

MUHAMMAD TALHA MAQBOOL, B.Eng (Electronic)

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PROFILE

- A highly competent, motivated and enthusiastic DCS engineer with more than 6 years of experience
- Proficient experience of Honeywell and Allen Bradley control systems.
- In depth knowledge of Design, Installation, Configuration / Programming of Control Systems, HMI designing, FAT, SAT, diagnosis, troubleshooting, Staff and user Trainings.

EDUCATION

B.S in Electronic Engineering

March, 2012

Sir Syed University of Engineering & Technology

EXPERIENCE

February 2018 till present

Technical Lead (After Market Support) at Avanceon Ltd.

- Control System Engineer at UEPL (Jan 2019-Feb 2020)

June 2017 to January 2018

System Engineer at UEC (Pvt.) Ltd.

June 2016 to May 2017

Application Engineer at Control Systems Engineering (CSE)

January 2014 to May 2016

Systems Engineer at The Automator's (Pvt.) Ltd.

PROJECTS:

United Energy Pakistan:

Project Description: Deputed as a Maintenance engineer for control systems at Oil & Gas plant for 15 days rotational job, one year contract. The services includes preventive and corrective maintenance for all control systems, diagnostics and troubleshootings, emergency supports, upgradation projects and improvement works.

Khairpur Sugar Mill

Project Description: System Design, Hardware installation, Software's installation, Servers and Stations installation, Communication Network, Logics and HMI designed for Mill House and Boiler House automation at Honeywell C200E system architecture. Experion LS 300 release implementation.

Sheikhoo Sugar Mill

Project Description: System Design, Hardware installation, Software's installation, Redundant Servers & Station installation, FTE Communication Network, CISCO switches configuration, Logics and HMI designed, FAT and SAT execution for Mill House, Boilers, FFEs and TALO Refinery automation at Honeywell C300 system architecture. Experion PKS 410.6 release implantation.

Pak Ethanol Distillery

Project Description: System Design, Hardware installation, Redundant Servers and Stations installation, Software's installation, FTE Network, Switches configuration, Logics and HMI designed, FAT execution for Distillery Unit II, EDU and Boilers. Experion LX R120 release implementation.

Mirpurkhas Sugar Mill

Project Description: System Design, Hardware installation, Software's installation, Communication Network, Logics and HMI designed, FAT & SAT execution for 6MW Turbine automation and Boilers automation at SUPCON JX300 XP.

National Refinery Limited (NRL)

Project Description: ROI & ROII up gradation project. Replaced Modicon PLC with MicroLogix 1400 at ROI and MicroLogix 1200 to 1400 at ROII. HMI replaced from PB32 to Panel View Plus 600 at both units. Signals wiring, Tagging's and terminations. Logic designed by adding some new features as per requirements at RS Logix 500, new HMI displays designed at Factory Talk View Studio according to client request. FAT & SAT execution.

Engro Elengy Terminal

Project Description: Upgradation project for installation of new MLA, selection for both MLAs to operation and maintenance override logic. Integration of Modbus signals. Addition of IO modules, signals termination, Logics and HMI designed with respect to new process upgradation at Allen Bradley Control Logix L71 system architecture.

POGC:

Project Description: Commissioning services at Polish Oil & Gas company for Amine dehydration plant at safety PLC Guard Logix. Logics designed as per C&E and client request. Installation of HMI software at operator station.

Technical support /Troubleshooting:

Pakistan Oil Fields-POL

Project Description: Preventive and Corrective Maintenance visits for Honeywell Experion PKS 300 release, C200E system architecture. DCS trainings, modifications and emergency supports.

Crystalline Chemical Industries (CCI)

Project Description: Preventive and Corrective Maintenance visits for Honeywell Experion PKS 200 release, C200 system architecture. DCS trainings, PCIC configurations, modifications and emergency supports.

Engro Polymer & Chemical

Project Description: Preventive and Corrective Maintenance visits for Honeywell Experion PKS 400 release, C300 system architecture. Servers & Station installations, modifications and emergency supports.

Fatima Fertilizers Ltd.

Project Description: Preventive Maintenance visit for Honeywell Experion PKS 300 release, C200E system architecture.

KEPCO KPS Power Plant:

Project Description: Preventive and Corrective Maintenance visits for Honeywell Experion PKS 300 release, C200E system architecture. Honeywell Safety Manager system, Terminal Server settings, troubleshootings, modifications and emergency supports.

Makori Gas Field (MOL):

Project Description: Preventive and Corrective Maintenance visits for Honeywell Experion PKS 410.6 release, C300 system architecture. FTE network troubleshooting, modifications and emergency supports.

Nishat Chunian Power Plant:

Project Description: Preventive and Corrective Maintenance visit for Honeywell Plant Cruise, Series 8 IOs, C300 system architecture. Restoration of Trends & Historian data.

Futehally Chemicals Ltd.

Project Description: Preventive and Corrective Maintenance visits for Allen Bradley PLCs. Control Logix and Compact Logix system architecture, Logics & HMI design, upgradation projects, troubleshootings and emergency supports.

MariPetroleum:

Project Description: Preventive and Corrective Maintenance visits for Allen Bradley PLCs. Control Logix and Compact Logix system architecture, Logics & HMI design, upgradation projects, troubleshootings and emergency supports.

PPL-Adhi Field

Project Description: Preventive and Corrective Maintenance visit for all Allen Bradley PLCs and HMIs at plant.

P&G

Project Description: Corrective Visits for Allen Bradley PLCs. Software's installation & Power Flex VFDs configuration

Unilever Khanewal

Project Description: Preventive & Corrective maintenance visit for Control Logix PLCs. Laptop preparation for all softwares installation.

Faran Sugar Mill

Project Description: Preventive and Corrective maintenance visits for Control Logix PLCs. ABB VFD integration with Rockwell system. Logics & HMI modifications, troubleshooting and emergency supports.

OGDCL Kunnar

Project Description: Corrective visits for TLAS system, Softwares installation, diagnostics & troubleshooting.

Power Cement Ltd.

Project Description: Preventive & Corrective maintenance visits for all installed base VFDs, diagnostics & troubleshooting for running operation at Power Flex 700, 753 and 755 VFDs.

UNICOL LTD.

Project Description: Corrective maintenance visits for Power Flex installed base VFDs, diagnostics & troubleshooting. Power interface board installation and integration with DCS.

Fauji Fertilizer Company (FFC)

Project Description: Preventive and Corrective Maintenance visit for Allen Bradley SLC 5/05 PLC. Logics & HMI modifications as per scope of work.

SHELL LOBP

Project Description: Preventive and Corrective Maintenance visits for Allen Bradley Control Logix PLC. Logics & HMI design, troubleshootings and emergency supports.

SKILLS:

- Honeywell DCS C300, C200/C200E, HC900, FSC, Safety Manager
- Honeywell Experion PKS 200, PKS 300, PKS 400, Experion LS 300, Experion LX R120, Experion HS 300, Plant Cruise, Hybrid Control Designer
- Rockwell AB SLC 500, Compact Logix, Micro Logix, Guard Logix and Control Logix
- RS Logix500, RS Logix 5000, Studio 5000, RS Linx Classic, Factory Talk View Studio, Components Workbench
- Rockwell AB VFDs Power Flex 700, 753 & 755
- Factory Talk PI Historian System
- SUPCON JX300XP DCS
- SIEMENS S7300 SIMATIC MANAGER