

Holds a B. Sc. in Mechatronics Engineering and has about 5 years hands-on experience in maintenance of CNC machines and automation field in electrical and water segment.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/09/1990
Gender : Male
Marital Status : Married
Residence : Cairo

EDUCATION

: B. Sc. in Mechatronics Engineering, Helwan University, 2012

LANGUAGES

Arabic : Native Language
English : Very Good
German : Basics

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: MS Project
: AutoCAD 2D (2013)
: Matlab 2010

TRAINING COURSES AND CERTIFICATIONS

- : Training course at DMG MORI in France (Jun. 2014):
 - Heidenhain control:
 - Network configuration for Heidenhain ITNC 620 and ITNC 530.
 - NC and PLC back up & restore.
 - Setup of measuring system after replacement.
 - Familiarization with the Pnozmulti.
 - Electrical troubleshooting.
 - Siemens Control:
 - Achievement of backups (NC, PLC, DP, HMI).
 - Achievement of NC and PLC Reset.
 - Achievement of restore backup.
 - Deactivating a rotary and linear axis.
 - Deactivation of a system of direct measurement.

- Electrical troubleshooting.
- : Training course at KUNTH Co. in Germany by Mulirolla (from Oct. till Dec. 2013):
 - Start-up and set up of machine tools.
 - Function test.
 - Electric cabinet assembly according to electric wiring diagram.
 - Electric installation of control panels and components.
 - Reading and modifying electric diagrams.
 - Fault diagnostics and troubleshooting of electrical installations.
- : Hydraulic systems basic industrial application (certified by Jeledcom).
- : CNC programming level 1 & 2 (certified by ITC).
- : C++ (certified by Jeledcom).
- : Mikro C (certified by Jeledcom).
- : Summer trainings at:
 - Faculty of Engineering (Turning Workshop - Milling Workshop - Casting Workshop - Forging Workshop - Welding Workshop).
 - Arab Organization for Industrialization (AOI).
 - South Cairo Power Plant.
 - Presentation & Marketing (MIE training).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Mar. 2015 till now
- Employer** : Engineering Systems Technology (Systech), Cairo
- Job title** : Project Team Leader
- Job Description** :
- Leded the periodic maintenance of the electrical substations' PMCS (Test & Troubleshooting) at Hamad International Airport under the PM supervision (Doha - Qatar) (3/2015 – 6/2015).
 - Leded the commissioning (PLC Programming & Hardware) of the emergency switchgears' Modification at Hamad International Airport under the PM supervision (Doha - Qatar) (7/2015 – 11/2015).
 - Leded 6th Oct Intake and Booster pump station and Valve chambers project under the PM supervision (1/2016 – 12/2016), as following:
 - Factory Acceptance Test & Site Acceptance Test.
 - Modify the electrical wiring diagrams according to as-built.
 - HMI design modification (Status, orders, alarms & animated Graphic) for the controlled equipment (Pumps, regulated and motorized valves, instrumentations ...) and connect it with the PLC program.
 - Electrical troubleshooting of Intake & Booster electrical control Panels (PLC quantum Remote I/Os connections with the heads, rewiring the analog connections connected to the duplicators and end to the PLC analog input and output modules, classic control troubleshooting for the controlled equipment in status and orders,...).
 - PLC program (Analog output DFB according to the module configuration and the controlled analog equipment, Digital inputs DFB to collect the inputs from the telefasts and do a redundancy incase defective of PLC module, motorized and regular valve operation DFBs, ...).

- Member of Abu-Dhabi Airport Project team (1/2017 – 07/2017):
 - Reading the single line diagrams and creating the Hardware interconnections of the DCONCS' switchgears and SMDBs.
 - Creating of communication interconnection of the installed measurements' devices on the electrical circuit breakers.
 - Participating in Creating of the Mapping sheets for the DCONCs.
- Project Team Leader of Sohag water treatment station (08/2017 – Present):
 - Manage the project and distribute tasks on the team according to the knowledge and experience.
 - Panel drawings modifications for (Filtration, chemical, chlorination & treated) areas.
 - FAT implementation for the electrical control panels.
 - Revision of P&ID with I/O list.
 - Creating mapping sheet according to the philosophy.
 - PLC programming implementation using Ladder & ST languages according to the philosophy.
 - Manage weekly meetings to evaluate, raise the efficiency of the team and realize the importance of the tasks.
 - Organize periodic internal sections to increase the technical experience of the team.

Dates : From Mar. 2014 till Mar. 2015
Employer : DMG MORI EGYPT, Cairo
Job title : Service Engineer
Job Description :

- Electrical troubleshooting for DMG Mori CNC machines (DMC1035V MC 420 & PNOZ m1p troubleshoot, CTX Alpha500 turret reference, DMC835V spindle clamping replacement, DMU50 spindle encoder replacement and reference, U.S 20 coolant problem, DMF 250 linear coolant leakage, ...).
- Contact with the customers and provide them with technical support to solve the problems with their machines.
- Sharing DMG technical experts in their visits and working with them.

Dates : From Mar. 2013 till Mar. 2014
Employer : Multirolla
Job title : Sales & After Sales Service Engineer
Job Description :

- Receipt the required specifications of a machine from the client and choose the compatible machine.
- Contact with KNUTH Company for any new clients and receipt the quotations and any inquires.
- Troubleshooting the electrical problems for the machines.

Dates : From Mar. 2013 till Mar. 2014
Employer : Raoulo Egypt
Job title : Mechatronics Engineer
Job Description :

- Working on and troubleshooting for problems in Machines (Saw machine – Milling machine with two heads – Undercut Machine).
- Mechanical Designer using AutoCAD.
- Site Engineer (mobile belt conveyor installing at LAFARGE).

Technical Skills:

- PLC Schneider Programming (TWIDO, M340, Premium, Quantum).
- HMI Vijeo Designer V 6.2.
- Visio 2016.
- PIC Microcontrollers.
- Electric Circuit design & PCB.