

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 10 years hands-on experience working mainly in maintenance field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/01/1989
Gender : Male
Marital Status : Married
Residence : Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Tanta University, 2011

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Access, Power Point), Internet
: AutoCAD
: Dialux
: Ecodial

TRAINING COURSES AND CERTIFICATIONS

: Intro P.L.C (15 hrs), Don Bosco (Alexandria) (Aug. 2010).
: Pneumatic & electro-pneumatic (30 hrs), Don Bosco (Alexandria) (Aug. 2010).
: AutoCAD (24 hrs), Logic Academy (Oct. 2010).
: ICDL (4 months) (Dec. 2009).
: Trainings at:

- I.T.C (3 weeks in Feb. 2010).
- Electricity Distribution Company (1 month in Jul. 2009).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Nov. 2020 till now
Employer : NPC (National Pipes Company) – Badr City

Job title : Electrical Maintenance Team Leader

Job Description :

- Direct and coordinate Maintenance activity carried out on plant lines and equipment.
- Leading a working team of engineers and technicians for applying Maintenance plan activates from preventive and corrective maintenance.
- Responsible for MRO (Maintenance, repair, overhaul).
- Spare parts database create and purchase missing items.
- Installing and commission for new machines, production lines.
- Study new machines contract from electrical point of view.
- Assist the production team to achieve the required target and reduce the nonconformance
- Cooperate RM (reliability maintenance) for cost reduction, line Follow improvement, predictive maintenance, updates for planned maintenance procedures and activities.
- Monitor and improve the KPI's system for the group.
- Installation and commissioning for AC and DC Drives (Inverters and Converters), that for Parker, Yaskawa, Invt, LS, Micro master.
- Dealing with PLC S7 300, Mitsubishi PLC
- Follow up of ISO adherence and preparing for internal and external audits.
- RCA (Root cause analysis) for major downtime and repeated problems.

Dates : From Jan. 2018 till Nov. 2020

Employer : BESHAY Steel – Sadat City

Job title : Automation & Electrical Maintenance Section Head

Job Description :

- Assist Department manager in all tasks based on department manger's instruction.
- Follow up of preventive maintenance activities, feedback, printing of new items and making necessary analysis of PM feedback information.
- Assist first shift engineer during trouble.
- Follow up of spare parts consumption and shifts tools availability and notify for any shortage.
- Analysis of monthly and annual downtime.
- Take periodical backups of PLC projects, HMI.
- Coordinate with substation crew for the monthly maintenance of the main power transformers.
- Follow up of ISO adherence and preparing for internal and external audits.
- Follow up for items under fabrication/repair in the workshop.
- Participating in training of new engineers and technicians.
- Reporting for the department manager regarding all the above mentioned activities.
- Installation and Commissioning:
 - Commissioning of high-power Transformers.
 - Installation and commissioning of PLC stations by installing complete hardware cards for the stations and making function test for the sensors and connections in the station area.
 - Installation and commissioning of PLC networks with Profibus.
 - Installation and commissioning of many different and advanced types of sensors.
 - Installation and commissioning for AC and DC Drives (Inverters and

Converters), that for ABB and SIEMENS drives.

- Participate in installation and commissioning Bundle & Billet scale systems with hardware and software modification
- Participate in EARM P_A automation revamping "S7 400 CPU" instated M7 400 CPU" and Revamping HMI from Factory link to WINCC.
- Programming PLC system (SIEMENS STEP7) with different languages (LADER and STL) FOR S7-300 and S7-400.
- Well knowledge about all SIEMENS PLC facilities.
- Supporting for the network between PLC stations and other System devices like (Remote I/O, Drives and Computers).
- Modifying the HMI software (Human Machine Interface) by editing alarms, create new alarms and modify the working pages.

- Dates** : From Aug. 2013 till Dec. 2017
- Employer** : BESHAY STEEL – Sadat City
- Job title** : Automation & Electrical Maintenance Engineer
- Job Description** :
- Working at Line revamping to Use "S7 400 CPU" instated of "M7 400 CPU" with Ukraine Automation group.
 - Revamping HMI from Factory link to WINCC after create all data Exchange between Factory link and PLC.
 - Design and Fabricate Control Panel from POQ to installation and testing using AutoCAD & Eplan Software.
 - Convert all line Classic control circuit to be controlled by PLC.
 - Installation and commissioning the new electronics equipment (Siemens step7, PLC's, Scada Systems, digital and analog sensors, motors control boards components, drives control systems ...etc.).
 - Installation and commissioning Bundle & Billet scale system with hardware and software modification.
 - Make maintenance for all electrical components in electrical panels for example: "control & signal cables in PLC panels, Motor control panels, MCC, etc...".
 - Solving the electrical problems by making a complete following the electrical drawing also by making any suitable modifications in PLC software "Simatic manager".
 - An understanding of PLC systems and fault finding also Working knowledge of SCADA systems.
 - Knowledge of different types of sensor, such as pressure and level control flow transmitters, temperature transmitters, proximity switches, limit switches, flow switches, thermocouples, etc....
 - Carrying out maintenance for different types of motors and drives such as Micro Master Drives, ABB drives.
 - Carrying out the technical support for Installation, commissioning and troubleshooting for all electrical components.
 - Creating a database for the equipment and materials in the stores.
 - Won Ideal Engineer 4th times as H/W & S/W modification done.

- Dates** : From Sep. 2011 till Aug. 2013
- Employer** : Target Technical Services, Cairo

- Project** : Oil-Water separation tank control system, DARA Petroleum Company (designed and implemented a system to dispose water from the oil-water tank separator and direct it to a sump then to a tank from which it will be taken to final disposal; using conventional control, interface level switches, automated valve assemble and motor starting mechanism)
- Job title** : Automation Engineer
- Job Description** : Designing and implementing of various automation systems using:
- Conventional control.
 - PLC (Siemens S7200 and LOGO!), Smart relays (Zelio).
 - AutoCAD 2009, 2011.