



CAPABILITY STATEMENT

INDUSTRIAL CONTROLS & AUTOMATION SERVICES

Project-Based | Contract | Troubleshooting | Startup | Remote Support

BM Industrial Controls & Automation LLC

Provides practical, project-based controls and automation support for manufacturers, system integrators, OEMs, and electrical contractors. Services include new development, existing-system modifications, troubleshooting, commissioning, modernization, documentation, data collection, and overflow programming support.

CONTROLS DEVELOPMENT

PLC Programming & Logic Development

Complete PLC programs for new and existing equipment, sequence changes, and software migration using ladder logic, structured text, and function block diagram.

HMI Development & Operator Interface Design

New HMI development, screen revisions, alarm handling, diagnostics, operator-interface improvements, and system integration.

Industrial PC-Based Controls

Development, integration, and support of industrial PC-based control systems, runtime environments, and applications interfacing with plant-floor equipment.

Controls Troubleshooting & Diagnostics

Onsite testing and diagnosis of PLCs, I/O, controls, and communications. Experience: 480 VAC three-phase, 240 VAC single-/three-phase, 120 VAC single-phase, and 24 VAC/DC.

Controls Checkout & Startup

Onsite and remote controls checkout, diagnostics, functional testing against agreed operating requirements, and startup support.

Controls Hardware Selection Support

Compatible hardware selection support based on application requirements, existing architecture, manufacturer specifications, and project constraints, subject to customer approval.

Custom PLC/HMI & Motor-Control Panels

Custom PLC/HMI and motor-control panels: component selection, assembly, wiring, programming, testing, and supporting drawings and documentation. Supplied for installation and field wiring by others. UL listing is not included; project specifications and certification requirements are reviewed before quotation.

INTEGRATION & TECHNICAL SUPPORT

Industrial Communications

Configuration, integration, and troubleshooting of communications connecting controllers, operator interfaces, drives, remote I/O, and field devices.

Historian, Data Logging & Trending

Historian configuration, data logging, trending, alarm/event history, and practical data collection for troubleshooting and operational review.

Drives, I/O & Field Devices

VFD communications and feedback integration, signal mapping, parameter support, and field-device diagnostics.

Program & I/O Documentation

Program documentation, I/O lists, operating descriptions, software backups, and drawing updates recording customer-approved changes.

Automation Utilities, Upgrades & Retrofits

Software utilities, PLC/HMI migration, customer-requested program changes, diagnostics, and functional testing during upgrades to existing equipment.

Automation Hardware Supply & Procurement

PLCs, I/O, HMIs, drives, power supplies, industrial communications hardware, instrumentation, and related controls components supplied for BM Controls projects or customer-directed requirements.

PROJECT & CONTRACT SUPPORT

- Project-based controls development
- Troubleshooting and system recovery
- Controls checkout and startup support
- PLC/HMI migration and retrofit software support
- Integrator and OEM overflow programming
- Electrical contractor automation support
- Remote programming and diagnostics
- Legacy and unfamiliar system evaluation

PLATFORMS & SYSTEMS EXPERIENCE

Experience includes Rockwell Automation, Phoenix Contact PLCnext, CODESYS, WAGO, Eaton, AutomationDirect, Weintek, and other industrial controls platforms.

PROJECT SCOPE

BM Controls provides controls programming, configuration, integration, troubleshooting, commissioning support, documentation, component supply, and the custom cabinet services described above. Professional engineering, licensed electrical work, or other regulated services remain with the customer or appropriately qualified parties unless separately arranged and legally authorized.

BRADLEY MATHEWS | Founder / Owner / Managing Member

Hands-on controls experience spanning electrical documentation, PLC/HMI programming, industrial PC-based controls, commissioning, troubleshooting, controls upgrades, data acquisition, and field startup.

Professional Affiliation: Bradley Mathews — Professional Member, International Society of Automation (ISA)

BM INDUSTRIAL CONTROLS & AUTOMATION LLC

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bmcontrolsautomation.com

Based in East Texas | Regional onsite and nationwide remote support