

The on-site gas solution for your peace of mind



Guaranteed to meet your on-site generated gas needs

For customers who depend on reliable and competitive gas supply to run their operations, we dedicate our resources (financial, human, know-how, equipment) to deliver the most adapted on-site gas supply solution. From initial investment to daily operation, **we take everything in hand including installation, operation and maintenance, telemonitored performance tracking, full back-up.** Through our total commitment and full support service, you can count on us every day, anywhere, to meet your gas requirement.

In the early 1990s we pioneered the full service offer built around on-site generation and are now running more than 4,500 on-site systems worldwide. Proud of our 30 years of experience in a wide range of industry sectors backed by the century-long Air Liquide expertise with gases, we understand the unique nature of your needs and bring you the most adapted supply service.

Acting as the world leader in gases, technologies and services for Industry and Health, we constantly innovate thanks to more than 1,000 researchers in 8 main R&D centers across the world to make sure we provide you with state of the art material delivering performance.

O_2

Oxygen

N_2

Nitrogen

H_2

Hydrogen



FLOXAL™ in numbers

- More than 4,500 on-site systems running 24/7 service
- Over 30 years experience with on-site
- Worldwide market share over 25%

The Air Liquide promise

When working with Air Liquide, you benefit from the strength of a global group, mastering all aspects of industrial gases, and from the capacity of its local teams to meet your specific needs.

Flexible supply, consistent quality

We can adapt our partnership with you as your needs evolve thanks to our complete range of products and solutions. Whether you need to upgrade to a larger capacity plant or trim down to cylinder or bulk supply over time, the Air Liquide team will help you switch from one solution to the other as needed.

Take advantage of the Air Liquide technological powerhouse

When you choose Air Liquide FLOXAL™, you are sure to be equipped with state-of-the-art generators as we keep the operation technology up to date on our entire fleet, including existing systems already installed. You are also guaranteed to benefit from our century-long expertise and know-how in gas generation and from the support and continuous innovations from our engineers.

We rigorously assess all the equipment we design and operate through our Industrial Risk Management system

 Air Liquide has developed a fully integrated quality system with a special focus on safety, respect of the environment and reliability. Our Industrial Management System (IMS) is inspired from best practices of TQM and Six Sigma and is our method to ensure Air Liquide operates in a way that:

- focuses on safety of production operations and distribution,
- maintains compliance with regulations,
- respects the Air Liquide Group manufacturing procedures,
- improves reliability of our production processes.

A dedicated solution customized to meet the specific requirements of your industry



Materials & Energy

- Mining
- Oil & Gas
- Waste recycling
- Glass manufacturing
- Iron & Steel
- Pulp & Paper
- Metal product transformation
- Non-ferrous metal refining
- ...



Food & Pharma

- Pharmaceutical industry
- Beverages
- MAP
- Fine chemicals
- Cosmetics
- Edible oil processing
- Wine and spirits
- ...



Automotive & Fabrication

- Heat treatment services
- Automotive parts and modules
- Aeronautics
- Tire curing
- ...



Technology & Research

- Electronic Components & Products
- Optoelectronics (LED)
- Solar materials
- Fiber optics
- ...

What FLOXAL™ means for you



APSA-S — Air Liquide's best in class on-site nitrogen supply system

Because you need reliable gas supply to run your operations, **we guarantee a convenient worry-free on-site solution**, so that you can focus on your business:

- Continuous and reliable gas supply- Guaranteed performance
- Adequate bulk back-up storage
- Full support: installation, operation and maintenance handled by Air Liquide
- Air Liquide expertise in risk management
- Tele-monitored performance tracking and assurance via networks of Alarm Response Centres



VSA — the most productive on-site gaseous oxygen generation technology

Because you need to be competitive to grow in your market, we provide you with **a cost-efficient solution**:

- Full system invested by Air Liquide, reducing your financial risk
- Reliable supply at a predictable cost with a long term commitment
- Best-in-class, designed to cost, energy-efficient generators
- Environment-friendly solutions thanks to minimized road transport and liquid delivery



HYOS-R — state-of-the-art mid-range on-site hydrogen generator via steam reforming

Because you need gas supply **adapted to your unique needs, we deliver**:

- Full product range - adaptable to accommodate customer required specifications
- Gas available whenever you need it
- On-spec gas purity, flow profile, and pressure
- Flexible evolution of size and mode of supply to follow unexpected changes in demand

FLOXAL™ in brief

The **FLOXAL™** offer covers the supply of gas generated at your site - using plants invested, operated and maintained by Air Liquide - to meet your demand specifications, with full back-up and guaranteed performance.

Three molecules are offered under the **FLOXAL™** brand:

 **nitrogen**  **oxygen**  **hydrogen**

For each molecule, various generation technologies are used to ensure your satisfaction at a competitive price.

Air Liquide's Industrial Merchant Business Line delivers industrial gases and innovative solutions, including application technologies, equipment and services. From independent professionals to large industrial companies, our 33,500 employees serve over 2 million customers daily across 75 countries. They use their unmatched business and technical capabilities to develop gas solutions that boost the performance of industries and help them to increase product quality, unlock greater competitiveness and minimize the environmental footprint of their manufacturing processes.

Contact us

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The world leader in gases, technologies and services for Industry and Health, Air Liquide is present in 80 countries with approximately 67,000 employees and serves more than 3 million customers and patients.