



THE SHAW GROUP



INTEGRATION AND AUTOMATION

CONTACT

info@theshawgrp.com

+1 281-671-9854

theshawgrp.com



Shaw



Integration and Automation

Shaw's ability to provide integration and automation services facilitates a complete turnkey solution.

Integration Services

Shaw's team of specialized craftsmen mount tubes, pipe, and wire to perform factory acceptance testing for turnkey systems, including:

- Prepackaged analyzer systems
- Continuous emissions monitoring systems (CEMS)
- Analyzer data acquisitions systems (DAS)
- Control and safety instrumented systems
- Modular enclosure shelters, control rooms, e-houses
- Motor control center buildings
- UL508 general purpose or hazardous location panels
- Remote instrument enclosures (RIEs)

Automation Services

Shaw offers automation engineering and design services that cover the entire project lifecycle starting from FEED to detailed engineering, configuration, integration, testing, startup, and commissioning for the following types of projects:

- PLC, HMI, DCS programming
- Burner management and fuel gas systems (BMS)
- MAC/MEC services
- Control and safety instrumented systems
- Process control system configuration and programming
- Power distribution and generation systems

Field Services

Shaw provides both analyzer technicians and instrument and control specialists to assist with your on-site needs:

- Analyzer technician installation supervision, startup, and commissioning
- Maintenance of existing process analyzer systems and CEMS for short-term and long-term support
- Field audits and assessments of existing analyzer systems
- Field retrofit, refurbishment, and replacement of obsolete and decommissioned analyzer systems

- Electrical installation
- Instrument installation
- HSE support and safety compliance
- PLC, DCS, HMI programming support
- Material and energy balance optimization
- Advanced process control and control tuning
- Functional safety lifecycle management, auditing, and support services
- IT and cyber security assessments and fortification
- Procurement/material logistics support
- Maintenance
- Calibration and repairs
- General staffing – onsite services
- Subcontractor management support

