

# Air Products Express Services (APEX)



## Short-term or emergency hydrogen supply



### Focus on safety

At Air Products, we take pride in our outstanding safety record. On average, the operators of our mobile hydrogen pumping unit have over 15 years of experience with the system. Our APEX hydrogen services are engineered for safety, with features that include:

- Self-contained pressure control systems with purge connections to the mobile vent stack
- Minimal venting
- Pressure relief protection
- Remote shutdown
- HAZOP reviewed
- NFPA compliant
- Trained technicians with extensive Safety Council certifications
- Safety training for your engineers, operators and supervisors

In today's competitive environment, you can't afford to be without hydrogen—but you may not want to expand your plant just to meet intermittent supply needs. Or perhaps you need a backup hydrogen source. APEX Hydrogen Services offers fast and flexible temporary supply of high-quality hydrogen to help keep you online—saving you time and money.

### Flexible supply options

From tube trailers to vaporized liquid supply to our patented Cryogenic Hydrogen Compressor (CHC) mobile liquid supply system, we offer a full spectrum of supply options for planned or unplanned reformer outages, peak shaving, production trials and plant commissioning. Whether you need hydrogen for three days or six months, from 100,000 to 5 million cubic feet/day, up to 5,000 psi, we can recommend a solution to meet your flow rate, pressure and duration requirements.

### Fast service helps minimize downtime

Call our **1-800-APEX-GAS** hotline **24/7** for a quick commitment. As the world leader in hydrogen supply, we can draw on our extensive infrastructure of strategically located hydrogen plants to respond rapidly. Typically, we can start supplying your hydrogen needs within 24 hours of arriving at your site.

## Proven performance

In the early 1960s, Air Products pioneered the use of large volumes of hydrogen for the space program in collaboration with the U.S. Air Force, and we developed the concept of liquid hydrogen pumping systems in the 1970s. Since then, we have enjoyed a long and successful history of providing spot liquid hydrogen service for refineries and chemical plants for both planned and unplanned needs. Many customers have asked us to support their needs year after year—we will gladly provide a reference list upon request. We do what it takes.

### We can provide hydrogen backup for your:

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Ultralow-sulfur diesel hydrotreater (ULSD)

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Ultralow-sulfur gasoline hydrotreater (ULSG)

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Isomerization unit

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Benzene saturation unit

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Spot chemical applications

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Hydrogen fuel cell applications

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Aerospace applications

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Power applications

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Research and development needs

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Submarine/rocket launch tube pressurization

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Food processing applications

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### For more information:

To place an order or learn more about how APEX Services can help you maintain production, call our experienced team of customer service representatives and technical specialists **24/7** at **1-800-APEX-GAS** (1-800-273-9427).

### Corporate Headquarters

7201 Hamilton Boulevard  
Allentown, PA 18195-1501  
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Our proprietary mobile Cryogenic Hydrogen Compressor (CHC) liquid supply system uses specialized delivery trailers and is professionally commissioned on your site. Depending on your requirements, our advanced system can provide a cost-effective, reliable supply mode to keep your operation online and productive.



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