



IHSAN ULLAH

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ABOUT ME

Two plus years of assorted work experience in Control & Safety Systems as Design & Application and Control System Engineer in Cement, Steel, Petrochemicals, Oil & Gas Industry, Oil Storage and Export Terminals in the fields of Engineering and Automation Supervision for On-shore & Off-shore Projects.

Experience in System Architecture Design, System Hardware design, Control and Safety System programming, HMI database & graphics development, commissioning.

Good knowledge of variety of Control & Safety Systems hardware, Panel design, Software design, Project documentation, Project database development, Instrument loop diagrams and logic drawings.

Good knowledge of working on DCS, PLC, Safety and SCADA Systems.

Good knowledge of Standards ISA, IEC.

WORK EXPERIENCE

01/10/2019 – 10/11/2021 – Abbottabad, Pakistan

Automation & Control Engineer

LEAN AUTOMATION PVT LTD

Working as Design & Application Engineer. Major job responsibilities include:

- Project Engineer
- Functional and Detail design specifications documentation (**FDS & DDS**)
- Panel Designing & Procurement
- Project development including control system programming and HMI development
- FAT / SAT
- Commissioning / Startup

EDUCATION AND TRAINING

09/07/2015 – 09/09/2019 – Abbottabad, Pakistan

Electrical Electronics Engineer

COMSATS UNIVERSITY ISLAMABAD

LANGUAGE SKILLS

MOTHER TONGUE(S): Urdu

OTHER LANGUAGE(S): English | Hindi

DIGITAL SKILLS

DISTRIBUTED CONTROL SYSTEMS (DCS) / Wonderware InTouch SCADA (PLC-SCADA) / Microsoft Excel / CCNA Basic Course / PLC Programmierung / Allen Bradley Control Logix 5000 system / Allen Bradley SLC500 / Allen Bradley Micrologix / Allen Bradley Compact Logix / S7-1200 PLC / Siemens Controllers S7-200 S7-300 S7-1200 S7-1500 / Schneider Triconex SIS / Honeywell Safety Manager / Yokogawa Centum CS3000 / HMI Web Display Builder / Factory Talk View Studio / Siemens Step7, WinCC

PROJECTS

01/08/2021 – 30/09/2021

Troubleshooting of Allen Bradley L32E PLC

LEAD Instrument & Control Engineer

Design, implementation and FAT & SAT and Commissioning of Plant AB PLC & Panel View HMI (Factory Talk View) for the Compressors of the Project. Project include around 400 IOs.

The scope included the following packages:

- Leading the team in resolving instrument, control & electrical technical issues
- Complex loop and logic development as per P&ID.
- Work on RS232 and Ethernet
- Preparation of Instrument specification. TBE (Technical Bid Evaluation) for field instrument like safety valves, various flow meters, analyzers, control valves etc.
- Troubleshooting of Allen Bradley CompactLogix L32E PLC
- Factory Talk View HMI used to visualize all data in CCR
- Software-RSLogix 5000

01/02/2021 – 31/03/2021

Rectification of communication problem OF front end Compressors (1301-1314)

Design & Application Engineer | SCADA | Commissioning Engineer

The scope of project is testing and verification of RS 485 Bus connections on both sides (MOXA). Installation and commissioning of Honeywell SCADA System. Configuration of all tags of 14 compressors in Quick Builder Honeywell DCS and HMI development on HMI Web Display Builder Honeywell DCS.

01/11/2020 – 31/12/2020

DCS Application Development Heat Recovery Steam generation Boiler (HRSG)

Design & Application Engineer

Scope was to analyze main process loops, its P&IDs and all the technical documents provided by the vendor and to design DCS and ESD Applications for it. We developed the

- DCS Application on Honeywell Experion PKS R410
- ESD Application on Honeywell Safety Manager.

We managed to complete this project along with my resources before the deadline.

01/06/2020 – 31/08/2020

ICSS at Bander Abbas Gas Condensate Refinery

Design & Application Engineer

Design, implementation and FAT of Plant DCS (Honeywell R410) & ESD/ F&G (Honeywell safety Manager) for the 5 SRR out of 42 SRR's for the Phase 3 of the Project. The Project was divided into 3 phases.

The scope also included the following packages

- 5 Azarabb Boilers –Boiler: BMS is implemented in AB Control Logix and the combustion loops were implemented in Honeywell EPKS DCS
- Compressors: Compressor logic is implemented in AB Control Logix
- Demin package: Demin water package logic is implemented in AB Control Logix total number of Hardwired IOs for all 3 phases is 70000

01/01/2020 – 04/2020

ESD & FGS Triconex at South PARS Gas Refinery Phase-19

Design and Application Engineer

The client of this project is Iranian Government who have 24 different phases in South PARS Energy zone. Each phase is separate Gas Refinery of round about 30,000 IOs.

Our Scope

Complete implementation of Safety Logic along with Hardware and Software on Invensys Triconex PLCs on 14 Instrument Technical Rooms (ITRs). In addition to that we provided 24/7 services to client to exclude any unwanted shutdowns or hazards.