

HAMZA MASOOD RAJA

Sr. Instrument & Control Engineer

10 Years' Experience

hamzamasood77@gmail.com

+673 7104991(Brunei)

House # 177, lane 7, Askari 13 Rwp

Marital Status: Married

DOB: March 3rd, 1990

EXPERIENCE	2021-Present	BRUNEI FERTILIZER INDUSTRIES Sr. I&C Engineer NH3, Urea & Utilities Plant	
	2021-2021	ENGRO FERTILIZERS (Previously Exxon) Deputy Manager I&C Turbo-Machinery & Utilities	
	2013-2021	FATIMA FERTILIZERS LIMITED Sr. Control Systems Engineer I&C Maintenance & Reliability	
	2012-2013	PAKARAB FERTILIZERS (JV of ADNOC) I&C Maintenance & Reliability Utilities Plant	
EDUCATION		BE Mechatronics Engineering National Engineering of Sciences & Technology (NUST) CGPA: 3.12 Scholarship student for 5 th , 6 th , 7 th & 8 th Semester	
CONTROL & PROTECTION SYSTEMS	DCS	Yokogawa CENTUM VP R6 + AD Suite, R5	
	ESD	Yokogawa PROSAFE RS R4, R3	
	GE-MARK VI	ControlST, Toolbox & CIMPLICITY	
	ALLEN-BRADLEY	Control Logix (STUDIO 5000) SLC500 (RSLOGIX 500)	
	SIEMENS	Simatic PCS 7 & Simatic S7	
	BN-3500	Rack configuration, Operator Display	
	WOODWARD	PROTECH TPS, MICRONET & Woodward 505	
	HISTORIAN	Yokogawa PIMS, Aspen IP21	

MAINTENANCE	- PM and CM job scheduling and execution of Safety Critical, Process Critical & other non-critical instruments during routing and Turnarounds through CMMS (Computerized Maintenance Management System). - Troubleshooting during plant call outs, plant emergencies & shutdown. - Root cause analysis (RCA) of failures and incidents as per PSM. Spares inventory management, preparation & utilization of Capital, Opex & Spares budget. - Shutdown and Major Jobs planning for Turbo-Machinery, reciprocating compressors, Gas engines, steam turbines and centrifugal compressors. - Maintaining and ensuring process control system integrity. (DCS, ESD, PLC's, HMI's, Backups etc.) - Development & implementation of procedures as per ISO-9001 & PSM. - Training of supervisors, technicians and apprentices through TNA's. Manage & perform team appraisals. - Prepare job scope (BOQ), review bids and engage contractors through oracle-based ERP system.	
PROJECTS	- Provide solutions and technical assurance for new & existing process control automation equipment. - Review, Design & Execute changes as per requirement in MOC (Management of Change). - Carry out engineering, procurement, pre-commissioning & commissioning for all I&C aspect of projects. - Maintain & develop As-built drawings of process control system & field instrumentation. - Propose and provide assurance to digitization, new technologies and automation equipment. - Carryout KOM (Kickoff meeting), HAZOP & SIL study with Vendor & third party for large scale projects. - Act as contract holder and administrator for all process control system and instrumentation installation, commissioning, maintenance, audits and quality control. - Develop & review project BOM, Sub-vendor list, ITP (Inspection & test plan), Documentation requirements, SAT & FAT requirements for projects. - Supervise the installation, pre-commissioning & commissioning of projects and execute changes in control	
CODES	- Hazardous area classification and approvals (IECEX, ATEX, FM, UL, CSA) - Functional safety IEC-61508 & IEC-61511. - Familiar with ISA, IEC & ISO standards.	
PROCUREMENT	Analyzers Gas detectors Transmitters Control Valves Vendors	Conductivity, pH, Silica, Chlorine, NaOH, HCL, THC, Multistream, Oxygen. NH3 & CH4 (Point & Open path or LOS) gas detectors. Pressure, temperature (RTDs & Thermocouples), vibration, flow (Orifice, Magflow, Coriolis, Annubar etc.), level (DP, Radar, Bubbler, Ultrasonic, Displacer) Globe, butterfly, ball from Fisher, Masonelian, Samson, Metso, Valvitalia, Valtel (VBG). Emerson (Rosemount, Daniel etc), ABB, E&H, Yokogawa, Detronics, Honeywell, BHGE, Danfoss, Pepper Fuchs, MTL, Weidmuller, Hitachi, Siemens, Krohne, Oval, Allen Bradley.
TRAINING	YOKOGAWA Allen-Bradley SIEMENS	05 day Prosafe-RS Engineering and Maintenance training by Yokogawa in Singapore. Control Logix & SLC500 Fundamentals Maintenance & Troubleshooting by Avanceon LHR. Simatic step 7, PCS 7 and WinCC training from Siemens Pakistan.