Your Guide to Industrial Automation

Hargrove Controls & Automation is CSIA certified and one of few multi-service automation groups in the country for plant automation, safety systems, the process safety lifecycle, industrial OT cybersecurity, machine safety, panel design & fabrication, and industrial digitalization. The team consists of process control engineers, programmers, certified process safety engineers, certified functional safety engineers, panel builders, and instrumentation designers specializing in DCS/PLC/SIS system integration/migration, SIS (Safety Instrumented Systems) Integration, Process Control Networks (PCN) design, OT, Industry 4.0 digitalization, and cybersecurity.

Hargrove Controls & Automation is part of the Hargrove Team of Companies that includes a full-service EPC (engineering, procurement, construction management) firm , life sciences firm, and technical services firm. We have the large company capabilities and the small company responsiveness to streamline turnkey projects, reduce risk, and deliver sustainable results for our energy generation, manufacturing, government, and industrial clients.

Vendor Platforms

Hargrove is vendor agnostic. Because we do not represent or distribute any specific brand or manufacturer of HMI or Historian products, we are able to determine the best solution for each project. Our Teammates have extensive experience evaluating, integrating, customizing, and troubleshooting multiple industrial control solutions and integrating different platforms using common communication protocols like Modbus and EthernetIP.

Process Safety Team

Our TÜV Rheinland Certified Process Safety Team has a thorough understanding of industry best practices and has experience in all phases of the safety lifecycle to customize safety solutions to create a safe, secure, and compliant facility. Our Team designs and implements safety systems for the process industries that adhere to client and ANSI/ISA standards.

Panel Fabrication

Our certified UL 508A industrial, in-house panel fabrication and staging facility has the the capability of designing and building to a client's specific needs. The Panel Fabrication and Controls & Automation Teams are tightly integrated to provide a seamless design process and complete solution. We guarantee quality workmanship and have experience with PLC/DCS panels, AC/DC drive panels, breaker control panels, process instrumentation panels, preparing documentation including drawings and manuals, pneumatic and electric controls, control room consoles, terminal boxes, and acceptance testing. With expertise in both new and retrofitted cabinets and consoles, the Hargrove Team will work to understand your best interests and build the right sized panel that are safe and reliable.

Platform Experience

- **DCS** – Honeywell TPS/TDC & Experion, Emerson DeltaV, Yokogawa, Siemens PCS7, ABB Ability 800xA & Freelance, Bailey, Emerson Ovation, MOD300, Rockwell PlantPAx, Foxboro, NovaTech D/3, Metso
- **PLC** – Rockwell Allen Bradley, Siemens S7 & TIA Portal, Modicon, ABB, Omron, GE, B&R, Honeywell
- **HMI** – Rockwell FactoryTalk View and Optix, Siemens WinCC and TIA Portal, AVEVA InTouch and System Platform (Wonderware), GE Proficy, Cimplicity and iFix, Inductive Automation Ignition
- **I/O** – Traditional, HART, ASi Bus, PROFIBUS, PROFINET, DeviceNet, Foundation Fieldbus, Modbus, Modbus TCP, EtherNet/IP
- **SIS** – HIMA, Triconex, Quadlog, Yokogawa, Prosafe, DeltaV SIS, Siemens, Triplex, Rockwell Logix for SIL2 & GuardLogix, Honeywell Safety Manager & FSC
- **Plant Historian** – AVEVA (OSI) PI and (Wonderware) Historian, AspenTech, InfoPlus.21, Rockwell FactoryTalk Historian, Siemens SIMATIC Historian, GE Proficy, dataPARC, SQL, AWS
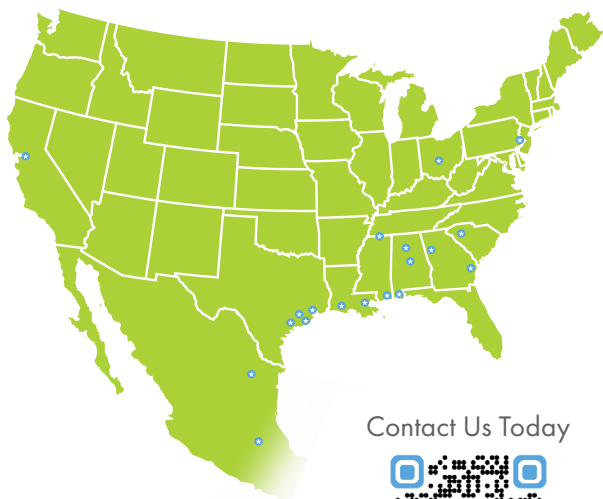
Controls & Automation Services

- Controls Upgrades & Modifications
- Turnkey Projects
- S88 Batch Programming
- Startup & Commissioning Services
- Smart Instrumentation (SPI/INtools, AVEVA) database administration & development for projects, consulting, and training
- On-call Support Services and Embedded Staff to Supplement Your Automation Team
- GAMP, GMP, and Related Software Development Life Cycle Experience
- Robotics for Assembly Line & Packaging
- Customized Training
- Process Hazard Analysis, SIL Calculations, Safety Requirements Specification, & SIS Logic Solver Programming
- Process IT Services including Wireless, LAN, Routing, Domain & Server Implementation and Maintenance, Security Audits
- Automation Projets of any size including MAC Services & System Staging Projects
- Custom Machine Design solutions
- UL Certified Panel Fabrication Facility capable of design and construction

Where We Serve

Hargrove is headquartered in Mobile, AL, with 19 regional US offices and two international offices. Our project offices and site-based teams are deployed where our clients need us most. Hargrove is situated to provide rapid response and face-to-face support to the people in the industries we serve.

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