

Engineering Services for Installing, Moving or Upgrading Gas Supply and Storage Systems

When installing or modifying complex industrial gas storage and supply systems, there is little room for error. Improper planning, design, or project execution could lead to production delays, reduced performance, higher costs, and most importantly, serious safety hazards.

If you need to install a new gas supply system or relocate or upgrade existing systems, engineers from Air Products can provide technical expertise and project management skills that can help you complete such projects safely and on time, regardless of their size. We've honed our knowledge and abilities at thousands of customer installations worldwide.

Whether you plan on increasing production capacity, enhancing your manufacturing throughput, or changing operating parameters, Air Products engineers can provide a variety of consulting services for both cryogenic liquid and bulk compressed gas systems. From design and installation of a new supply system to redesign and installation of a safety relief system on an existing storage tank, we can help.

Take advantage of Air Products' safety expertise

Many industrial gases have physical properties that present potential dangers to employees, property, and the community if not addressed properly. Air Products is passionate in its commitment to safety. Our engineers have extensive knowledge of the applicable National Fire Protection Association and other codes that must be considered during design and installation. They can also help you obtain local and state permits.

After your system is installed or upgraded, we can provide relevant product safety training upon request. In addition to safety training, Air Products can provide both start-up and refresher operator training.

Benefit from our tools and procedures

With decades of hands-on experience, Air Products engineers bring a disciplined, systematic approach to each installation or upgrade. We combine sophisticated engineering tools with documented work processes to design and install efficiently and accurately.



"We can help you design and install safe storage and supply systems on time."

**Mark Pedersen
Regional Engineer
Air Products**



Realize potential cost reductions

We can also help identify potential cost savings by evaluating your current and future needs and then recommending a system that meets your production or distribution requirements. For example, we can help you determine a cost-efficient storage tank size. Why pay excess delivery charges due to a tank that is too small? Or unnecessarily vent product and invest more capital due to an oversized tank? We can also help you avoid costly shutdown or production interruptions.

Free up your time

Outsourcing the design and installation of your storage and supply systems to Air Products can relieve you of the time commitment that these projects often require. While you attend to critical day-to-day operations, Air Products engineers can oversee your project, alleviating the additional pressure of meeting construction deadlines.

Call us

If you're thinking about increasing your production capacity, changing operating parameters, or re-locating equipment, call us at 1-800-224-2724. Ask your customer service representative to connect you with one of our engineers. You can trust Air Products to help you deliver the purity, pressure, and volume of gas where you need it, when you need it.

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tell me more
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Some Customer Problems Resolved by Air Products' Engineering Services

Relocating existing storage systems

Problem: A metals company in Tennessee planned to expand its manufacturing facility, but its existing nitrogen and hydrogen storage vessels were in the way. The firm could not afford to shut down operation to relocate the tanks.

Solution: Air Products engineers planned and managed relocation of these vessels, without any supply interruption.

Responding to emergencies

Problem: A major manufacturing company accidentally ruptured its high-pressure house-line due to construction. Production was halted.

Solution: Within hours, Air Products had mobilized engineering and construction personnel to design and install temporary vaporizers and storage tanks that were sourced from our national inventory of parts and vessels. The customer continued to make repairs while using our temporary system to maintain production.

Increased supply capacity

Problem: An engine services plant in Ohio was installing a new piece of equipment that required both hydrogen and oxygen, but the existing vaporization capacity of their supply system was inadequate.

Solution: Air Products increased the vaporization capacity on both storage tanks to meet the new requirements. The upgrade was coordinated with scheduled maintenance on the customer's hydrogen tank, saving additional time and money.