

Air Liquide to expand and electrify its oxygen facility in Shaanxi, supporting China's commitment to decarbonize its industry

Air Liquide will invest approximately 25 million euros to revamp its Air Separation Unit (ASU) in Yulin, Shaanxi Province, a key industrial hub in China. As part of a contract extension with a subsidiary of the Yangchang Group, this revamping will immediately enable a reduction of the unit's CO₂ emissions and will offer a greater oxygen production capacity. This major project illustrates Air Liquide's decarbonization approach, which has already electrified [two facilities in Tianjin](#), in line with the Chinese 2030/2060 carbon peaking and carbon neutrality goals.

In the context of a long-term contract extension, Air Liquide will invest approximately 25 million euros in order to revamp its ASU in Yulin, Shaanxi Province, a key industrial hub in China. The existing steam-driven ASU will be converted to a more efficient electricity-driven system, allowing for an **immediate reduction in CO₂ emissions of 224,000 tonnes per year**. By leveraging **low-carbon energy sourcing** gradually from the start of the plant, the **total annual CO₂ emissions reduction will reach 550,000 tons**.

In addition, following the upgrade, the ASU's **oxygen capacity will be increased by 10%**. This future production unit powered by electricity is expected to be operational at the end of 2027. In the meantime, the Group will ensure the continuity of services and supply to the customer.

The contract was signed in Beijing, during the visit of Emmanuel Macron, President of the French Republic to contribute to the 2030/2060 carbon peaking and carbon neutrality goals of China.

Air Liquide has established since 2008 a **long-term partnership with the Yangchang Group** by supplying gas to its subsidiary Kaiyue.

Ronnie Chalmers, Air Liquide Group Vice President, in charge of supervising Asia Pacific, commented: **"We are thankful for the continued trust from Yanchang Petroleum Group, a valued partner for almost two decades. This investment underscores Air Liquide's commitment to grow and reduce the carbon emissions of its operations while contributing to its customers' decarbonization journey with tailored solutions. The shift towards reducing carbon emissions is an ongoing movement in China, and our company is proud to be actively supporting it while managing to grow."**

Air Liquide in China

Air Liquide in China operates more than 140 plants and employs nearly 5,600 employees. With a strong presence in the key coastal industrial areas, Air Liquide is now expanding into the center, south and west. Its main business activities include industrial and medical gas operations, Engineering & Construction, advanced technologies, as well as R&D activities by Innovation Campus Shanghai.

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Air Liquide is a world leader in gases, technologies and services for industry and healthcare. Present in 60 countries with approximately 66,500 employees, the Group serves more than 4 million customers and patients. Oxygen, nitrogen and hydrogen are essential small molecules for life, matter and energy. They embody Air Liquide's scientific territory and have been at the core of the Group's activities since its creation in 1902.

Taking action today while preparing the future is at the heart of Air Liquide's strategy. With ADVANCE, its strategic plan, Air Liquide is targeting a global performance, combining financial and extra-financial dimensions. Positioned on new markets, the Group benefits from major assets such as its business model combining resilience and strength, its ability to innovate and its technological expertise. The Group develops solutions contributing to climate and the energy transition — particularly with hydrogen — and takes action to progress in areas of healthcare, electronics and high technologies.

Air Liquide's revenue amounted to more than 27 billion euros in 2024. Air Liquide is listed on the Euronext Paris stock exchange (compartment A) and belongs to the CAC 40, CAC 40 ESG, EURO STOXX 50, FTSE4Good and DJSI Europe indexes.