



"Aces Automation, Inc. does the right thing, the first time. And they show up...always. They don't just deliver. They OVER deliver."

— WILLIAMS ENERGY



**The Right Team.
The Right Solution.
The First Time.**



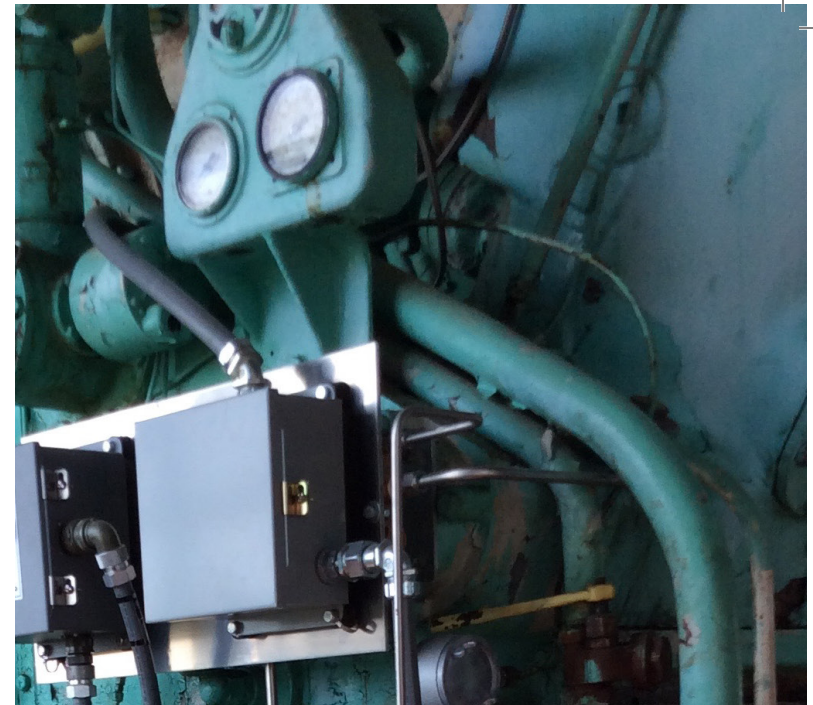
505.326.2424



AcesAutomation.com



901 Cillessen Court
Farmington, NM 87401



**Recognized leaders in control systems integration,
migration and automation services.**



Aces – Is a leader in the provision of Control Systems Integration, Migration and Design services to industries that include oil and gas, water/wastewater, irrigation, and mining as well as manufacturing and other private, local and federal entities. With a senior staff that boasts over 125 years of combined experience, Aces has a unique mastery of both aging systems and modern automation. Aces's reputation as creative problem solvers and the team's "boots on the ground" approach have created lasting client relationships based on trust, integrity and reliability. Headquartered in Farmington, New Mexico, Aces serves clients across the United States.

OUR SERVICES:

Design

Aces takes tremendous pride in delivering projects on time and on budget. We provide comprehensive project quotes with no hidden costs and with the highest efficiencies built-in.

Industries We Serve:

Oil & Gas
Water Treatment
Mining
Coal Treatment &
Flyash Handling

Integration & Migration

Aces works with our clients' teams in developing solutions for integrating, migrating, or automating control systems. We'll describe benefits in terms of asset investment protection, increased reliability, and reduced risk.

Management & Support

The engineers and systems designers of Aces bring decades of experience to your projects, ensuring seamless migration or automation. Our clients trust and rely on us to prioritize their needs in greenfield development, designing and implementing economical solutions to complex problems, and being there in crisis situations in real time.

"Aces and integrity go hand in hand. They act like a young and hungry organization even though they are established and successful in our industry. They are a critical team member and their team delivers."

– GARLAND STONE, TRESTLES LLC





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ACES Automation, Inc.

tel: 432.530.1545

website: AcesAutomation.com

Delivering Results, Reliability and Rock Solid Dependability

DISCIPLINES.....

ACES primary focus is in electrical, instrumentation, controls, SCADA, and computer systems.

ELECTRICAL

- 600 VAC power distribution
- DC power systems
- Typical electrical design include:
 - Power
 - Lighting
 - Grounding

INSTRUMENTATION & CONTROLS

- Electronic & pneumatic designs
- Typical design include:
 - Data sheets
 - Wiring
 - Tubing schematics
- Control system wiring and panel design

SPECIALTY SYSTEMS

- SCADA systems
- Fire & Hazardous gas detection

DRAWINGS—using AutoCAD

- Produce quality drawings for
 - Construction
 - On-Site records
 - Maintenance & troubleshooting
- Our Design team can produce
 - Electrical drawings
 - Instrumentation drawings
 - Control drawings
 - Termination drawings
 - P&ID drawings
- Professional Engineer drawing review & stamp available

CONTROLS & SCADA

ACES specifies and designs Control and SCADA systems utilizing PLC's, PAC's, DCS, PC-based control and RTU's.

NETWORKING AND COMMUNICATIONS

- EthernetIP, Networks
- DH+, RIO, Modbus, ControlNet Networks
- Fiber Optic Systems
- Design, Implementation and Support

PROJECT TYPES.....

ACES provides designs for the following types of facilities:

- Oil & natural gas gathering & treatment
- Pipeline pumping and compressor stations
- Engine and Turbo machinery control systems
- Water and wastewater systems
- Pulp and Paper
- Manufacturing

TYPICAL SERVICES.....

- Rockwell PLC based Tank Sales Management/Control system
- Communications & host systems
 - Rockwell Automation
 - Schneider Electric
 - ACP Thin Client
 - Ignition SCADA
 - Wonderware
 - GE Proficy iFix
- Software system programming:
 - Develop point list database for design and programming
 - Develop control narratives
 - Develop Ladder logic, FBD, structured text and IEC SFC Code
- Panel fabrication for the control and SCADA system hardware
- Functional Acceptance Testing for hardware and software at ACES
- Checkout/startup assistance
- Remote and onsite site support
 - Monitoring
 - Troubleshooting and service
 - Upgrades and modifications

PROJECT MANAGEMENT.....

ACES has an integrated management system that we introduce into every project.

- Manage the entire project from conceptual design to installation
- Scope development for budgeting, design and construction
- Budgeting for funding (including material and equipment, engineering and administration, construction labor and material)
- Engineering and Design
- Scheduling
- Procurement and fabrication
- Application software development
- Functional acceptance testing
- Construction monitoring and inspection
- Project documentation/closeout

- OEM equipment skid controls
- MIGRATION of Obsolete control components such as turnkey Allen Bradley PLC5® & SLC500® to ControlLogix®
- HMI migrations such as RSVIEW32® to FactoryTalk View SE®



Our Team is well versed in the many facets of natural gas facilities and their respective design requirements. Together we have completed a wide range of designs throughout the continental United States for some of the largest companies in the world. Our engineering and technical talent pool is deep and available to meet your needs with innovative, time saving, and cost-effective solutions.

PROJECT TYPES

- Grading & Drainage
- OEM Equipment Skid Controls
- Oil & Natural Gas Gathering & Treatment
- Pipeline Pumping, Metering & Compressor Stations
- Stream Restoration, HDD & Pipeline Lowering



DESIGN SERVICES

- Alignment Sheets - Blue Sky
- Compressor Stations
- Emergency Backup Generators
- Emergency Shut Down Systems
- Fugitive Emission Studies
- Gas Equipment
- Gas Quality
- Interconnects
- Material and Construction Specs
- Meter Stations
- Permitting
- Piping and Instrument Diagrams
- Plats and Easement Drawings
- FEED Studies



DISCIPLINES

- Civil
- Drafting and Modeling
- Electrical
- Environmental
- Instrumentation & Controls
- Mechanical
- Networking & Communications
- Structural