ACS specializes in designing, fabricating and installing control systems to minimize downtime and accommodate future modifications and expansion. To keep operations functioning at peak performance, we provide thorough training for customer operations and maintenance personnel.

Depending on customer preferences and requirements, ACS provides single-source turnkey delivery of control systems, as well as independent services to complement the customer’s internal efforts. Services include design, fabrication, installation, and commissioning of industrial controls and electrical distribution panels for all types of applications.

EXPERTISE YOU CAN COUNT ON

Our fundamental understanding of both building and process systems provides a platform to deliver building facility controls, operator interface and communication with process systems, and the simplicity and robust design of a PLC or data acquisition system that the owner operates and maintains. ACS provides control panels interfaced to third-party equipment as well as ACS-procured field devices.

Our engineers, technicians, and CAD designers are experts in the design, development, fabrication, installation, management, and maintenance of equipment used to monitor and control machinery and processes. This includes controls for:
- Machinery and Equipment
- Facility Automation
- Industrial Processes
- Life Safety Systems
- HVAC

PLC Programming Platforms
ACS has experience with many commercially available PLC platforms including:
- Allen-Bradley
- Siemens
- GE
- Mitsubishi
- Schneider Electric
- WAGO
- Pilz
- HydraForce
- Horner

UNDERSTANDING YOUR REQUIREMENTS

At the start of every control system project, we make sure we completely understand your unique process requirements and desired results. This includes assessing your production, ergonomic, and health and safety needs, to help ACS deliver the intuitive, flexible, and reliable controls and instrumentation system solutions that maximize your investment.
INSTRUMENTATION & CONTROLS SERVICES

AUTOMATION CONTROL SYSTEM SUPPORT SERVICES

Design Services
- System Architecture
- Process & Instrumentation Diagrams (P&IDs)
- System Control Sequence
- Instrumentation List – I/O Index
- Wiring Schematic
- General Arrangements/Panel Layout
- Software Application
  - Application programming logic
  - HMI/GUI application development & screens
  - VFD configuration
  - Servo drive configuration
- Operations & Maintenance (O&M) Plans

ACS MANUFACTURING & SITE SERVICES

The ACS manufacturing facility in Middleton, Wisconsin includes a comprehensive UL listed panel shop to handle control system builds for industrial facilities, processes, and machinery and equipment. Our flexibility in design, procurement, production, and assembly enables us to adapt seamlessly to the needs of each client and application.

Fabrication Services:
- Procure Control Panel Components
- Procure Field Devices
- Panel Build
- Control Panel Checkout/ Factory Acceptance Testing (FAT)

Installation Services:
- Develop Contractor Scope of Work
- Manage Onsite Controls Contractors

Commissioning Services:
- Control Device Checkout
- Device Calibration
- Control Loop Tuning
- Software Application Verification
- Customer Acceptance Testing

O&M Support Services
- Education and Training
- PLC Upgrades

ACS is a total source provider of fully integrated facility, equipment, and controls solutions. We specialize in the comprehensive design, construction management, integration, and commissioning of R&D and production facilities for the energy, transportation, and industrial markets. We design and build custom equipment and engineered solutions, ranging from a single, stand-alone system to multiple integrated systems.

Visit our website for more information on our services and capabilities as well as industry news:

www.acscm.com

ACS LOCATIONS:

ACS Headquarters
Middleton, WI

Regional Offices
Greenville, SC
Troy, MI