



Lumia Technologies

REGENERABLE DESULFURIZATION TECHNOLOGIES

Upstream Production, Natural Gas, Refinery Processing, Fractionators & Splitters
Biogas, Landfill Gas, Ammonia Plants, Syngas and Custom Applications

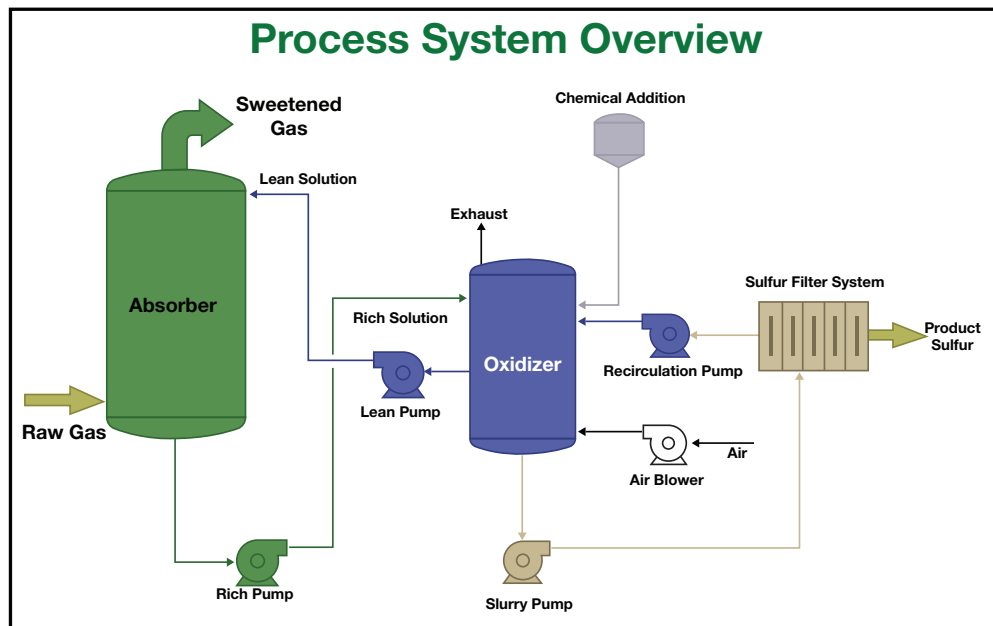
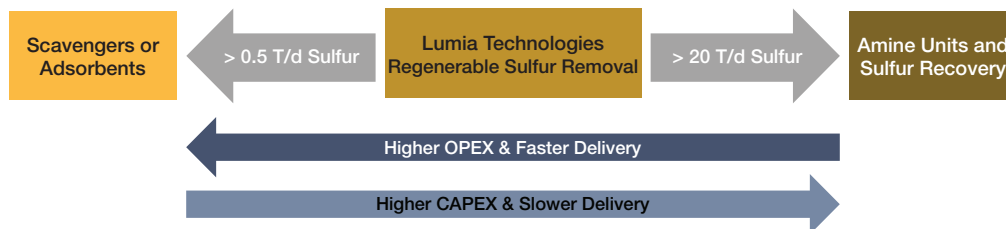


REGENERABLE DESULFURIZATION TECHNOLOGIES

Oil & Gas, Biogas, Landfill Gas, Syngas, and Custom Applications

Lumia Technologies is a consulting & technology provider for desulfurization worldwide. Whether it is gas processing, oil production, oil refining, NGL fractionation, LNG production, biogas or landfill gas, our solutions have a direct impact on profitability, performance and environmental compliance. All of our desulfurization systems and products have been carefully designed and tested in a number of key applications. Each product has been thoroughly verified for performance, cost, and compatibility. Our tailored solutions consist of:

- Reduced capital expenditure and lower operating costs
- Flexibility to cope with changes in gas volume and hydrogen sulfide content
- Effective treatment of gases with low hydrogen sulfide concentrations
- Product revenue from saleable solid sulfur
- Suitability for low- and high-pressure (<450-psig) applications



THE TECHNOLOGY

Regenerable sulfur removal system designs are at the core of our products and solutions. Every system is modular, compact, and low-cost and is carefully selected for specific applications based on a number of parameters for enabling improved H₂S removal reliability and performance.

DATA DRIVEN

Every custom application that utilizes our products undergoes a rigorous evaluation prior to processing acid gas. In key instances we perform laboratory bench tests to validate performance. Data driven results drive continuous improvement in our chemical processes and technologies.

OPERATIONAL COSTS

Mitigating operational costs are a vital component of maximizing Return On Investment (ROI). We strive to achieve the lowest operating cost in the industry with the highest process performance. Our H₂S removal systems have the lowest \$/MT of sulfur removed in the entire industry.

CONSULTING SERVICES & TECHNICAL SUPPORT

Oil & Gas, Biogas, Landfill Gas, Syngas, and Custom Applications

We are a team of seasoned experts from multiple industries that provide consulting and technical support for each system. We help our clients with troubleshooting, onsite testing, system optimization, process training, and laboratory analysis to ensure efficient operation.

The paramount focus when using our desulfurization systems and products is treatment costs and reliability. Different applications often require different materials and systems designs. Every facility might have different needs, and for this is the reason we have several different options available.

Having built and operated these systems, Lumia Technologies professionals understand that time is money. We mobilize quickly and deploy resources to client sites to help keep clients profitable.



APPLICATIONS SUPPORT

Each of our mechanical components and chemical products needs to be reviewed for correct utilization. Our field engineering team is dedicated to application support, thereby ensuring the right results and use for our products. Having expert field support is central to our mechanical solutions.

TURN-KEY SYSTEMS

Before any of our desulfurization technologies and systems are deployed and operated, we evaluate the process application and economic considerations carefully for delivering the results and performance.

We also provide turn-key skidded systems because we understand that every application can demand different designs and system configurations. Our systems can be from repurposed parts or new built equipment depending on the specific requirements. These options can offer alternatives to lower costs and shorten delivery times.

CONSULTING SUPPORT

We are global specialists in gas processing and oil refining. Our consulting group can provide expert assistance related to your facility.

INVENTORY & SUPPLY

Ensuring product inventory and supply is a critical component. We use monitoring technology and demand algorithms to ensure product supply.

ONSITE SUPPORT

Our field engineering team often times engage the facility directly by providing onsite support for our products and also for any other need that facility may have.

CONTACT

For more information and details on any of our desulfurization technologies, solutions or services, visit our website at: www.Lumia-Technologies.com

Lumia Technologies

SERVICES AVAILABLE

PROCESS CONSULTING | EXPERT TECHNICAL SERVICES | APPLICATION SUPPORT
ONSITE TROUBLESHOOTING | FEASIBILITY STUDIES | OPTIMIZATION PROGRAMS
LABORATORY TESTING | ONSITE SUPPORT | PERFORMANCE GUARANTEE



+1 (832) 510-8191



Lumia Technologies
A Nexo Solutions Division
25003 Pitkin Road, Suite A100
The Woodlands, Texas 77386 USA



support@Lumia-Technologies.com

www.Lumia-Technologies.com