

105366-CSX-8CMOS-E-2005
Electrical & Automation Engineer

Holds a B. Sc. in Industrial Electronic & Automatic Control Engineering and has about 12 years experience working in electrical and automatic control.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 03/09/1983
Gender : Male

EDUCATION

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

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: ICDL Certificate.
: Design SCADA Projects.
: Healthy & Safety WHS.

CHRONOLOGICAL EXPERIENCE RECORD

Employer : VA TECH WABAG GmbH
(Water Treatment & Waste Water Treatment Stations)
Job title : Electrical & Automation Engineer

Employer : International for Electrical & Electronic Systems (I.E.E.S)
(Water Treatment & Waste Water Treatment Stations)
Job title : Electrical & Automation Engineer

Field experience:

- Waste Water Treatment Planet Madinaty 40.000 M3/Day.
- Water Treatment Station for Military Production Factories 400 L/SEC.

- Waste Water Lift Station (Ismailia Mustaqbal City).
- Waste Water Treatment (Oxidation Lakes) Damietta (Daqahla City).
- Waste Water Treatment Station (6th October West Station Overhauling).

Field activities:

- Install Power & Control Panel for Motors and Pumps.
- Design Automation System (PLC & SCADA) Siemens S7-300.
- Overhauling all Power & Control Panel for the Station Pumps & Motors.
- Modify some Pumps Panel.
- Install and Programming Field Instruments (LEVEL – FLOW – PRESSURE – PH – DO).
- Connect all Signals from the Plant to Plc.
- Good understanding of electrical drawings (Cable list, Cable routing, P&ID, MCC wiring diagram and PLC panels wiring diagram...etc.).
- Supervise electrical installation.

Technical Skills:

- PLC: Programming, Wiring & Editing.
- SCADA SYSTEM (Design & Operator).
- HMI (Programming & Maintenance & Editing).
- MOTOR & PUMPS (CONTROL – POWER) Circuit (Design & Maintenance & Editing).
- INSTRUMENTS Install & Program (LEVEL – FLOW – PRESSURE – CHEMICAL).
- Printed Circuit Board "PCB" (Design & Fabricate).
- AC Motor Drives "FREQUENCY INVERTERS" (Installation & Programming).
- AC Motor Drives "SOFT STARTER" (Installation & Programming).
- AC Servo Motor Drives (Installation & Programming).
- Hydraulic System Maintenance.
- Assist in designing maintenance strategies, procedures and methods.
- Planning and scheduling planned and unplanned work.
- Diagnosing breakdown problems.
- Controlling maintenance tools, stores and equipment.
- Dealing with emergency and unplanned problems and repairs.

Practical Personal Achievements:

- Instructor at El-Alamia for Electrical Engineering Training Center for Automatic Control and Maintenance Courses (Part Time).
- Instructor at ISG-SMARTEC for Automatic Control and Maintenance Courses (Part Time).
- Design System to Reduce the Electric Power Consumption for Plastic Machines.
- Install Production Line for Pipes.
- Modifying the Control Program for the Fly Sew of the Plastic Pipe Machine.
- Design Control Program for Extension Unit for the Plastic Pipe Machine.