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Electrical Maintenance & Installations Manager

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 18 years' experience working in electrical and automation field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 03/01/1983
Gender : Male
Marital Status : Married
Residence : Tanta

EDUCATION

: B. Sc. In Electrical Power & Machines Engineering, Mansoura University, 2004

LANGUAGES

Arabic : Native Language
English : Good
French : Fair

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: MS Visio
: AutoCAD
: Photoshop
: Matlab
: Fortran
: Visual Basic

TRAINING COURSES AND CERTIFICATIONS

: Project Management Professional (PMP) Course, Moltaqa Aldareen Academy.
: Automatic control circuits (design – Installation – repair), Italian Silesian Institute.
: AutoCAD program, Egyptian Engineers Syndicate.
: Training at Egypt Company for spin and textile fabric (4 months):

- Electrical power & control circuits design, Installation and maintenance.
- Electrical motors winding.

- : Training at Mash Company for pharmaceuticals (1 month): Electrical power & control circuits design, Installation and maintenance.
- : Training at Print Home Company for printing and packaging (1 month): Electrical power & control circuits design, Installation and maintenance.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jan. 2017 till now
- Employer** : Arabian Company for oils refining, mining & transport service
- Job title** : Electrical Maintenance & Installations Manager
- Job Description** :
- Working under supervision of Technoforce (Indian Co.) in the electrical power and control installations of Oils Refining Plant controlled with Siemens S7 PLC & HMI.
 - Installation Plant instruments and adjustments for temperature sensors.
 - Installation instruments and adjustments for temperature control valves, pressure control valves BAELZ & EMERSON Brands.
 - Installation instruments and adjustments for Guided wave radar level transmitter, absolute pressure transmitter Ultrasonic level transmitter Endress Hauser Brands.
 - Implementations drivers' applications (cascaded, torque control, speed control, ...).
 - Installation safety panels for three diesel heater BONO Brand.
 - Make cold loop check and hot loop check for all I/O list (instruments and adjustments for valve limit switches).
 - Doing hot loop check for F&G System (gas detector, flame detector, open path gas detector and all indoor fire system devices).
 - Follow-up I&C maintenance work through daily operation malfunctions.
 - Preparing the Daily Work for all team.
 - Maintenance all I&C Devices like (transmitters – valves – switches, ...etc.) by Trouble shooting the loop using (P&ID – IO List - wiring diagram – Cause and effect).
 - Calibration & installation & loop check & put it in service.
 - Supporting operation team for start-up all systems.
 - Supervision for construction activity (installation & QC & technical engineering & material control & hand over for TOP & ...etc.)
 - Designing and installation distribution power network for plant (Cables Surface area & paths).
 - Designing and installation Lighting and Service Distribution Networks for planet and logistic building (Cables Surface area & paths).
 - Designing and installation distributions power, ATS and Power Factor Panels Components.
 - Lighting and Service Panels for planet and logistic building.
 - Designing maintenance strategies, procedures and methods.
 - Carrying out routine scheduled maintenance work and responding to equipment faults.
- Dates** : From Mar. 2010 till Jan. 2017
- Employer** : Egyptian Company for Flax, Melamine Paper & Artificial Wood Industry
- Job title** : Electrical Maintenance & Projects Manager

- Job Description** :
- Make the process audit and shop floor excellence.
 - Designing maintenance strategies, procedures and methods.
 - Carrying out quality inspections on jobs.
 - Make the monthly Maintenance analysis for rework and scrap and sharing in the solving problem team by make 8D reports and process audit.
 - Carrying out routine scheduled maintenance work and responding to equipment faults.
 - Diagnosing breakdown problems fitting new parts and making sure equipment is working correctly.
 - Arranging specialist procurement of fixtures, fittings or components.
 - Controlling maintenance tools, stores and equipment.
 - Monitoring and controlling maintenance costs.
 - Dealing with emergencies, unplanned problems and repairs.
 - Working with specialist equipment, such as programmable logic controllers (PLC), which control machinery on factory assembly lines.
 - Writing maintenance strategies to help with installation and commissioning guidelines.
 - Ensuring there is continuous cover of the machinery and equipment in case of breakdowns.
 - Experienced knowledge in SIEMENS industrial software's SIMATIC STEP 7 / WinCC / WinCC Felxible / PCS 7.
 - Experienced knowledge in SIEMENS industrial hardware's PLCs (SIMATIC S7-300/400), ET 200 I/O Systems, PROFIBUS, PROFINET, Industrial Ethernet, MPI & AS-Interface (AS-i) systems.
 - Maintenance, programming and repairing the electrical Panels for Combustion System (MST-G-7.1) in touch working with PLC (SIEMENS _S7).
 - Design, Installation and Maintenance the electrical safety panels for OIL TUBE BOILER (G9- VERS.ZMD).
 - Maintenance, repairing, electrical power cables Installations, Supervision the structure of switchgear and synchronizing panel of Six Generators 1.1 mega Watt Caterpillar controlled with Zelio PLC.
 - Dealing with the factories PLC (SIEMENS _S5 & S7) manual, wiring and programming.
 - Configurations for industrial network topologies, drivers' parameters and process visualization and programming (SCADA system – Intouch 7.11).
 - Installation and maintenance spacer less press system working with hydraulic valves Controlled with transducers and proportional cards.
 - Design, Installation and Maintenance the main distribution & sub distribution panels of three phase transformers 500 & 1000 & 2000 KVA.
 - Installation and maintenance the electrical panel of high pressure hydraulic vibrated pumps for charge great accumulator (240bar) and low air pressure compressors Kaeser & DEMAC (10 bar) for different pneumatic operation.
 - Design, Installation and Maintenance Electrical (A T S) panels.
 - Design, Installation and Maintenance Power Factor Improvement panels.
 - Design, Installation and Maintenance Electrical Fire Fighting Panels.
 - Installation and programming AC Inverters, DC Converters and Softstarters.

- Troubleshooting servo motors and Indra-mat Servo motors & drives in addition to Sync-top and Drive top software's.
- Troubleshooting & calibrating field instruments (Conductivity, Temperature, Level, Flow & Pressure Transmitters, Control valves and Transducers, photocells & proximity sensors).

Dates : From Mar. 2008 till Mar. 2010
Employer : VITS-IMACO (Chinese Co.)
Job title : Senior Electrical Engineer
Job Description : Worked under Supervision of VITS-IMACO (Chinese Co.) in the Electrical Power and Control Installations of three plants controlled with Mitsubishi PLC (the MELSEC-F series PLC): Impregnation Plant, Melamine Presses Plant and Glue Reactant Plant.

Dates : From Mar. 2006 till Mar. 2008
Employer : DIEFFENBACHER (German Co.)
Job title : Junior Electrical Engineer
Job Description : Worked under Supervision of DIEFFENBACHER (German Co.) in the Electrical Power and Control Installations of three plants controlled with Siemens S5 PLC and Siemens S7 PLC: MDF, HDF and THDF Plant, PB Plant, Wood Fiber Insulation Board Plant.

Dates : From Oct. 2004 till Dec. 2005
Employer : Egyptian Armed Forces
Job Description :

- Worked at the technical office of the battalion.
- Shared in the structure and carrying out of several projects.

Field of experience : First point for me when I understand machine good for mechanical movement. I can make design for construction panels and make programming by (SIMATIC STEP7 professional software and SIMATIC STEP5 professional software), I can make design configuring visualization (SCADA systems by Intouch 7.11 and HMI); safety panels for OIL TUBE BOILER, the structure of switchgear and Synchronizing panel of Generators, proportional cards, high pressure reciprocating, compressors, the distribution panels, sub distribution panels of three phase transformers, Electrical (A T S) panels, Power Factor Improvement panels, Electrical Fire Fighting Panels, AC Inverters and DC Converters.