Focusing on hydrogen energy

Hydrogen energy will be the fuel of the future. It is renewable, abundant, efficient, and—unlike other alternatives—free of emissions. Hydrogen energy usage is in its early stages. Challenges to its widespread adoption include integrating systems, creating a fueling infrastructure and gaining consumer acceptance.

Air Products can meet these challenges. No one knows hydrogen like we do, nor has anyone else spent as much time as we have in developing hydrogen as a fuel. We are already working with OEMs for automotive and other consumer products, equipment manufacturers, and commercial users to demonstrate and test hydrogen's benefits. We're actively involved in fuel cell and internal combustion applications by partnering with industry and government. With our extensive infrastructure, we can help to meet your current hydrogen energy needs while we are developing the technology necessary to support widespread adoption of hydrogen energy for tomorrow.

We are a global leader in hydrogen experience and resources

- **Complete hydrogen energy systems**
  With systems such as vehicle fueling stations, from concept through installation, we provide one of the most economical ways to meet your requirements
- **Hydrogen supply** We have the infrastructure to support your supply needs, including:
  - On-site generation by reforming and electrolysis
  - Delivery by liquid or compressed gas trailers
  - Delivery in portable, packaged systems
- **KnowH₂ow™ Safety Training** We'll educate your team on safe handling, properties, design and operation of hydrogen energy-based systems and more
- **Safe operation** Due to our design expertise and HAZOP analysis
- **High system reliability** Thanks to our superior system design and expert operations and maintenance services

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We are driving the effort toward making hydrogen energy a reality

- **Leading developer of hydrogen energy services and equipment and vehicle fueling stations**
- **Principal participant in initiatives to make direct hydrogen economically viable, e.g., hydrogen reforming and generation, storage technologies**
- **Active and knowledgable member of codes and standards development committees**
A word about hydrogen safety

Air Products has an unsurpassed safety record in the production, storage, handling, and distribution of hydrogen and other gases. We’ve earned more safety-related awards than any other industrial gas company and have enthusiastically assumed a leadership role in supporting the hydrogen fuel technology community in the safe use of hydrogen. Count on us to help you work as safely and responsibly as possible.

About Air Products

We started small and we started nearly 60 years ago. Our company was the vision of Leonard Pool, who grew the business by really understanding what his customers wanted from hydrogen and other industrial gases. Our growth has been fueled by an ongoing dedication to technical innovation and strong business management.

Today we’re a nearly $6 billion company with 17,000 employees in 30 countries, making chemicals, gases, and related equipment, but the same principles apply. We’ve grown by building lasting relationships with our customers. We pride ourselves on being able to help our customers reduce costs, increase productivity, and improve product quality through innovative industrial gas supply and application technology.

Air Products is the world’s largest supplier of merchant hydrogen. As an industry leader in hydrogen safety engineering and the global leader in hydrogen production and distribution, we are the sole provider of liquid hydrogen for America’s Space Shuttle missions. We are in the forefront of developing hydrogen fueling stations for clean transportation applications and the technologies and systems for hydrogen purification, generation, and handling. Through participation in demonstration projects in the United States and Europe, we are working to bring low-cost distributed hydrogen production technologies to the marketplace to support development of exciting new hydrogen energy applications.

Let’s work together to bring hydrogen another step closer to becoming the energy of the future.

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