

Holds a B. Sc. in Mechatronics Engineering and has more than 3 years hands-on experience working in his field of education.

PERSONAL DATA

Nationality : Egyptian
Gender : Male

EDUCATION

: B. Sc. in Mechatronics Engineering, Arab Academy for Science Technology and Maritime Transport, 2014

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel), Internet

TRAINING COURSES AND CERTIFICATIONS

- : Training on electrical and mechanical maintenance for Mercedes's automotive, Alexandria National Automotive Company (Mercedes-Benz) (Aug. 2012).
- : Training on Sulzer and Picanol machines, El-Nasr Wool & Selected Textiles Company (STIA), Alexandria (Jun. 2012).
- : Training on pumps, equipments and storehouses maintenance works, Arab Petroleum Pipelines Company (SUMED), Alexandria (Aug./Sep. 2011).
- : Training on electrical and mechanical maintenance and workshops, Abu Qir Fertilizers Company, Alexandria (Jun./Jul. 2010).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From May 2014 till now
Employer : Faro Plast, Borg El Arab (Egypt)
Job title : Electrical & Mechanical Engineer
Job Description :

- Responsible for preparing a comprehensive periodic maintenance for:
 - Twenty two injection and blowing plastic molding (Haitian, Nan Rong, John Way, Battenfeld, Dick Lyons).
 - Two heat exchanger 'Chillers' (York, carrier).
 - Air compressor (Kaeser).

- Backing and Sealing machines (Vacuum Sealer, Shrink Wrap, Hand Sealer, Table Top Horizontal Band Sealer).
- Responsible for identifying and repairing any electrical or mechanical faults of the machine which include:
 - Electrical components, PLCs (Siemens & Mitsubishi):
 - Motors:
 - Induction motors (single phase, three phase).
 - Synchronous motors (servo motor).
 - DC motors.
 - Huge different set of heaters.
 - Sensors and limit switches signal feedback (displacement transducer, proximity sensor, pressure sensor, thermocouple sensor, level sensor).
 - Fuses, circuit breakers, contactors, relays, SSR, pid controller, electronic boards, diodes, resistances, capacitors, potentiometer, power factor, transformers (ABB).
 - Hydraulic and pneumatic systems:
 - Positive displacement pump:
 - Rotary type (vane, gear, screw).
 - Reciprocating type (radial position pump).
 - Centrifugal pump.
 - Valves (solenoid valve, pilot valve, check valve, butterfly valve, ball valve, gate valve, thermal expansion valve).
 - Pistons, oil seals, bearings.
- Responsible for replacing spare parts and machine, equipments and molds alignment and installation.
- Responsible for developing and designing systems and devices in order to achieve the desired efficient productivity.

- Field of experience :**
- Managing, Maintaining, Developing and Designing highly technological systems.
 - Execute reliable electro-mechanical processes.
 - Execute reliable computer control systems for manufacturing equipment.
 - Integrate electrical and mechanical systems to enhance manufacturing systems.
 - Develop and test mechanical devices for high throughput laboratory automation use.
 - Create software and procedures to control automated lab equipment.
 - Present reports at internal technical meetings.
 - Design and prototype mechatronic devices with motors, solenoids, gears, sensors and springs.
 - Package electronics like printed circuit boards, sensors, connectors and cabling.
 - Install and debug actuators into vehicles.
 - Execute knowledge in Siemens PLC (s7-300) programming, C++, Code vision AVR, Arduino programming, Proteus and Matlab works.
 - Ability to interact with customers in a professional manner.