

FEED - Front End Engineering Design

Project Development Services



Initial Project Development



Our in-house and multi-discipline engineering staff provides front end engineering (FEED) studies as a critical first step in the implementation and success of process analytics projects in various industries. Our goal is to provide our clients with a value-added and efficient package that works best for their application.

FEED studies play a vital role in the success of a plant upgrade/modification or grassroots project. Taking your conceptual project plans and a focus on return-on-investment (ROI), we will create a complete project scope that includes detailed cost analysis, best-fit technical solutions, expected time frame for completion, and a complete set of detailed drawings and supporting information.

Applied Controls is unique in its project-approach as we are not "bound" to any specific equipment manufacture. We truly provide our clients with a "best-fit solution" based solely on your specific needs and application.

STUDY DELIVERABLES:

- Reporting of recommendations for analyzers, sample conditioning systems, sample transport systems, sample acquisition equipment, analyzer shelter and communications.
- A complete written project specification for each analyzer system required.
- Drawings to include, but not limited to: analyzer shelter layout, equipment layout (interior and exterior), calibration gas specification, BOMs, shelter anchor to cement pad(s), field utility connection(s), flow diagram(s), sample umbilical(s), sample probe/return/RATA port installation, sample probe utility connections, sample probe P&ID, data communication diagram(s).
- ISA data sheets for all major equipment on customer letterhead.

ADVANTAGES

- Applied Controls has over 75 years of combined experience in Sample Systems for all types of analytical measurements; including Gas Chromatography, moisture, etc.
- We can utilize any manufacturer's equipment that proves to be the best fit technology for the application needs.
- Our Engineering Staff are Sample System experts. We design your analytical systems from Sample Point to Return, covering everything in between.
- Our dedicated Service Engineers ensure our customers receive second to none support for all commissioning and on-demand service needs.

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 is focused 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.

WHAT WE OFFER

- Environmental/Process Analyzer System Integration
- Analyzer System Engineering
- Sample Conditioning Systems
- Enclosure/Shelters
- F.A.T. Live Streaming
- Start-up/Commissioning/Training
- Field Service and Calibration
- Complete Turnkey Systems

VALUE-ADDED

- Technical Support
- Installation and Setup
- Maintenance
- Warranty

For more information on any of our products or services please visit us at: Analyzer-Systems.com

