



AUTOMATION & CONTROL ENGINEERING PROFILE

Company Overview

Zubaida Malik Sirajuldeen Ameer Baksh Trading Establishment (ZMB) is a professional automation and control engineering services provider specializing in complete industrial automation solutions across Oil & Gas, Water, Power, and Industrial sectors. The company offers comprehensive services throughout the entire automation lifecycle, from initial system design and engineering through to programming, integration, troubleshooting, and commissioning. Our expert engineers have extensive hands-on field experience with multiple leading global automation brands including Siemens (S7 series PLCs, HMI systems, WinCC SCADA), Allen-Bradley (MicroLogix, CompactLogix, ControlLogix), Schneider Electric (Modicon platforms), Delta, ABB, and Honeywell systems. Our Engineers are proficient in various industrial communication protocols such as Profinet, Profibus, Modbus, EtherNet/IP, and OPC, enabling seamless integration across diverse equipment and platforms.

Beyond programming and configuration, the company provides complete control panel design and engineering services, including electrical drawings, documentation, and system commissioning support, our scope encompasses PLC and DCS systems, SCADA and HMI development, VFD and MCC panel engineering, field instrument integration, and ongoing operational support including troubleshooting, system upgrades, and shutdown assistance. With a client-focused approach and strong troubleshooting capabilities, We deliver reliable, efficient, and scalable control solutions designed to enhance plant safety, minimize downtime, and improve long-term operational performance while maintaining high engineering and safety standards across all industry

Scope of Services

We provide end-to-end automation services including PLC programming, DCS configuration, SCADA and HMI development, and control panel design. Our scope also includes field instrument integration, VFD and MCC panel engineering, system modification and expansion, as well as FAT, SAT, commissioning and start-up support. We support clients during normal operations, troubleshooting, shutdowns and system upgrades, ensuring minimum downtime and smooth plant operation.



SIEMENS PLC

The Micro range PLC SIMATIC S7-200 is truly in class of its own SIEMENS S7-200 is both compact and highly powerful – especially considering its real-time response – it's fast, features, great communication options and comes

Siemens Automation Expertise

We have extensive experience with Siemens automation systems across multiple industries. Our expertise includes Siemens PLC series such as S7-200, S7-300, S7-400, S7-1200 and S7-1500, including redundant systems like S7-400H and S7-1500R/H. We work with Siemens HMI solutions including Basic, Comfort and Unified panels, as well as WinCC SCADA within the TIA Portal environment.

We are proficient in industrial communication protocols such as Profinet, Profibus, Modbus TCP/RTU and OPC, enabling seamless integration between PLCs, HMIs, SCADA systems and third-party equipment. Our Siemens solutions are widely applied in pumping stations, utilities, process plants and Oil & Gas facilities.



Allen-Bradley (Rockwell Automation)

Our Engineer's have strong hands-on experience with Allen-Bradley PLC platforms including MicroLogix, CompactLogix and ControlLogix systems. We develop, modify and troubleshoot control logic using RSLogix 500 and Studio 5000 environments. For visualization and monitoring, we work with FactoryTalk View ME and SE SCADA systems.

We are experienced in Rockwell industrial networks such as EtherNet/IP, ControlNet and DeviceNet, allowing reliable communication between PLCs, drives, MCCs and field devices. Our services include logic development, fault analysis, system optimization and control panel review.

Schneider Electric Automation

We provide automation solutions using Schneider Electric Modicon PLC platforms including M221, M241, M340 and M580 redundant systems. Our experience also includes Schneider SCADA platforms such as EcoStruxure and Vijeo Citect.



We specialize in Modbus TCP and Modbus RTU based communication architectures and have strong experience in redundancy troubleshooting, system upgrades, logic modifications and SCADA graphics enhancement for continuous process plants.



Delta Automation Solutions

We can provide Delta automation products including DVP series PLCs, Delta DOP HMIs and Delta VFDs such as C2000, MS300 and CP2000. Our solutions are widely used in motor control, pump automation, HVAC systems and utility applications.

Our services include VFD parameterization, fault diagnosis, energy-efficient motor control strategies and integration of Delta drives with PLC and SCADA systems.



ABB Automation

Our Engineers experience with ABB automation includes AC500 PLC systems and ABB 800xA DCS platforms. We also work with ABB variable frequency drives for motor control applications.

We provide system integration, PLC-DCS communication setup, FAT, SAT and site commissioning support, ensuring compliance with project and client requirements.



Honeywell Automation

We can support Honeywell automation systems including Experion PKS DCS and Control Edge PLC/RTU platforms. Our experience includes refinery and process automation environments where high reliability and safety are critical.

Our services cover system configuration, logic troubleshooting, operational support, as well as start-up and shutdown assistance.

Control Panel Design & Engineering

We can provide complete control panel design and engineering services, including PLC panels, DCS panels, MCC panels, VFD panels and RTU panels. Our scope covers power distribution design, network architecture, I/O allocation and AutoCAD electrical drawings.

We also provide complete documentation including wiring diagrams, I/O lists, cable schedules and as-built drawings in accordance with project standards.

Industries Served

We can serve wide range of industries including Oil & Gas, Water and Wastewater, Power Plants, Industrial Manufacturing, Utilities and Infrastructure projects. Our solutions are designed to meet industry standards and site-specific operational requirements.



Key Strengths

Our key strengths include multi-brand automation expertise, strong troubleshooting and commissioning background, practical field and control panel experience, and a client-focused approach. We deliver reliable and cost-effective solutions while maintaining high engineering and safety standards.

Commitment

We are committed to delivering high-quality automation solutions that improve plant reliability, safety and operational efficiency. Our goal is to build long-term partnerships with our clients by providing dependable engineering support and value-driven automation services.

Mirza Kamran

Project Manager

Mobile +966 50 2370 179

E-mail kamran@zmbksa.com

Website www.zmbksa.com