100109-ICX-CMOS-E-1994
I&C Engineer

Holds a B. Sc. in Electrical Engineering and has about 12 years hands-on experience in power plants control systems maintenance, troubleshooting and calibration.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	21/11/1966
Marital Status	:	Married

EDUCATION

: B. Sc. in Electrical Engineering, Helwan University, 1994

LANGUAGES

Arabic	:	Native Language
English	:	Good

COMPUTER SKILLS

: Windows, MS Office
: Visual Basic
: DSC & PLC

TRAINING COURSES AND CERTIFICATIONS

: Intensive course on computer skills, including MS Office & Visual Basic & DCS & PLC.

CHRONOLOGICAL EXPERIENCE RECORD

Dates	:	From Mar. 2010 till now
Employer	:	EGYPTROL
Project	:	El-Atf Power Station
Job title	:	I&C Commissioning Engineer
Job Description	:	Responsible for all NEM (HRSG Contractor) field instruments commissioning activities.

Dates	:	From Jun. 1999 till Mar. 2010
Project	:	Damanhour Thermal Power Plant (1x300MW)
Job title	:	I&C Engineer

Job Description :

- Good experience in many control systems such as BMS, DCS, DLS, PLC, TSI.
- Responsible for maintain & troubleshooting.
- Good experience in control system Network-90.
- Good experience in fire fighting and fire alarm systems.
- Calibrate, test, maintain for different field instrumentation such as vibration sensors, differential expansion, absolute expansion, thrust bearing wear detector, temperature sensors, flow transmitters, level transmitters, pressure transmitters, level controller, temperature controller, pneumatic valves (control & on/off) and motorized valves in the following systems:
  - Boiler:
    - Pressure, differential pressure transmitters by Hartmann & Braun and Siemens (Germany).
    - Level-temperature-flow transmitter by Hartmann & Braun.
    - Thermocouple - R.T.D.
    - Oxygen and carbon monoxide analyze (Westinghouse).
    - Flame detection systems (Bailey).
    - On/off valves (pneumatic - motorised) Parcol and Rotork.
    - Pneumatic pressure & temperature controllers: Ametic (USA).
    - Control system: DCS N90 (Distributed control system) made by Elsage Bailey and Hartmann & Braun Co. used in BMS which include the sequence of burning either by light fuel oil (igniters) or burners (heavy fuel oil or natural gas) also DCS used in controlling equipment's related to combustion control such as FDF (forced draft fan) and GRF (gas recirculation fan) and secondary air control loops.
    - PLC (programmable logic control) used in soot blowers system.
  - Turbine & auxiliaries EHC (electro hydraulic control):
    - On/off motorized valves: Biffy (Italy).
    - On/off pneumatic valves: Fisher (USA).
    - Control system (EHC) by Elsage Bailey Co. which includes different control loops such as: speed control unit, load control unit and floe control unit which which gives a current signal to serve valves.
    - Thermo couple: Pitco (type K - Italy).
    - R.T.D.: PT 100 Pitco - Italy.
    - Temperature transmitters: Hartmann & Braun.
    - Flow transmitters: Hartmann & Braun.
    - Vibration sensors, differential expansion, absolute expansion, thrust bearing wear detectors, speed sensors and rotor axial position instruments.
    - On/off valves (pneumatic): Parcol (Italy).
    - On/off valves (motorized): Rotork (England).
    - Control valves: STI (Italy).
    - Pneumatic pressure and temperature controllers: Ametic (USA).
  - Demineralization and Waste Water Treatment Plant:
    - Level transmitters: Hartmann & Braun.
    - Flow transmitters: Hartmann & Braun and Rosmount.
    - Control valves: STI (Italy) and Fisher (USA).

- Pneumatic pressure and temperature controllers: Ametic (USA).
- PLC (programmable logic control) used in control (Siemens).