

OUR CAPABILITIES

PLC & HMI PROGRAMMING

MANUFACTURING
PEACE OF MINDSM

DELIVERS **FULL-SERVICE PLC AND HMI INTEGRATION**
TO HELP MANUFACTURERS MODERNIZE, SCALE, &
STREAMLINE OPERATIONS.

Why Choose Axis?

Expertise That Goes Deep

Our engineers bring specialized knowledge in PLC and HMI systems across leading platforms. We don't just implement automation; we master it.

Agile, Responsive Support

Unlike larger firms, Axis Engineering moves fast. We adapt quickly to your needs, provide hands-on support, and deliver solutions without red tape or delays.

Cross-Platform Knowledge

We are fluent across legacy and modern systems, ensuring seamless transitions and upgrades.

PLC Programming

Programmable Logic Controllers (PLCs) provide precise control over automated processes. Our engineers have decades of experience with Allen-Bradley PLCs and other leading platforms.

CAPABILITIES

- **Custom PLC programming**
 - Ladder logic, Structured text, Function block
- **HMI Development** for real-time monitoring and control
- **Communications** across protocols
 - EtherNet/IP, Modbus, Profibus, OPC-UA
- **Integration** with SCADA systems and MES platforms
- Plant floor-to-cloud connectivity
- Python Scripting, SQL, C++
- **Legacy System Migrations & Upgrades**
- **Real-Time Monitoring** – Integrated diagnostics and status tracking
- **On-Site and Remote** Troubleshooting & Optimization

PLC EXPERIENCE

- Allen-Bradley (ControlLogix, CompactLogix, Legacy)
- Mitsubishi (FX, Q, iQ-R series)
- Siemens (S7 series, TIA Portal)
- OMRON

The Human Side of Automation: HMI Programming

Despite misconceptions, automation doesn't eliminate the human role—it **elevates it**. Skilled professionals are essential to monitor, calibrate, and maintain these intelligent systems. We design **intuitive, operator-friendly interfaces** that simplify control and monitoring.

CAPABILITIES

- **Custom Interface Design** – Clear layouts for fast operator adoption
- **Organized Navigation** – Minimized screens to access critical functions
- **Integrated Diagnostics** – Alerts, error messages, and troubleshooting tools
- **Seamless PLC Integration** – Real-time updates synchronized with PLCs

HMI EXPERIENCE

- Ignition by Inductive Automation
- Wonderware / AVEVA InTouch
- Allen-Bradley Factory Talk View ME & SE
- Siemens WinCC
- Mitsubishi GOT

INDUSTRIES SERVED

- Food & Beverage
- Automotive & Tier 1 Suppliers
- Specialty Equipment & OEM
- Printing & Packaging
- Manufacturing
- Surface Mining
- Chemical
- Plastics
- And Many More

Ready to Enhance Your Automation?

Contact Us Today.

