

A photograph of an industrial refinery or chemical plant at sunset. The sky is a mix of orange, red, and purple. Several tall, dark smokestacks are visible, some with twisted metal exteriors. The plant itself is a complex of metal structures, pipes, and scaffolding, with many lights glowing from within. The overall scene is industrial and dramatic.

BEST FIT SOLUTIONS



WHO WE ARE

Our experience in diverse industries and collaboration with numerous manufacturers allow for application of best-fit solutions. This expertise drives our design and engineering to achieve the safest, highest performing, lowest cost of ownership, and most robust analytical system solutions.

WHAT WE DO

Applied Controls Systems Integration focuses on the total Analyzer System from the sample point to sample return. We can design, engineer, build, start-up, train and service on-line continuous analyzer systems-from wall mounted units to complete shelter houses.

FIELD SERVICE, INSTALLATION & CALIBRATION

With experienced and trained service staff, Applied Controls can provide reliable and cost effective field service and support of your equipment for the life of your system. We can manage the complete installation and start-up, then take you through the certification process by performing audits and submitting agency reports. We have the experience to execute and manage each step in the start-up process to get you on-line in a timely and efficient manner.

CONTROLS AND ELECTRICAL DESIGN

- Logic Diagrams
- Cause & Effect Diagrams
- P&ID (Piping and Instrumentation Diagrams)
- PFD (Piping & Flow Diagrams)
- Wiring Schematics
- Panel & Skid Layout Drawings
- Conduit and/or Cable Gland System Design

STRUCTURAL

- Spool Takeoffs/Isometric and General Arrangement Drawings
- Panel & Skid Assembly and Fabrication
- Enclosures (NEMA & ATEX)

ACSI EQUIPMENT AND SERVICES AVAILABLE

- CEMS System Design and Fabrication
- EPA 40 CFR 75 and EPA 40 CFR 60 Systems
- Data Acquisition and Handling Systems
- Installation, Start-up and Certification Procedures
- QA/QC Programs, Training and Quarterly Audits
- Service & Maintenance
- Replacement Parts
- Ongoing Operation Maintenance
- HAZOP Participation
- Programming of PLCs and HMIs
- Instrument Specifications to ISA Standards
- Acceptance Testing, Both Factory and On-Site



SAMPLE TRANSPORT & CONDITIONING

Our philosophy for a completely integrated system starts at the sample probe and ends at the sample return. Low MTBF begins with a well-designed sample conditioning system. Flow rate control, temperature control, high pressure, multi-stream, reference standards, and alarm systems are only some of the considerations.

SHELTER HOUSES AND ENCLOSURES

From small portable enclosures to walk-in shelter houses, ACSI can integrate any size job. General purpose or hazardous area, NEC, IEC, or ATEX packaging. We can develop your specification or build to your specification. All components are installed both inside and outside. Electrical interfaces are in a single, simple to connect location with distribution pre-wired. All utilities are pre-plumbed.

KEY DESIGN FEATURES:

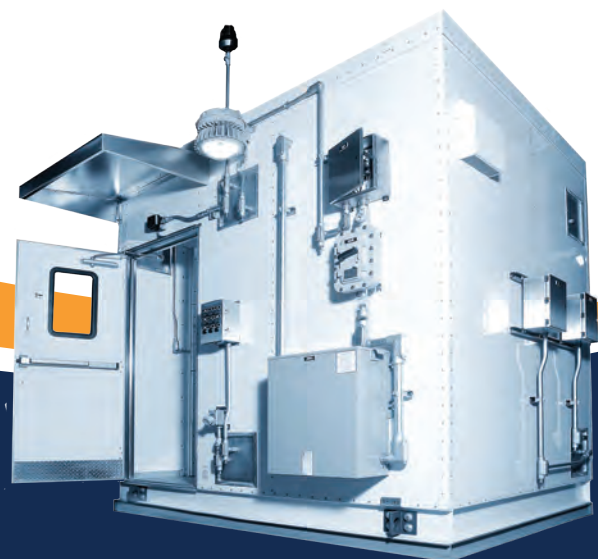
- NEC, IEC/ATEX Compliant
- GP or Hazardous Areas
- Pre-Wired and Plumbed
- Easy Access Panels
- HVAC
- Fiberglass, Metal or Concrete Houses

KEY DESIGN OPTIONS:

- Pre-installed Bottle Racks
- Utility Gas Regulators
- Step-Down Transformers
- Pressurization Systems
- Utility Headers



Typical Fiberglass Shelter House



Typical Metal Shelter House

OUR BACKGROUND

Applied Controls Systems Integration founded in 1995, because of feedback from clients expressing the need for complete analytical systems knowledge. Our clients rely on our knowledge to aid the performance and reduce or eliminate downtime from any weak area of the analytical system.

Our approach is to listen to customer needs and deliver a design meeting or exceeding their expectations. Experience in Refining, Chemical, Cement, Power has given ACSI the background to deal with the most challenging applications from corrosive, high dust loading, temperature, polymerization to hazardous area compliance.



FACILITY DESIGN FEATURES

- 2.5 Acres (Secured Perimeter)
- 26,000 Square Foot Manufacturing Facility
- Entire Building Climate Controlled
- Instrument Grade Air
- 25 Ft. 10 Ton Bridge Crane
- 480 VAC Electrical Service
- ISO 9001:2008 Certified
- Training Facility (Accommodates Up To 30 Persons)
- Live Streaming F.A.T.



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