

Holds a B. Sc. in Industrial Electronics & Control Engineering and has about 13 years hands-on experience working in I&C and operation.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 10/05/1983
Gender : Male
Marital Status : Married
Residence : Mahmoudia

EDUCATION

: B. Sc. in Industrial Electronics & Control Engineering, Menoufia University, 2005

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: SCADA "Supervisory Control and Data Acquisition".
: PLC "Programmable Logic Controller".
: MICRO CONTROLLER.
: DCS "Distributed Control System".
: INDUSTRIAL ELECTRONICS.
: GE control system MKVIe maintenance training course at GE Training Center, Bahrain.
: Operation and maintenance for FARAME 5GE gas turbines at Mahmoudia Power Station, Egypt.
: ABB PGP (power generation portal) operation training course, in Mahmoudia - Egypt.
: S330 S+ maintenance and troubleshooting ABB Training Center at Mahmoudia - Egypt.
: Maintenance Basics, Erlangen Siemens Training Center, Germany.
: Siemens Gas turbine 8000H at Siemens training Center Berlin, Germany.

- : Siemens T3000 control system at Siemens Training Center Karlsruhe, Germany.
- : Siemens Generator SGen5-2000H, Muelheim, Siemens Training Center, Germany.
- : GT-/ST-Controller, Fuerth, Siemens Training Center, Germany.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Oct. 2016 till now
- Project** : Burullus Power Plant 4800MW
- Job title** : I&C Commissioning Engineer
- Job Description** : An important thing and I'm proud of it, made a fast integration with Siemens commissioning guys after I came from German training and I perform with them all the following activities:
- Gas, steam turbines and HRSG instruments cold and hot loop check.
 - Function test to all GT and ST system like MBV, MBX, MKW, MBL, MAV, MAN...
 - Install and commissioning turbine supervisory instrument like vibration sensor, speed sensors, axial position...
 - Commissioning Auma valves, Pneumatic valves.
 - Coupling for hydraulic valves of MAN system adjust BALUF feedbacks.
 - Perform CYE. SGY fire system commissioning, troubleshooting, routine maintenance.
 - Commissioning balance of plant.
 - Commissioning for gas compressors EKH, nitrogen system EKX.
 - Make calibration for Gas Chromatograph, Sulphur analyzer, Dew point analyzer.
 - Make a schedule for preventive maintenance for GT's after RTR, Gas compressors.
 - Make preventive maintenance to CEMES system CFE.

- Dates** : From 2012 till 2016
- Employer** : Middle Delta Electricity Production Company
- Project** : Mahmoudia Power Station Combined Cycle
- Job title** : I&C Engineer
- Job Description** :
- Troubleshoot GE Speedtronic MKII for FRAME5 GE gas turbine; calibrate GE Speedtronic mark II cards.
 - Troubleshoot GE Speedtronic MKVIe, tracing alarms, fixing the problems, changing boards and I/O packs, calibrate servo valves and lvd't's.
 - Troubleshoot GE Speedtronic markV for GE steam turbine.
 - BAILY DCS for HRSG (heat recovery steam generation) and steam turbine auxiliary.
 - I&C Commissioning and Start-up Engineer at fast track Mahmoudia Project 2x170 Ansaldo gas turbine AE94.2.
 - Troubleshoot ABB Symphony Harmony S+ DCS for Ansaldo Gas Turbine.
 - PLC Siemens step5, 7 for online tube cleaning system, debris filter and water treatment.

Dates : From Mar. 2008 till 2012
Employer : Middle Delta Electricity Production Company
Project : Mahmoudia Power Station Combined Cycle
Job title : Senior Operation Engineer
Job Description :

- Responsible for the efficient operation of the power plant and its auxiliaries equipment.
- Starting the station operating process.
- Following up the operating process.
- Supervising the operating rates during the processing.
- Providing safe operation for the station and its equipment's (Motors, Pumps and water pipes).
- Field experience:
 - Achieve one GE steam turbine major inspection 58MW.
 - Achieve combined stop control valve major for steam turbine.
 - Achieve four GE gas turbine frame 5 major inspection and two hot gas path.
 - Successfully upgrading INFI 90 cabinet power supply from AC MODULAR POWER SUPPLY TO ABB MODULAR POWER SUPPLY MPS III.
 - Upgrading 4 GE gas turbines frame 5 from mark II to mark Vie, working with GE TA's and I was responsible for performing all cold loop and hot loop checks for LVDT'S, Servo valves, Pressure switches, Temperature switches, Transmitters, Transducer, Seismic vibration sensors, Limit switches, Magnetic pickup speed sensor, Fire system, Cabinet power up. In the first gas turbine and it successfully started. In the second, third and fourth gas turbine I was responsible for disconnect J8 which contains most of 125vdc devices and put it in a terminal strip in additional to the previous job.
 - I&C Commissioning and Start-up Engineer at Mahmoudia fast track project 2x170 Ansaldo gas turbine AE94.2, calibrating all field instruments, cold loop checks, hot loop checks, functional test for all filed instruments.
 - Installing and functional test for Fire Fighting system SILVANI with the vendor.
 - Good dealing with HART communicator 475, Multifunction and DRUCK DPI 610.
 - Excellent knowledge of KKS system.

Dates : From May 2007 till Feb. 2008
Employer : International Company for Agro-Industrial Projects (BEYTI)
Job title : Automation Engineer
Job Description :

- Maintenance of product line machines such as (Aspofill, Compibloc).
- SCADA system.
- PLC Siemens technology (S7.200, S7.300, S7.400).
- Profibus and ASI bus.
- Inverter (SIEMENS, DANFOS, SEW, ABB).
- Sensors and Transmitters.
- Adjustment of Servo motors.

- Dates** : From Oct. 2005 till May 2007
- Employer** : Alex Converta for paper industries – Handy
- Job title** : Instrumentation Engineer
- Job Description** :
- Troubleshoot DC MOTORS.
 - SCADA system.
 - PLC ABB AC 800.
 - Inverter (SIEMENS, DANFOS, SEW, ABB).
 - Good dealing with transmitters and Hart communicator 475.
- Field of experience** :
- Gained the ability to work as a Project, Start-up and Commissioning Engineer.
 - Working as Field Engineer during start-up, commissioning period.
 - Good experience of troubleshooting process problems during the operation of the plant.
 - Technical ability in the field and in the office.
 - Adaptable, with ability to have valuable input to many aspects of a project.