

100237-ICX-1CMOS-E-2005
Testing & Commissioning DCS Engineer

Holds a B. Sc. in Electronics Engineering and has about 15 years hands-on experience working in the field of instrument & control systems.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 18/01/1983
Gender : Male
Marital Status : Married
Residence : Currently KSA

EDUCATION

: B. Sc. in Electronics Engineering, Menoufia University, 2005

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

: Overflow tank protection system training, Najran Power Plant (Nov. 2015).
: Nuclear safety and security training (Jun. 2015).
: PLC, HMI and Visualization training course, Najran Power Plant (Nov. 2014).
: GE Measurement & Controls training course "MK VIe DCS Maintenance" (Nov. 2013).
: GE TCS (MK V, MK VI, MK VIE).
: RSview 32 software course (Oct. 2009).
: PLC, microcontroller, industrial electronic, real time programming machine, SCADA system.
: Fundamental electrical circuit.
: PLC SIEMENS S7 – 400 / 300 / 200.
: HMI Mark V training and how to work it.
: SCADA SYSTEM RSView 232 training and how to work it.
: Simple training about SCADA SYSTEM I FIX.
: Base work of network system.

: CONTROL SYSTEM MARK V & CIMPLICITY TRAINING.
: Siemens WINCC.
: Primavera P6

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jun. 2020 till now
Employer : Petrojet
Project : Ras Tanura Terminal South, DCS UPGRADE CONTROL SYSTEM
Job title : Testing & Commissioning DCS Engineer
Job Description :

- Check and review engineering design of Honeywell DCS C300.
- DCS C300 Control System installation, Test & commissioning.
- Check and review old control system TDC3000 DCS component Hardware, IODB, and logic.
- Perform Pre-FAT & FAT for all Honeywell Experian DCS tests (software, hardware ...).
- Review and follow Cutover OMSS system to PBM system.
- Check and review design packages, ILD, PFD, P&ID.
- Compare & check old logic (TDC3000 old DCS SYSTEM with new logic on C300 DCS SYSTEM).
- Check and review Cut over plan between old and new DCS system (hardware & software).
- Performing and manage Factory Acceptance Test and Site Acceptance Test Honeywell Experian DCS System.
- Performing loop check, logic check, Cause & Effect check and Control Narrative checks.
- Review PFD & HMI for PBM system.

Dates : From Dec. 2019 till Jul. 2020
Employer : Asas Aljood Gen. Cont. Co.
Project : Riyadh Refinery, COMPRESSOR OVERHAULING
Job title : Project Manager
Job Description :

- Managing and organizing the various people working on the project.
- Control Project scope and claim of variations when required.
- Provide technical support for electrical and control team during project.
- Prepare and select qualified man power.
- Technical and commercial meeting with client (Aramco).
- Lead Start-up, Test and commissioning project equipment's and systems.
- Calibrate and test all control devices related to compressor (vibration, pressure, temperature, flow, ...).

Dates : From Jul. 2017 till Aug. 2019
Employer : Tamkeen Advanced Company
Project : Gas Turbine
Job title : Testing & Commissioning Manager
Job Description :

- Re-engineering control system to replace GE mark 5 turbine control system by Mark 6E control system.

- Installation, Edit & Modify DCS panel Software and hardware.
- Test & commissioning GE MK VIE TCS, DCS, excitation system.
- Review, test & commissioning MCC Panels, 480 volt switch gears and test operation scheme.
- Review, test & commissioning Gas Turbine Components (IGV, BYPASS Valve, Fuel Stop & Re-circulation valves, Speed & Vibration, DC system, Fuel system, Cooling system, Water Wash System).
- Review, test & commissioning firefighting system (CO2 system, FM 200 system, Deluge system, ...) with main DCS control panel.

Dates : From Jul. 2013 till Jul. 2017

Employer : Saudi Electricity Company

Job title : Technical Support Engineer

Job Description :

- Test and commissioning with vendor different control system for steam boiler devices and control at Shuqiq Steam Power Plant (4 units x 670MW) (from 2/2017 till 7/2017).
- Test & commissioning Alspa turbine control system & DCS ovation control system at Shuqiq Steam Power Plant with vendor.
- Follow up calibration of all instrument and control valves for boilers and turbines.
- Technical Support Engineer at Najran Power Plant (Gas Turbines 7 units x 60MW).
- Specialist for trouble shooting different electrical and control system at Gas Turbine.
- Specialist for GE MK VIE TCS & MK VIE DCS system.
- Maintenance and modification GE control systems MKV, MKVI, MKVIE.
- Excellent experience for maintenance and modification GE DCS system software and hardware.
- Installation and test Supervision new water treatment plant project.
- Supervising the implementation of short and long-term projects.
- Proposal and implementation of various improvements to old control systems.

Dates : From Mar. 2007 till Jul. 2013

Project : El-Kureimat Power Station:

- 2x650MW (GE) Steam Turbines.
- Control system is MARK V.
- 2 Conventional Boilers, 36 Burners (BABCOCK WILCOX – Canada).
- The plant is controlled via EMERSON (WESTINGHOUSE) DCS (WDPF) control system.
- BMS CONTROLLED BY DCS DPU'S.
- Water Treatment Plant.

Job title : Instrument & Control Engineer

Job Description :

- DCS Maintenance Engineer at El-Kureimat Power Station 2 units x 627MW boiler and steam turbine.
- CM & PM for different instrumentations inside plant (transmitters, switches, valves, flame scanner, flow meter, vibration, dampers, temperature...).
- Calibration different instrumentations inside plant.
- Maintenance and modification DCS system Emerson WDPF (loop

check, logics, alarms, trips.

- Support operation during urgent work process.
- Supervision MI & CI shutdown outage.

Dates : From Mar. 2006 till Mar. 2007
Employer : EI-Nasr Co. for Intermediate Chemicals (NCIC belongs to Ministry of Defense) in Fayoum branch
Project : Aluminum Sulfate Plant, Sulfuric Acid Plant
Job title : Maintenance E&I Engineer
Job Description :

- PM & CM Maintenance 480 volt switch gear inside plant.
- PM & CM Maintenance different control systems inside plant.
- Maintenance and calibration different instruments inside plant (transmitters, control valves, switches, vibrations).
- PM & CM for DCS ABB control system.
- PM & CM for different electrical and control systems inside water treatment plant.

Short Summary about my experience on GE MkVIE, MVI:

- Ability to installation control panels equipment's according to GE standard.
- Test & commissioning different signals and system connect to GE System (lube oil, speed, vibration, IGV, fuel, water wash, ...).
- Ability to check logics according to process and modify it if required.
- Hard ware replacement and work on software to make required modification.
- Trouble shooting for different problems that can appear on control system during Test & Commissioning (signal need adjusted, ground fault, adjust alarms and trip, ...).
- Calibration IGV, TORQUE CONVERTER, Transmitters, switches.
- Installation Excitation system EX2100E & test, commissioning.