

100666-CSX-245CDMOST-E-2010
SAS Commissioning Engineer

Holds B. Sc. and M. Sc. in Electrical Power & Machines Engineering and has about 7 years hands-on experience working in automation field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 23/06/1988
Gender : Male
Marital Status : Single
Residence : Giza, Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Ain Shams University, 2010
: M. Sc. in Electrical Power & Machines Engineering, Ain Shams University, 2014

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Access, Power Point), Internet
: Matlab
: AutoCAD
: Programming C & Assembly language
: Programming & Simulink
: Solid Works
: Microcontroller ATMEL & PIC
: Proteus Professional
: MS Visio
: Arduino
: Simulation software

TRAINING COURSES AND CERTIFICATIONS

: Programmable Logic Control (PLC) – Siemens S7-200/300 at GTS Training Center (Mar. 2013):

- Overview of PLC Siemens systems.

- Step7-200 programming and configuration.
- Step7-300 programming and configuration.
- : Safety Instrumentation system (SIS) – Prosafe RS YokoGawa at GTS Training Center (Jul. 2012):
 - Hardware & Software System Configuration.
 - Engineering & Programming of system.
 - Final Project by cause and effect.
- : Distributed Control System (DCS) – Centum VP YokoGawa at GTS Training Center (Jun. 2012):
 - Hardware & Software System Configuration.
 - Engineering & Programming of system.
 - Final Project.
- : Instrumentation & Process Control Course at GTS Training Center (May 2012):
 - Process Control.
 - Transmitters & Sensors (Pressure, Level, Temperature, Flow).
 - Control Valve.
- : Oil & Gas Field Safety Courses at RANDYSMITH Academy – from EDC (Apr. 2011):
 - Induction course in Oil & Gas field.
 - Rigging & Lifting.
 - Working at Height.
 - H2S Gas.
 - STOP for Employees (Safety Training Observation Program).
- : Electrical Engineering Courses at RANDYSMITH Academy – from EDC (Mar. 2011):
 - AC Generators.
 - Electric Drives (SCR – VFD).
- : Project Management at Schneider Electric Egypt – MECA Academy (May 2009).
- : Micro-control "AVR Atmel", Cairo Uni. – High Tech. Center (Aug. 2008).
- : ICDL course at Ministry of Communication and Information Technology, 21 days / 63 hrs (from Nov. 2007 till Jun. 2008).
- : Matlab Program Course.
- : Maintained of Computer Device.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From May 2015 till now
- Employer** : ABB Automation Company (Saudi Arabia)
- Projects** :
 - WOASLIAH SS 110/13.8KV – WESTERN REGION – KSA (from Jan. 2016 till now): Complete SAS commissioning activity is done.
 - RANYH SS 110/33/13.8KV – WESTERN REGION – KSA (from Jun. 2016 till Dec. 2016): Complete SAS commissioning activity is done.
 - UMLUJ SS 380/110/33/13.8KV – WESTERN REGION – KSA (from Dec. 2015 till May 2016): Complete SAS commissioning activity is done.
 - THUWAL SS 110/13.8KV – WESTERN REGION – KSA (from Jul. 2015 till Nov. 2015): Complete SAS commissioning activity is done.
- Job title** : SAS Commissioning Engineer

Job Description :

- Setting up SAS system at site.
- Full Engineering and design on the SAS and the GW level.
- Integration for ABB IEDs, SEL IEDs, MiCOM IEDs with ABB system.
- Carry out system tests according to approved test forms and ITPs
- Carry out system modification, alterations, changes for customer requirement and comments.
- Carry out closed loop tests from substation to SCADA.
- Carry out IED configuration changes in case of changes required in the IED configuration.
- Follow site test schedules and coordinate with main contractor and client.

Dates : From Jan. 2015 till Apr. 2015

Employer : FMT STEEL

Projects :

- AJE GROUP - Production Line, BIG, Lagos, Nigeria (Mar./Apr. 2015): Installation, commissioning and start-up for Syrup room and CIP ADUA system based on Siemens PLC S7-300, SCADA WinCC with AS-i Interface and Profibus Networks.
- AJE GROUP - Production Line, BIG, 6th October City, Egypt (Jan./Feb. 2015): Installation, commissioning and start-up for Syrup room and CIP ADUA system based on Siemens PLC S7-300, SCADA WinCC with AS-i Interface and Profibus Networks.

Job title : Senior Automation System Engineer

Job Description :

- Designing, Installation, Commissioning & Start-up.
- Engineering solutions for technical & commercial proposals.

Dates : From Jun. 2012 till Aug. 2014

Employer : Global Technical Service (GTS)

Projects :

- Coca-Cola Production Line, BRANIGER, Niamey, Niger: Electrical installations, commissioning and start-up for ADUA SYRUP system.
- Coca-Cola Production Line, Brasserie BB, Lome, Togo (Jul. 2014): Mechanical and electrical commissioning and start-up for ADUA SYRUP system.
- SAFI Factory, Niamey, Niger (Jun. 2014): Mechanical and electrical commissioning and start-up for SYRUP room and CIP ADUA system based on SIEMENS PLC.
- PEPSICO Factory, 6th October City, Egypt (Apr./May 2014): Installation, commissioning and start-up for Syrup room and CIP ADUA system based on Siemens PLC S7-300, SCADA WinCC with AS-i Interface and Profibus Networks.
- Amal Steam Generation - phase 1.B, Marmul, Oman (PDO) (Mar. 2014): SAT, commissioning and start-up for Yokogawa DCS & SIS.
- SEGAS Company, Damietta, Egypt (from Oct. 2013 till Jan. 2014): Safety instrument system expansion and upgrading Yokogawa Prosafe PLC.
- Solvay Chemicals Company, Alexandria, Egypt (from May till Aug. 2013): Engineering designing, FAT, SAT, commissioning and start-up for Yokogawa DCS centum VP.
- SNDC, Oman (PDO) (Jan. 2013): Commissioning and start-up for UCP system (GE compressor) controlled by Yokogawa Prosafe RS.

- Burullus Gas Company, Alexandria, Egypt (Oct./Nov. 2012): Technical Support and modifications for Yokogawa DCS & SIS.
 - Amal Steam Generation - phase 1.A, Marmul, Oman (PDO) (Sep. 2012): SAT, commissioning and start-up for Yokogawa DCS & SIS.
- Job title** : Automation System Engineer
- Job Description** :
 - Designing, Installation, Commissioning & Start-up.
 - Engineering solutions for technical & commercial proposals.
 - GTS is a system integrator for Schneider Electric, Yokogawa & Invensys.
- Dates** : From Nov. 2011 till May 2012
- Employer** : Egyptian Drilling Company (EDC) – Digital Control Section (Head Office)
- Job title** : Instrumentation & System Engineer
- Job Description** : Installation, troubleshooting, maintenance & technical support in instrumentation especially at Rig Sense and Block control.
- Dates** : From Dec. 2010 till Oct. 2011
- Employer** : Egyptian Drilling Company (EDC)
- Project** : Oil & Gas field (Rig 54)
- Job title** : Electrical Engineer
- Job Description** : Operation, troubleshooting & maintenance of electrical devices & equipment.

Teaching Experience:

- Instructor – GTS Training Center, Global Technical Service company, Cairo, EGYPT (from Jan. 2012 till now):
 - Instrumentation & Process Control Course (32 hrs).
 - Distributed Control System (DCS), Yokogawa Centum VP (80 hrs).
 - Safety Instrumentation System (SIS), Yokogawa Prosafe RS (40 hrs).
 - Programmable Logic Control (PLC) – Siemens S7-200/300 (40 hrs).
- Instructor – Brooklyn Academy, Cairo, EGYPT (from Mar. 2014 till now):
 - Developed course curriculum, materials, instructed and conducted student assessments for Robotics course (36 hrs).

Publications:

- Ramy M. Hossam, Gamal M. Hashem, and Mostafa I. Marei, "Optimized Harmonic Elimination for Cascaded Multilevel Inverter", Paper presented at Power Engineering Conference (UPEC), 2013 48th International Universities, Dublin, Ireland, 2-3 September 2013, and published in IEEE, 10.1109/UPEC.2013.6714984.
- Ramy M. Hossam and Gamal M. Hashem, "Selective Harmonic Elimination PWM for Cascaded Multilevel Inverter Based Genetic Algorithm and Newton Raphson: A Comparison Study", Paper published in International Review on Modelling and Simulations (I.RE.MO.S.), Vol. 6, n. 5 pp. 1393, Naples, Italy October 2013.
- Ramy M. Hossam and Gamal M. Hashem, "Complete Solutions for

Stepped SHEPWM Technique Applied to Multilevel Inverter", 16th International Middle East Power Systems Conference (MEPCON'14), 23-25 December 2014, Cairo, Egypt.