

KnowH₂owSM Hydrogen Safety Services

Hydrogen fuel cells are poised to rapidly penetrate the transportation and power generation industries in the coming years. While hydrogen is used in many industrial applications and as a fuel in the space industry, this will be the first application for hydrogen as a commercial fuel or fuel intermediate. As fuel cell technology adoption accelerates, consumer use of hydrogen fuel is expected to grow. That's why our industry needs to be committed to the safe design and operation of all fuel equipment systems incorporating hydrogen.

Benefit from our years of hydrogen experience

So, what can be done? Over the last 50 years, Air Products has grown with customers small and large to become the technology leader and the world's biggest producer of merchant hydrogen. We offer a wide range of safety and engineering services as your partner in this new endeavor. You can immediately benefit from our years of expertise and experience in designing, engineering and, operating hydrogen facilities, and distributing hydrogen.

Safety is paramount

Air Products, also has an unsurpassed safety record in the safe handling of hydrogen and other gases. We have earned more safety-related awards than any other industrial gas company. We enthusiastically assume the important role of supporting the fuel cell technology community in the safe use of hydrogen. Count on us to help you work safely and responsibly.

Our service support is flexible to your needs

At Air Products, we understand that each customer has a different level of safety experience and, therefore, has different service support needs. Naturally, we offer you tremendous flexibility in the different types of service we can provide for hydrogen fuel cell technology. This allows us to maximize the value we bring to your designs and operation. Our diverse services include:

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Using KnowH₂owSM hydrogen safety services offers you an opportunity to consult with Air Products' safety experts at any time.



KnowH₂owSM Safety Services

- **Hydrogen Safety Training**—Modular design safety training course with customized options available
- **Equipment and Operational Review**—Safety review of hydrogen equipment and its operation
- **On-site System Audits**—On-site detailed safety analysis of the complete system and its operation
- **Safety Consultation**—Consultation with Air Products' safety experts for specific needs
- **Safe Operating Procedures**—Development or review of specific operational procedures for laboratory, testing, or commercial operation
- **Operational Readiness Inspections (ORIs)**—Operational check of each component of the system before start-up.
- **Emergency Response Training**—Training for ER personnel within your own organization or local responders required for permits.

We find that customer on-site system audits offer invaluable information to help us design custom hydrogen safety programs.



For more than 50 years, Air Products has been helping customers to reduce costs, increase productivity and improve product quality through innovative industrial gas supply and applications technology. Air Products will be happy to assist you in meeting your fuel cell or hydrogen gas needs.

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