the construction drawings revision including detailed drawings, BOQ, specifications & vendor list.
- Prepare tender package for contractors companies & evaluate all offers then select the best offers technically & commercial.
- Prepare BOQ & purchase orders for the main equipments supply direct by Air Liquide.
- Attend inspections, meetings & coordination's.
- Follow up (management/technically/admin) the project parties on site until start-up the unit then handover to operation team.
- Electrical Technical Support during engineering, constructions, commissioning & start-up.

Dates	:	From May 2008 till Apr. 2016
Employer	:	Asec Automation Company ASA, Egypt, Industrial Electrical Automation
Projects	:	<ul style="list-style-type: none"> • Engineering, Installation and Commissioning Projects: <ul style="list-style-type: none"> - Sinai Cement Company line 2, Commissioning on site, Egypt (2008) - Sinai White Cement Company Line 2, Commissioning on site, Egypt (2008) - Lafarge Fuhes Cement Company upgrading, Commissioning on site, Jordon (2009) - Beni Suef TITAN Cement Factory, AREVA France MV Panels 12KV, 35 Cells, Egypt (2009) - El Takamol Cement Factory, Schneider France MV Panels 12KV, 59 cells, Sudan (2009) - El Shamal Cement Factory Mass Global, Schneider France MV Panels 12KV, 67 cells, Sudan (2009) - Sinai Cement Company line 2, New cements mill4, Egypt (2010) - Wadi El Nile Cement Company, ABB MV panels 12KV UnigearZS1 REF542plus, 48cells, Egypt (2010) - South Valley Cement Company SVCC, Siemens MV Panels Siprotec, 12 cells, Egypt (2011) - BMIC Cement Factory, Schneider Turkey MV Panels 6.6KV, 63 Cells, Egypt (2011) - Mynah Cement Factory, Schneider Turkey MV Panels 12KV, 70 Cells, Substation 66/11KV Egypt (2012) - 6 October Power Plant 66KV/600MW, HV/MV Panels, Power Generator, Egypt (2012) - Amreyah Cimpor Cement Factory (AMCC), Egypt ABB IT MV Panels 7.2KV, 60 cells, line 1 & 2 MV panels upgrading, Alex Egypt (2011 to 2014) - A lot of alternative fuel for cement factories, Philippines (2013/2014) - APO Cement Factory CEMEX, General Electric MV Panels, Philippines (2014) - A lot of coal mills for cement factories in Egypt, Titan, ITK, ITS, Sinai, MBCC...etc., Egypt (2014/2015) - National Cement Factory NCC upgrading line 3 & 4, Schneider Turkey MV panels, Control and protection retrofitting ALSTHOM and BBC panels, Egypt (2014/2015)

- DC battery chargers 40Ah up to 110Ah, output 220-110VDC
- 2 units HV/LV 40/50MVA ONAN/ONAF Power transformers
- More than 50 units MV/LV up to 4.5 MVA transformers two and three windings
- More than 20 units Large MV motors up to 5.5MW with all protection schemes
- MV networks Short circuit calculation, load flow and relay setting calculation, ETAP software
- Familiar with software's using logic gates and able to learn more as automation background
- Turn key Projects follow up:
 - 12KV switchgears – Mynah Cement plant ANCC – Egypt
 - 12KV switchgears – Wadi El Nile Cement plant – Egypt
 - 12KV switchgears – BMIC Cement plant – Egypt
 - 7.2KV main station upgrading Amreyah inter Cement plant Lines 1, 2 and 3
 - 7.2KV many stations upgrading Ameryah inter Cement plant line 1, 2
- Factory Acceptance Tests:
 - 12KV Unigear ZS1 MV panels FAT attendance – ABB Egypt – Libyan Cement factory
 - 12KV MCset MV panels FAT attendance – Schneider Turkey – BMIC Cement factory
 - 12KV MCset MV panels FAT attendance – Schneider Turkey – Lafarge – Jordan
 - 12KV Unigear ZS1 MV panels FAT attendance – ABB Italy – Amreyah Cement factory
 - 7.2KV MCset MV panels FAT attendance – Schneider Egypt – Sinai Cement Factory
- Technical Meetings:
 - Asec automation, Lafarge Jordan, Schneider France, and Schneider turkey, Place: Turkey, Izmir
 - Asec automation, ABB France, ABB Italy, Cimpor Portugal, Place: ABB Dalmine, Italy
 - Asec automation, ABB France, ABB Italy, Cimpor Portugal, Place: Asec automation, Egypt

Job title : Senior Electrical Engineer

- Job Description** :
- Provide Engineering support to Quotation Department.
 - Provide Engineering support to project management.
 - Turn key Projects follow up
 - MV/HV Basic, detailed engineering, Specification, Datasheets, cables selection, follow suppliers until finish construction and Documents as built follow up.
 - MV/HV Prepare BOQ including all data, purchase requests and follow the procurement.
 - MV/HV Vendors communication (follow up and Engineering approvals).
 - Installation supervision, Commissioning and start-up of main MV/HV Single line diagram equipment's.
 - MV equipment's FAT attendance in factory country of origin.
 - Make commissioning and start-up to DC battery chargers, MV/LV transformers, MV motors and MV cables on site.
 - Make the full commissioning to MV/HV switchgears with standard

procedure.

- Very good experience about Protection Relays such as Sepam, Siprotec, REF542pluse, Micometc. and able to learn others.
- Familiar with International Electrical Standard such as ANSI, IEC and IEEE Standard.
- MV/HV electrical cable calculations, short circuit analyses, load flow using ETAP software.
- Low voltage equipment engineering, prepare data sheet, make purchase request and follow procurement.
- Design low voltage panels (MCC, ACC, PLC Panels & Capacitor Bank) and doing FAT for them at work shop.
- Companies dealt with them:
 - Client/owners: Sinai Cement, Ameryh Inter Cement, Titan Cement, Cemex Cement, others.
 - Consulting/owners: FLS, Lafarge, Polysius, FCB, Ansaldo, Pegesco, Alstom others.
 - Main Contractor: Orascom, Aresco, Energi, PEG, others.
 - Suppliers: ABB, Schneider, Siemens, Socomec, Rittal, Ansaldo, others.
- Training Courses & Certifications:
 - Jan. 2012: training course for Safety and occupation health, held in Mokatam Training Institute, Cairo, Egypt.
 - Mar. 2012: training course for Schneider MCset MV Switchgears, held in Asec Automation premise.
 - May 2012: training course for REF542Plus Operating Configuration, held in ABB S.p.a. factory in Dalmine – ABB Italy.

Dates : From Dec. 2007 till May 2008
Employer : Construction Development Center CDC, Egypt, Consulting Company
Job title : Design Electrical Engineer
Job Description : Sharing of Design power generation plant, power distribution network (M.V & L.V), Lighting, HVAC loads, grounding and light current systems according to internationals codes.

Field of experience :

- Electrical Engineer with a lot of experience in electrical engineering, manufacture, construction, commissioning and start-up for industrial, power plants & substations projects.
- Current job (since Apr. 2016) at Air Liquide Company as Senior Project Engineer, responsible for follow up air separation unit projects owned by company & Technical Electrical Engineer support all parties in company.
- Started as Design Engineer at consulting company (CDC) for 6 months sharing in design power distribution network (M.V & L.V), lighting, HVAC loads, grounding and light current systems according to internationals codes.
- Transferred to Asec Automation Company (ASA) (from May 2008 until Apr. 2016) as Technical Office Electrical Engineer, responsible for industrial low/medium voltage engineering, BOQ and follow suppliers in office, then commissioning and start-up at site for many industrial cement projects, power plants and substations in Egypt and abroad.
- My specific experience in HV/MV Switchgears engineering, commissioning and start-up including protection relays, power cables

and selectivity study for more than 5 years in several panels brands such as ABB, Schneider, Siemens, Areva, Alstom, GEetc.

- Leader (to around 10 persons), Hard worker, Organizer, Problem Solver, Supportive.