

103839-CSX-4DMSx-E-2005

Instruments & Automatic Control Engineer

Holds a B. Sc. in Communication & Electronics Engineering and has over 16 years hands-on experience working in I&C / Automation field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 23/10/1983
Gender : Male
Marital Status : Married
Residence : Fayoum

EDUCATION

: B. Sc. in Communication & Electronics Engineering, Cairo University (Fayoum branch), 2005

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From 2020 till now
Employer : Egyptian Petrochemicals Company (EPC), which is one of Petroleum and Mineral Resources Ministry companies
Job title : Instruments & Automatic Control Engineer of power plants (Gas & Steam)
Job Description :

- Performing instruments loop checking, maintenance and calibration.
- Wiring and commissioning of automatic control valves.
- Testing and commissioning of ABB- Procontrol P13\P42 Control system by Progrees3 and EDS Engineering software and 800XA software for HMI.
- Testing and commissioning of GE- Mark Vie Control system by TOOLBOX Engineering software and CIMPLICITY software for HMI.
- Performing instruments and HMI System maintenance of BOP.
- Testing, evaluating, modifying for high safety and high performance plants operation.
- Accurate specifying and commissioning of the stock spare parts for the

- plants.
- Work with plants operators for urgent problems during work of the plants.

Dates : From Mar. 2006 till 2019

Employer : El-Nasr Company for Intermediate Chemicals (NCIC), it is one of the biggest companies of the Egyptian Defense Ministry which has 25 plants for chemicals and fertilizers Industries

Job title : Electrical, Control System & Instrumentation Engineer (installation, commissioning and maintenance)

Job Description :

- Electrical and instruments installation of plants: Aluminum Sulphate Plant (ASP), Potassium Sulphate fertilizer Plant (PSP), Sulfuric Acid Plant (SAP), process water plant, industrial waste water plant, fan and chiller cooling water plant, RO and DM water plant, gas firetube water boiler plant (Design & Installation companies: DESMET BALLESTRA, DABSTER, PFAUDLER, COMSPAIN, BRADLEY).
- Supervision of instruments installation: Hook-up, Feeding and signals cable tray routing, Cable tray and conduits filling ratio, JB installation, inspection, calibration, loop checking.
- Performing instruments loop checking and calibration.
- Wiring and commissioning of automatic control valves.
- Testing and commissioning of ABB-AC800F DCS system by checking I/O's modules, cluster module, profibus socket, hershmann transducer, profibus and optical fiber cables, redundant CPU, main and redundant profibus data accusation modules, Ethernet modules, Modbus modules, Ethernet cables, network switch, DCS Engineering and operating work stations, operating system setup, Freelance 2000 CBF Professional/DigiVis (combi) software setup, ip setting, Software license and Project software upload.
- Testing and troubleshooting of SCADA system.
- Wiring and checking of motors control signals of Hand Control, ESD, interlocks and SDS.
- Reading and commissioning of control cables layout and electrical designs of the motors control panels.
- Supervision and commissioning of the feeding and control cables laying of MV, LV, MCC, generators ATS, ups, lighting systems panels, electrical motors, control system panels and motors SDS.
- Installation and commissioning of VSD and Softstarter of motors.
- Reading of the electrical designs drawings and piping & instrumentation drawings of the plant.
- Testing, evaluating, modifying for operation high safety and high performance plant.
- Performing the routine maintenance of the plant and issue the maintenance reports on periodic basis.
- Train and develop the electrical technicians and fresh graduated engineers.
- Good background about HVAC, BMS, EMS and Fire alarm system.