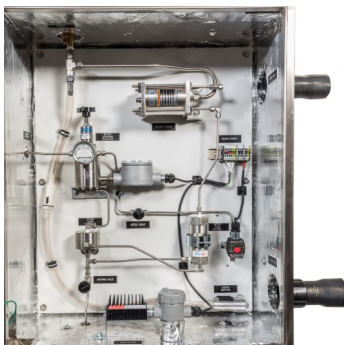


# Chemical Industry

## Fertilizer



### Analytical Solutions for the Ammonia Process



Applied Controls has years of experience in the Fertilizer Industry, particularly in the processing of Ammonia. We commit a great deal of time, effort, and resources staying current with the latest information regarding adjustments in NH<sub>3</sub> processing, along with the latest technologies available to ensure the best practices for process control. Many Ammonia facilities have original sample conditioning systems and mass spectrometers that were installed over 25 years ago. Many of these sample conditioning systems particularly on wet streams were poorly designed and as a result affected analysis performance. Applied Controls has proven designs to ensure a quality/repeatable ongoing analysis.

#### TYPICAL MEASUREMENT POINTS

##### **WET STREAMS**

- Primary Reformer
- Secondary Reformer
- High Temperature Shift (HTS)
- Low Temperature Shift (LTS)

##### **DRY STREAMS**

- Inlet Feed
- CO<sub>2</sub> Absorber
- Methanator
- Converter Inlet
- Converter Outlet
- Recovered Hydrogen Unit

#### 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](http://Analyzer-Systems.com)

