



Southern Africa

Facts

The world leader in gases, technologies and services for Industry and Health

Air Liquide Southern Africa Facts



Air Liquide started its business in South Africa over 60 years ago and today employs an estimated 750 people in over 20 sites. We are also present in Botswana, Namibia, Mozambique and Swaziland, with another estimated 55 employees.

Air Liquide supplies industrial gases, specialty gases and related services to the steel, automotive & fabrication, food & beverage, mining, petrochemical, pharmaceutical and glass industry customers. It also supplies medical gases through a network of many state and private hospitals as well as solutions and services to home based patients. Air Liquide production facilities are situated in the 3 main industrial hubs of South Africa, in Gauteng, KwaZulu-Natal and the Eastern/Western Cape, with branches strategically located to serve its customers. Air Liquide recently invested in a state-of-the-art specialty gas filling plant in Johannesburg, developed with the latest Group technology, which will ensure that its customers receive high specialty gas mixtures. Air Liquide has been active in other parts of Africa as well for more than 60 years and is the fastest growing industrial gas company on the African continent.

Significant investments over the past decade include large oxygen production units in eMalahleni, plus increased production in Richards Bay, as well as the largest argon production plant in Sub-Saharan Africa and several CO₂ recovery plants. This has culminated in the most significant investment to date which is the conclusion of a build-and-operate agreement with Sasol to supply 5,000 tons of oxygen per day to their Secunda Plant for the manufacture of synthetic fuels. Currently the World's largest Air Separation Unit.

1



ENGINEERING & CONSTRUCTION

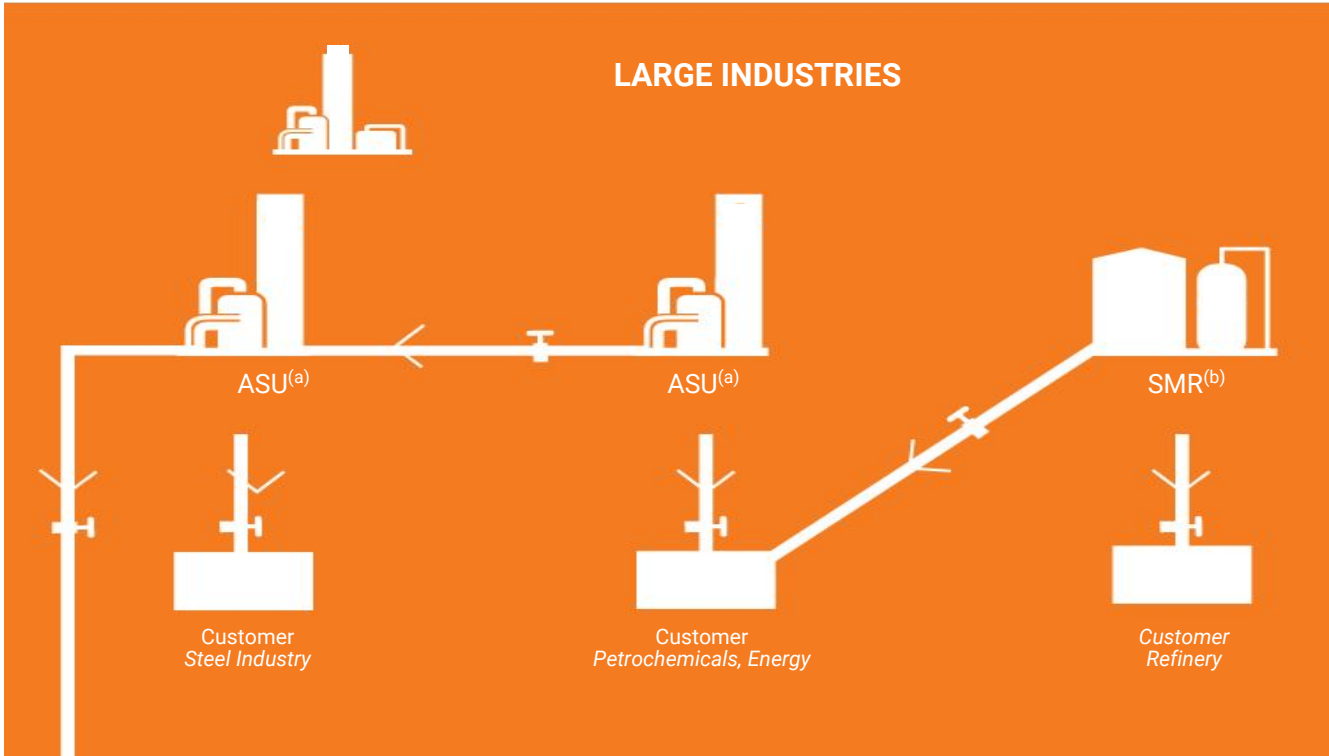


Self-producing customer

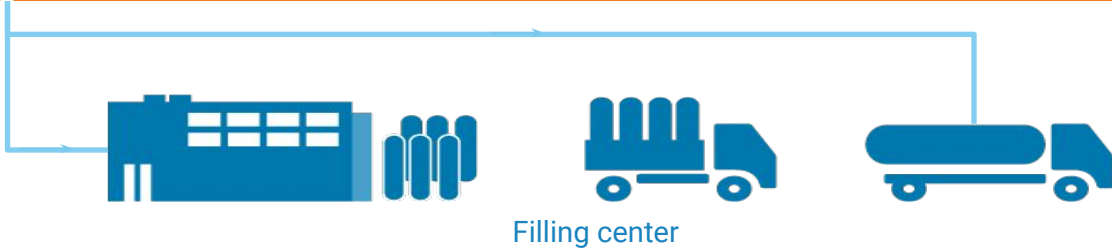
Raw Materials: Air Natural gas Electricity



2



3



INDUSTRIAL MERCHANT

Cylinders Bulk On-site^(c)

Sectors served
Materials, Construction, Automotive, Food, Pharmaceuticals, Research, Technology, Craftsmen

HEALTHCARE

Hospital Home healthcare

Healthcare activities
Medical gases for hospitals, home healthcare, hygiene, specialty ingredients

Air Liquide has been growing the same business - gases for industry and health - for more than 100 years. This business is organised into several activities that are linked by an industrial logic, a source of synergies and optimisation.

A three-stage development model

Engineering and Construction designs, engineers and constructs leading-edge processing facilities and related infrastructure. We have an engineering center in South Africa, located in Johannesburg.

Large Industries produces industrial gases for the metals, petrochemicals, refining and energy markets. The gases are delivered by pipeline. By interlinking its plants within the large industrial basins, the Group improves its performance and optimizes its production costs.

Industrial Merchant supplies industrial gases, specialty gases and related services to the steel, automotive & fabrication, food & beverage, mining, petrochemical, pharmaceutical and glass industry customers.

Air Liquide Healthcare was established in 2003 and is BBEE compliant (Level 3). It uses an infrastructure at the Alrode facility which includes on-site facility for the production of medical gases and provision of medical services. We supply Healthcare professionals with treatments and solutions that contribute to our mission for protecting vulnerable lives.

VitalAire, also Level 3 BBEE, has over 20 years of proven experience in providing medical oxygen and respiratory equipment throughout South Africa. We specialize in innovative products and personalized care programs to help take care of patients suffering from respiratory diseases. We make your transition from hospital to home safe and provide support for you to maintain your independence.

(a) ASU: Air separation unit

(b) SMR: Hydrogen and carbon monoxide production unit (Steam Methane Reformer)

(c) On-site: Small local production unit

South Africa Main Offices

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VitalAire (HO)
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Welding
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Southern Africa Offices

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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 65,000 employees and serves more than 3.5 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 company's activities since its creation in 1902. Air Liquide's ambition is to lead its industry, deliver long term performance and contribute to sustainability. The company's customer-centric transformation strategy aims at profitable growth over the long term. It relies on operational excellence, selective investments, open innovation and a network organization implemented by the Group worldwide. Through the commitment and inventiveness of its people, Air Liquide leverages energy and environment transition, changes in healthcare and digitization, and delivers greater value to all its stakeholders. Air Liquide's revenue amounted to 20.3 billion euros in 2017 and its solutions that protect life and the environment represented more than 40% of sales. Air Liquide is listed on the Euronext Paris stock exchange (compartment A) and belongs to the CAC 40, EURO STOXX 50 and FTSE4Good indexes.