

Air Separation Plant Market by Process (Cryogenic, Non-cryogenic), Gas (Nitrogen, Oxygen, Argon), End-Use Industry (Iron & Steel, Oil & Gas, Chemical, Healthcare), and Region (North America, APAC, Europe, RoW) - Global Forecast to 2028

<https://marketpublishers.com/r/AE4BA034C91EN.html>

Date: June 2023

Pages: 285

Price: US\$ 4,950.00 (Single User License)

ID: AE4BA034C91EN

Abstracts

The air separation plant market is projected to grow from USD 5.4 billion in 2023 to USD 6.8 billion by 2028, at a CAGR of 4.6% from 2023 to 2028. Industries are being forced to invest in dependable and effective air separation systems by stringent government laws and safety standards connected to the use of industrial gases. The air separation plant market is expanding due to restrictions regarding gas purity, storage, and transportation.

“By process, the cryogenic segment is estimated to be the fastest-growing segment of the air separation plant market from 2023 to 2028.”

Based on the process, cryogenic is estimated to be the fastest-growing segment during the forecast period. Industrial gases like oxygen, nitrogen, and argon can be produced on a massive scale by using cryogenic air separation. The cryogenic technique makes it possible to separate and purify air components effectively, assuring a steady supply of gases in large numbers. Cryogenic air separation technology has advanced recently, increasing energy effectiveness, better process control, and purer generated gases. These technological developments increase the appeal of cryogenic air separation plants to industries, increasing demand.

“By gas, the nitrogen segment is estimated to be the fastest-growing segment of the air separation plant market from 2023 to 2028.”

Based on gas, nitrogen is estimated to be the fastest-growing segment during the forecast period. Nitrogen is a highly demanded industrial gas due to its adaptability and variety of uses, which ensures a continual demand for nitrogen output from air separation plants. The oil & gas sector uses nitrogen for purging, cleaning, and enhanced oil recovery (EOR) procedures. Additionally, nitrogen is used in gas blanketing to shield equipment from corrosion and stop the creation of explosive combinations.

“By end-use industry, the iron & gas segment is estimated to be the fastest-growing air separation plant market segment from 2023 to 2028.”

Based on the end-use industry, the end-use industry is estimated to be the fastest-growing segment during the forecast period. The iron and steel industry routinely uses oxygen enrichment to increase combustion effectiveness and lower energy usage. Various steelmaking processes, including oxygen furnaces, oxygen converters, and ladle furnaces, all rely on oxygen. Air separation plants provide high-purity oxygen for use in various operations. The adoption of oxygen enrichment technologies drives the demand for air separation plants.

“The air separation plant market in the Asia Pacific region is projected to witness the highest CAGR during the forecast period.”

The Asia Pacific region is projected to register the highest CAGR in the air separation market from 2023 to 2028. The Asia Pacific region is known for its ongoing innovation and technological developments. Investments in air separation plants need to consider eco-friendly practices and technologies due to the region's growing emphasis on environmental sustainability and energy efficiency. Manufacturers of air separation plants in the area are investing in R&D to increase plant productivity, increase automation, and lower energy usage. These developments increase the appeal of air separation plants to industries, hence raising demand.

Profile break-up of primary participants for the report:

By Company Type: Tier 1 – 55%, Tier 2 – 30%, and Tier 3 – 15%

By Designation: C-level Executives – 21%, Directors – 23%, and Others – 56%

By Region: North America – 45%, Europe – 27%, Asia Pacific – 15%, South America – 7% , and Middle East & Africa – 6%

The air separation plant report is dominated by players such as Linde Plc (UK), Air Liquide SA (France), Air Products and Chemicals, Inc. (US), Taiyo Nippon Sanso Corporation (Japan), Messer Group GmbH (Germany), Daesung Industrial Co., Ltd. (South Korea), Air Water Inc. (Japan), Enerflex Ltd. (Canada), Yingde Gases Group Co., Ltd. (Hong Kong), Inox Air Products Private Limited (India), Hangzhou Hangyang Co., Ltd. (China), Universal Industrial Gases, Inc. (US), Nikkiso Cosmodyne, LLC. (US) and others.

Research Coverage:

The report defines, segments, and projects the air separation plant market size based on process, gas, end-use industry, and region. It strategically profiles the key players and comprehensively analyzes their market share and core competencies. It also tracks and analyzes competitive developments, such as acquisitions, agreements, contracts, divestment, expansion, investment, joint venture, mergers, and new product development undertaken by them in the market.

Reasons to Buy the Report:

The report is expected to help the market leaders/new entrants by providing them with the closest approximations of revenue numbers of the air separation plant market and its segments. This report is also expected to help stakeholders understand the market's competitive landscape better, gain insights to improve the position of their businesses and make suitable go-to-market strategies. It also enables stakeholders to understand the market's pulse and provides information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

Analysis of key drivers (growing demand for industrial gases from the dynamic manufacturing sector), restraints (high cost associated with fabrications, component assembly, and operations), opportunities (emerging application from glass, gasification, and gas to liquid industries), and challenges (development of affordable as well as effective technologies) influencing the growth of the air separation plant market.

Product Development/Innovation: Detailed insights on upcoming technologies,

research & development activities in the air separation plant market.

Market Development: Comprehensive information about lucrative markets – the report analyses the air separation plant market across varied regions.

Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the air separation plant market.

Competitive Assessment: In-depth assessment of market shares, growth strategies, and service offerings of leading players like Linde Plc (UK), Air Liquide SA (France), Air Products and Chemicals, Inc. (US), Taiyo Nippon Sanso Corporation (Japan), Messer Group GmbH (Germany), among others in the air separation plant market.

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

1.3 INCLUSIONS & EXCLUSIONS

TABLE 1 AIR SEPARATION PLANT MARKET, BY REGION: INCLUSIONS & EXCLUSIONS

TABLE 2 AIR SEPARATION PLANT MARKET, BY GAS: INCLUSIONS & EXCLUSIONS

TABLE 3 AIR SEPARATION PLANT MARKET, BY PROCESS: INCLUSIONS & EXCLUSIONS

TABLE 4 AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY: INCLUSIONS & EXCLUSIONS

1.4 MARKET SCOPE

1.4.1 AIR SEPARATION PLANT MARKET SEGMENTATION

FIGURE 1 AIR SEPARATION PLANT MARKET: SEGMENTATION

1.4.2 YEARS CONSIDERED FOR THE STUDY

1.5 CURRENCY

1.6 LIMITATIONS

1.7 STAKEHOLDERS

1.8 SUMMARY OF CHANGES

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 2 AIR SEPARATION PLANT MARKET: RESEARCH DESIGN

2.1.1 SECONDARY DATA

2.1.1.1 Key data from secondary sources

2.1.2 PRIMARY DATA

2.1.2.1 Key data from primary sources

2.1.2.2 Companies participating in primary research

2.1.2.3 Key industry insights

2.1.2.4 Breakdown of primary interviews

2.2 BASE NUMBER CALCULATION

2.2.1 SUPPLY-SIDE APPROACH

2.2.2 DEMAND-SIDE APPROACH

2.3 MARKET SIZE ESTIMATION

2.3.1 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

2.3.2 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

2.4 RECESSION IMPACT

2.5 DATA TRIANGULATION

FIGURE 3 DATA TRIANGULATION METHOD

2.6 ASSUMPTIONS

2.7 RISK ASSESSMENT

3 EXECUTIVE SUMMARY

TABLE 5 AIR SEPARATION PLANT MARKET SNAPSHOT, 2023 & 2028

FIGURE 4 CRYOGENIC SEGMENT ACCOUNTED FOR LARGEST SHARE OF AIR SEPARATION PLANT MARKET IN 2022

FIGURE 5 NITROGEN SEGMENT DOMINATED AIR SEPARATION PLANT MARKET IN 2022

FIGURE 6 IRON & STEEL END-USE INDUSTRY COMMANDED MAJOR SHARE OF AIR SEPARATION PLANT MARKET IN 2022

FIGURE 7 ASIA PACIFIC TO RECORD HIGHEST GROWTH IN AIR SEPARATION PLANT MARKET FROM 2023 TO 2028

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN GLOBAL AIR SEPARATION PLANT MARKET

FIGURE 8 NEED FOR INDUSTRIAL GASES AND MEDICAL OXYGEN TO DRIVE MARKET GROWTH

4.2 ASIA PACIFIC AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY AND COUNTRY

FIGURE 9 CHINA ESTIMATED TO BE LARGEST AIR SEPARATION PLANT MARKET IN 2022

4.3 AIR SEPARATION PLANT MARKET, MAJOR COUNTRIES

FIGURE 10 ASIA PACIFIC TO OFFER LUCRATIVE GROWTH OPPORTUNITIES DURING FORECAST PERIOD

5 MARKET OVERVIEW

5.1 INTRODUCTION

FIGURE 11 GAS SUPPLY MODES

5.2 MARKET DYNAMICS

FIGURE 12 AIR SEPARATION PLANT MARKET DYNAMICS

5.2.1 DRIVERS

5.2.1.1 Growing demand for industrial gases from dynamic manufacturing sectors

FIGURE 13 GLOBAL STEEL PRODUCTION, 2016–2021

FIGURE 14 GLOBAL USERS OF CONSUMER ELECTRONIC PRODUCTS, 2016–2021

5.2.1.2 Increased demand from healthcare and medical applications

5.2.2 RESTRAINTS

5.2.2.1 High cost associated with fabrication and operation

5.2.3 OPPORTUNITIES

5.2.3.1 Transition to green technologies

5.2.3.2 Demand for industrial oxygen in Africa

5.2.3.3 Emerging applications in glass, gasification, and gas-to-liquid industries

5.2.4 CHALLENGES

5.2.4.1 Development of affordable and more effective technologies

5.2.4.2 Hazards associated with cryogenic air separation technology

5.3 PORTER'S FIVE FORCES ANALYSIS

FIGURE 15 PORTER'S FIVE FORCES ANALYSIS: AIR SEPARATION PLANT MARKET

TABLE 6 PORTER'S FIVE FORCES ANALYSIS: AIR SEPARATION PLANT MARKET

5.3.1 THREAT OF NEW ENTRANTS

5.3.2 THREAT OF SUBSTITUTES

5.3.3 BARGAINING POWER OF SUPPLIERS

5.3.4 BARGAINING POWER OF BUYERS

5.3.5 INTENSITY OF COMPETITIVE RIVALRY

6 INDUSTRY TRENDS

6.1 PATENT ANALYSIS

6.1.1 METHODOLOGY

6.1.2 PATENT PUBLICATION TRENDS

FIGURE 16 NUMBER OF PATENTS YEAR-WISE (2014–2022)

6.1.3 INSIGHT

6.1.4 JURISDICTION ANALYSIS

FIGURE 17 CHINA ACCOUNTED FOR HIGHEST PATENT COUNT DURING 2014-2022

6.1.5 TOP COMPANIES/APPLICANTS

FIGURE 18 COMPANIES/APPLICANTS WITH HIGHEST NUMBER OF PATENTS

6.1.5.1 Major patents

6.2 REGULATORY LANDSCAPE

TABLE 7 STANDARD DESIGN RECOMMENDATIONS FOR EQUIPMENT USED IN CRYOGENIC PROCESSES

6.2.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

6.3 KEY CONFERENCES AND EVENTS, 2023

TABLE 8 AIR SEPARATION PLANT MARKET: KEY CONFERENCES AND EVENTS

6.4 SUPPLY CHAIN ANALYSIS

FIGURE 19 SUPPLY CHAIN ANALYSIS OF AIR SEPARATION PLANT MARKET

TABLE 9 COMPANIES INVOLVED IN SUPPLY CHAIN OF AIR SEPARATION PLANT MARKET

6.5 VALUE CHAIN ANALYSIS

FIGURE 20 VALUE CHAIN ANALYSIS: MAXIMUM VALUE ADDED DURING MANUFACTURING PROCESS

6.6 CASE STUDY ANALYSIS

6.6.1 INDUSTRIAL

6.6.1.1 Hangzhou Hangyang Co., Ltd. helps Zhongxin Nenghua Technology Co., Ltd. to design deep cryogenic separation device

6.6.1.2 Linde plc agrees to supply nitrogen, oxygen, and compressed air to BorsodChem Zrt.

6.6.1.3 Air Products and Chemicals, Inc. to construct coal-to-methanol production facility in Indonesia

6.6.2 CHEMICAL

6.6.2.1 Air Liquide to provide gaseous oxygen, nitrogen, and syngas to Eastman Chemical Company

6.6.2.2 Air Products and Chemicals, Inc. announces buy-back of ASUs from Shanxi Jinmei Huayu Coal Chemical Co., Ltd.

6.6.3 FOOD & BEVERAGES

6.6.3.1 Linde plc supplies nitrogen and oxygen for MEGlobal's new ethylene glycol plant

6.6.4 GLASS & CERAMICS

6.6.4.1 Messer Group GmbH to construct air separation unit for Saint-Gobain Isover AG

6.6.5 ELECTRONICS & SEMICONDUCTOR

6.6.5.1 Linde plc to provide high purity on-site plants in Taiwan

6.6.5.2 Linde plc sets up high purity nitrogen generator for leading Chinese semiconductor manufacturer

6.6.5.3 Linde plc provides new air separation unit for Samsung

6.6.5.4 Air Products and Chemicals, Inc. sets up first cryogenic nitrogen separation

plant in Malaysia

6.6.6 HEALTHCARE

6.6.6.1 Air Liquide China builds ASU to meet increasing demand for medical gases

6.7 B2B MARKETING CHANNELS – COMPARATIVE ANALYSIS

TABLE 10 TYPES OF DISTRIBUTION CHANNELS

FIGURE 21 MARKETING CHANNELS USED BY COMPANIES IN AIR SEPARATION PLANT MARKET

6.7.1 CASE STUDY – LINDE PLC USES MULTIPLE MARKETING CHANNELS TO INCREASE FOOTPRINT

6.8 PARTNERSHIPS

FIGURE 22 GLOBAL PARTNER PRESENCE IN AIR SEPARATION PLANT MARKET

TABLE 11 PARTNER COMPANIES OF MAJOR AIR SEPARATION PLANT MANUFACTURERS

6.9 TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS

FIGURE 23 REVENUE SHIFT & NEW REVENUE POCKETS FOR AIR SEPARATION PLANT MANUFACTURERS

6.10 ECOSYSTEM

FIGURE 24 ECOSYSTEM MAP FOR AIR SEPARATION PLANT MARKET

6.11 TECHNOLOGY ANALYSIS

6.11.1 BASIC AIR SEPARATION PLANT COMPONENTS

6.11.1.1 Main Air Compressor (MAC)

6.11.1.2 Pre-purification Unit (PPU)

6.11.1.3 Cold box

6.11.1.4 Expander

6.11.2 CRYOGENIC DISTILLATION

6.11.3 PRESSURE SWING ADSORPTION

6.11.4 MEMBRANE SEPARATION

6.12 IMPORT & EXPORT TRADE ANALYSIS

FIGURE 25 GLOBAL TRADE ROUTES FOR AIR SEPARATION PLANTS

6.13 KEY STAKEHOLDERS AND BUYING CRITERIA

6.13.1 KEY STAKEHOLDERS IN BUYING PROCESS

FIGURE 26 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS OF TOP THREE END-USE INDUSTRIES

TABLE 12 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS OF TOP THREE END-USE INDUSTRIES (%)

6.13.2 BUYING CRITERIA

FIGURE 27 KEY BUYING CRITERIA, BY END-USE INDUSTRY

TABLE 13 KEY BUYING CRITERIA, BY END-USE INDUSTRY

7 AIR SEPARATION PLANT MARKET, BY PROCESS

7.1 INTRODUCTION

FIGURE 28 AIR SEPARATION PLANT MARKET, BY PROCESS, 2023 & 2028 (USD MILLION)

TABLE 14 AIR SEPARATION PLANT MARKET, BY PROCESS, 2016–2022 (USD MILLION)

TABLE 15 AIR SEPARATION PLANT MARKET, BY PROCESS, 2023–2028 (USD MILLION)

7.2 CRYOGENIC

7.2.1 INCREASING DEMAND FOR GASES FOR INDUSTRIAL ACTIVITIES TO DRIVE SEGMENT

TABLE 16 CRYOGENIC: AIR SEPARATION PLANT MARKET, BY REGION, 2016–2022 (USD MILLION)

TABLE 17 CRYOGENIC: AIR SEPARATION PLANT MARKET, BY REGION, 2023–2028 (USD MILLION)

7.3 NON-CRYOGENIC

7.3.1 COST-EFFECTIVENESS AND EASY START-UP FEATURES TO FUEL DEMAND

7.3.1.1 Pressure swing adsorption (PSA)

7.3.1.2 Vacuum pressure swing adsorption (VPSA)

7.3.1.3 Membrane separation

TABLE 18 NON-CRYOGENIC: AIR SEPARATION PLANT MARKET, BY REGION, 2016–2022 (USD MILLION)

TABLE 19 NON-CRYOGENIC: AIR SEPARATION PLANT MARKET, BY REGION, 2023–2028 (USD MILLION)

8 AIR SEPARATION PLANT MARKET, BY GAS

8.1 INTRODUCTION

FIGURE 29 AIR SEPARATION PLANT MARKET, BY GAS, 2023 & 2028 (USD MILLION)

TABLE 20 AIR SEPARATION PLANT MARKET, BY GAS, 2016–2022 (USD MILLION)

TABLE 21 AIR SEPARATION PLANT MARKET, BY GAS, 2023–2028 (USD MILLION)

8.2 NITROGEN

8.2.1 USE IN BLANKETING AND INERTING ACROSS MULTIPLE END-USE INDUSTRIES TO BOOST DEMAND

TABLE 22 NITROGEN: AIR SEPARATION PLANT MARKET, BY REGION, 2016–2022 (USD MILLION)

TABLE 23 NITROGEN: AIR SEPARATION PLANT MARKET, BY REGION, 2023–2028
(USD MILLION)

8.3 OXYGEN

8.3.1 RISING NEED FOR MEDICAL OXYGEN TO FUEL SEGMENT GROWTH

TABLE 24 OXYGEN: AIR SEPARATION PLANT MARKET, BY REGION, 2016–2022
(USD MILLION)

TABLE 25 OXYGEN: AIR SEPARATION PLANT MARKET, BY REGION, 2023–2028
(USD MILLION)

8.4 ARGON

8.4.1 WIDE USAGE IN INDUSTRIAL AND ELECTRONICS APPLICATIONS TO
DRIVE DEMAND

TABLE 26 ARGON: AIR SEPARATION PLANT MARKET, BY REGION, 2016–2022
(USD MILLION)

TABLE 27 ARGON: AIR SEPARATION PLANT MARKET, BY REGION, 2023–2028
(USD MILLION)

8.5 OTHERS

TABLE 28 OTHERS: AIR SEPARATION PLANT MARKET, BY REGION, 2016–2022
(USD MILLION)

TABLE 29 OTHERS: AIR SEPARATION PLANT MARKET, BY REGION, 2023–2028
(USD MILLION)

9 AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY

9.1 INTRODUCTION

FIGURE 30 AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2023 &
2028 (USD MILLION)

TABLE 30 AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2016–2022
(USD MILLION)

TABLE 31 AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2023–2028
(USD MILLION)

9.2 IRON & STEEL

9.2.1 HIGH CONSUMPTION OF GAS IN PRODUCTION PROCESS TO DRIVE
MARKET

TABLE 32 IRON & STEEL: AIR SEPARATION PLANT MARKET, BY REGION,
2016–2022 (USD MILLION)

TABLE 33 IRON & STEEL: AIR SEPARATION PLANT MARKET, BY REGION,
2023–2028 (USD MILLION)

9.3 OIL & GAS

9.3.1 USE OF INDUSTRIAL GASES FOR DOWNSTREAM AND UPSTREAM

PROCESSES TO BOOST SEGMENT GROWTH

9.3.1.1 Upstream

9.3.1.2 Downstream

TABLE 34 OIL & GAS: AIR SEPARATION PLANT MARKET, BY REGION, 2016–2022 (USD MILLION)

TABLE 35 OIL & GAS: AIR SEPARATION PLANT MARKET, BY REGION, 2023–2028 (USD MILLION)

9.4 CHEMICAL

9.4.1 RESURGENCE IN GLOBAL CHEMICAL INDUSTRY TO DRIVE DEMAND

TABLE 36 CHEMICAL: AIR SEPARATION PLANT MARKET, BY REGION, 2016–2022 (USD MILLION)

TABLE 37 CHEMICAL: AIR SEPARATION PLANT MARKET, BY REGION, 2023–2028 (USD MILLION)

9.5 HEALTHCARE

9.5.1 INCREASING CONSUMPTION OF MEDICAL GASES TO DRIVE SEGMENT

TABLE 38 HEALTHCARE: AIR SEPARATION PLANT MARKET, BY REGION, 2016–2022 (USD MILLION)

TABLE 39 HEALTHCARE: AIR SEPARATION PLANT MARKET, BY REGION, 2023–2028 (USD MILLION)

9.6 OTHERS

TABLE 40 OTHER END-USE INDUSTRIES: AIR SEPARATION PLANT MARKET, BY REGION, 2016–2022 (USD MILLION)

TABLE 41 OTHER END-USE INDUSTRIES: AIR SEPARATION PLANT MARKET, BY REGION, 2023–2028 (USD MILLION)

10 AIR SEPARATION PLANT MARKET, BY REGION

10.1 INTRODUCTION

FIGURE 31 GEOGRAPHIC SNAPSHOT: MARKET IN CHINA PROJECTED TO RECORD HIGHEST CAGR (2023–2028)

TABLE 42 AIR SEPARATION PLANT MARKET, BY REGION, 2016–2022 (USD MILLION)

TABLE 43 AIR SEPARATION PLANT MARKET, BY REGION, 2023–2028 (USD MILLION)

10.2 ASIA PACIFIC

10.2.1 ASIA PACIFIC: IMPACT OF RECESSION

FIGURE 32 ASIA PACIFIC: AIR SEPARATION PLANT MARKET SNAPSHOT

TABLE 44 ASIA PACIFIC: AIR SEPARATION PLANT MARKET, BY COUNTRY, 2016–2022 (USD MILLION)

TABLE 45 ASIA PACIFIC: AIR SEPARATION PLANT MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 46 ASIA PACIFIC: AIR SEPARATION PLANT MARKET, BY PROCESS, 2016–2022 (USD MILLION)

TABLE 47 ASIA PACIFIC: AIR SEPARATION PLANT MARKET, BY PROCESS, 2023–2028 (USD MILLION)

TABLE 48 ASIA PACIFIC: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2016–2022 (USD MILLION)

TABLE 49 ASIA PACIFIC: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

TABLE 50 ASIA PACIFIC: AIR SEPARATION PLANT MARKET, BY GAS, 2016–2022 (USD MILLION)

TABLE 51 ASIA PACIFIC: AIR SEPARATION PLANT MARKET, BY GAS, 2023–2028 (USD MILLION)

10.2.2 CHINA

10.2.2.1 Increasing steel production to spur market growth

TABLE 52 CHINA: AIR SEPARATION PLANT MARKET, BY PROCESS, 2016–2022 (USD MILLION)

TABLE 53 CHINA: AIR SEPARATION PLANT MARKET, BY PROCESS, 2023–2028 (USD MILLION)

TABLE 54 CHINA: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2016–2022 (USD MILLION)

TABLE 55 CHINA: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

10.2.3 JAPAN

10.2.3.1 Demand for industrial gases from manufacturing sector to drive market

TABLE 56 JAPAN: AIR SEPARATION PLANT MARKET, BY PROCESS, 2016–2022 (USD MILLION)

TABLE 57 JAPAN: AIR SEPARATION PLANT MARKET, BY PROCESS, 2023–2028 (USD MILLION)

TABLE 58 JAPAN: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2016–2022 (USD MILLION)

TABLE 59 JAPAN: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

10.2.4 INDIA

10.2.4.1 Growing metal and construction industries to fuel market growth

TABLE 60 INDIA: AIR SEPARATION PLANT MARKET, BY PROCESS, 2016–2022 (USD MILLION)

TABLE 61 INDIA: AIR SEPARATION PLANT MARKET, BY PROCESS, 2023–2028

(USD MILLION)

TABLE 62 INDIA: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2016–2022 (USD MILLION)

TABLE 63 INDIA: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

10.2.5 SOUTH KOREA

10.2.5.1 Increasing use of electronic appliances to drive demand

TABLE 64 SOUTH KOREA: AIR SEPARATION PLANT MARKET, BY PROCESS, 2016–2022 (USD MILLION)

TABLE 65 SOUTH KOREA: AIR SEPARATION PLANT MARKET, BY PROCESS, 2023–2028 (USD MILLION)

TABLE 66 SOUTH KOREA: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2016–2022 (USD MILLION)

TABLE 67 SOUTH KOREA: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

10.2.6 AUSTRALIA & NEW ZEALAND

10.2.6.1 Demand from iron & steel and healthcare industries to contribute to market growth

TABLE 68 AUSTRALIA & NEW ZEALAND: AIR SEPARATION PLANT MARKET, BY PROCESS, 2016–2022 (USD MILLION)

TABLE 69 AUSTRALIA & NEW ZEALAND: AIR SEPARATION PLANT MARKET, BY PROCESS, 2023–2028 (USD MILLION)

TABLE 70 AUSTRALIA & NEW ZEALAND: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2016–2022 (USD MILLION)

TABLE 71 AUSTRALIA & NEW ZEALAND: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

10.2.7 REST OF ASIA PACIFIC

TABLE 72 REST OF ASIA PACIFIC: AIR SEPARATION PLANT MARKET, BY PROCESS, 2016–2022 (USD MILLION)

TABLE 73 REST OF ASIA PACIFIC: AIR SEPARATION PLANT MARKET, BY PROCESS, 2023–2028 (USD MILLION)

TABLE 74 REST OF ASIA PACIFIC: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2016–2022 (USD MILLION)

TABLE 75 REST OF ASIA PACIFIC: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

10.3 EUROPE

10.3.1 EUROPE: IMPACT OF RECESSION

FIGURE 33 EUROPE: AIR SEPARATION PLANT MARKET SNAPSHOT

TABLE 76 EUROPE: AIR SEPARATION PLANT MARKET, BY COUNTRY, 2016–2022

(USD MILLION)

TABLE 77 EUROPE: AIR SEPARATION PLANT MARKET, BY COUNTRY, 2023–2028

(USD MILLION)

TABLE 78 EUROPE: AIR SEPARATION PLANT MARKET, BY PROCESS, 2016–2022

(USD MILLION)

TABLE 79 EUROPE: AIR SEPARATION PLANT MARKET, BY PROCESS, 2023–2028

(USD MILLION)

TABLE 80 EUROPE: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY,
2016–2022 (USD MILLION)

TABLE 81 EUROPE: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY,
2023–2028 (USD MILLION)

TABLE 82 EUROPE: AIR SEPARATION PLANT MARKET, BY GAS, 2016–2022 (USD
MILLION)

TABLE 83 EUROPE: AIR SEPARATION PLANT MARKET, BY GAS, 2023–2028 (USD
MILLION)

10.3.2 GERMANY

10.3.2.1 Rising demand from manufacturing industry to boost market

TABLE 84 GERMANY: AIR SEPARATION PLANT MARKET, BY PROCESS,
2016–2022 (USD MILLION)

TABLE 85 GERMANY: AIR SEPARATION PLANT MARKET, BY PROCESS,
2023–2028 (USD MILLION)

TABLE 86 GERMANY: AIR SEPARATION PLANT MARKET, BY END-USE
INDUSTRY, 2016–2022 (USD MILLION)

TABLE 87 GERMANY: AIR SEPARATION PLANT MARKET, BY END-USE
INDUSTRY, 2023–2028 (USD MILLION)

10.3.3 FRANCE

10.3.3.1 Chemical and food & beverage industries to drive demand

TABLE 88 FRANCE: AIR SEPARATION PLANT MARKET, BY PROCESS, 2016–2022
(USD MILLION)

TABLE 89 FRANCE: AIR SEPARATION PLANT MARKET, BY PROCESS, 2023–2028
(USD MILLION)

TABLE 90 FRANCE: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY,
2016–2022 (USD MILLION)

TABLE 91 FRANCE: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY,
2023–2028 (USD MILLION)

10.3.4 UK

10.3.4.1 Demand for medical gases from healthcare industry to drive market

TABLE 92 UK: AIR SEPARATION PLANT MARKET, BY PROCESS, 2016–2022 (USD
MILLION)

TABLE 93 UK: AIR SEPARATION PLANT MARKET, BY PROCESS, 2023–2028 (USD MILLION)

TABLE 94 UK: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2016–2022 (USD MILLION)

TABLE 95 UK: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

10.3.5 ITALY

10.3.5.1 Increasing demand from chemical industry to boost market

TABLE 96 ITALY: AIR SEPARATION PLANT MARKET, BY PROCESS, 2016–2022 (USD MILLION)

TABLE 97 ITALY: AIR SEPARATION PLANT MARKET, BY PROCESS, 2023–2028 (USD MILLION)

TABLE 98 ITALY: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2016–2022 (USD MILLION)

TABLE 99 ITALY: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

10.3.6 SPAIN

10.3.6.1 Increasing industrial activities to drive demand

TABLE 100 SPAIN: AIR SEPARATION PLANT MARKET, BY PROCESS, 2016–2022 (USD MILLION)

TABLE 101 SPAIN: AIR SEPARATION PLANT MARKET, BY PROCESS, 2023–2028 (USD MILLION)

TABLE 102 SPAIN: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2016–2022 (USD MILLION)

TABLE 103 SPAIN: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

10.3.7 REST OF EUROPE

TABLE 104 REST OF EUROPE: AIR SEPARATION PLANT MARKET, BY PROCESS, 2016–2022 (USD MILLION)

TABLE 105 REST OF EUROPE: AIR SEPARATION PLANT MARKET, BY PROCESS, 2023–2028 (USD MILLION)

TABLE 106 REST OF EUROPE: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2016–2022 (USD MILLION)

TABLE 107 REST OF EUROPE: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

10.4 NORTH AMERICA

10.4.1 NORTH AMERICA: IMPACT OF RECESSION

FIGURE 34 NORTH AMERICA: AIR SEPARATION PLANT MARKET SNAPSHOT

TABLE 108 NORTH AMERICA: AIR SEPARATION PLANT MARKET, BY COUNTRY,

2016–2022 (USD MILLION)

TABLE 109 NORTH AMERICA: AIR SEPARATION PLANT MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 110 NORTH AMERICA: AIR SEPARATION PLANT MARKET, BY PROCESS, 2016–2022 (USD MILLION)

TABLE 111 NORTH AMERICA: AIR SEPARATION PLANT MARKET, BY PROCESS, 2023–2028 (USD MILLION)

TABLE 112 NORTH AMERICA: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2016–2022 (USD MILLION)

TABLE 113 NORTH AMERICA: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

TABLE 114 NORTH AMERICA: AIR SEPARATION PLANT MARKET, BY GAS, 2016–2022 (USD MILLION)

TABLE 115 NORTH AMERICA: AIR SEPARATION PLANT MARKET, BY GAS, 2023–2028 (USD MILLION)

10.4.2 US

10.4.2.1 Increasing consumption of industrial gases to drive market

TABLE 116 US: AIR SEPARATION PLANT MARKET, BY PROCESS, 2016–2022 (USD MILLION)

TABLE 117 US: AIR SEPARATION PLANT MARKET, BY PROCESS, 2023–2028 (USD MILLION)

TABLE 118 US: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2016–2022 (USD MILLION)

TABLE 119 US: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

10.4.3 CANADA

10.4.3.1 Expansion of oil & gas industry to fuel market growth

TABLE 120 CANADA: AIR SEPARATION PLANT MARKET, BY PROCESS, 2016–2022 (USD MILLION)

TABLE 121 CANADA: AIR SEPARATION PLANT MARKET, BY PROCESS, 2023–2028 (USD MILLION)

TABLE 122 CANADA: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2016–2022 (USD MILLION)

TABLE 123 CANADA: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

10.4.4 MEXICO

10.4.4.1 Rising demand from iron & steel industry to drive market

TABLE 124 MEXICO: AIR SEPARATION PLANT MARKET, BY PROCESS, 2016–2022 (USD MILLION)

TABLE 125 MEXICO: AIR SEPARATION PLANT MARKET, BY PROCESS, 2023–2028 (USD MILLION)

TABLE 126 MEXICO: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2016–2022 (USD MILLION)

TABLE 127 MEXICO: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

10.5 MIDDLE EAST

10.5.1 MIDDLE EAST: IMPACT OF RECESSION

TABLE 128 MIDDLE EAST: AIR SEPARATION PLANT MARKET, BY COUNTRY, 2016–2022 (USD MILLION)

TABLE 129 MIDDLE EAST: AIR SEPARATION PLANT MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 130 MIDDLE EAST: AIR SEPARATION PLANT MARKET, BY PROCESS, 2016–2022 (USD MILLION)

TABLE 131 MIDDLE EAST: AIR SEPARATION PLANT MARKET, BY PROCESS, 2023–2028 (USD MILLION)

TABLE 132 MIDDLE EAST: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2016–2022 (USD MILLION)

TABLE 133 MIDDLE EAST: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

TABLE 134 MIDDLE EAST: AIR SEPARATION PLANT MARKET, BY GAS, 2016–2022 (USD MILLION)

TABLE 135 MIDDLE EAST: AIR SEPARATION PLANT MARKET, BY GAS, 2023–2028 (USD MILLION)

10.5.2 UAE

10.5.2.1 Growing petrochemical infrastructure to fuel market

TABLE 136 UAE: AIR SEPARATION PLANT MARKET, BY PROCESS, 2016–2022 (USD MILLION)

TABLE 137 UAE: AIR SEPARATION PLANT MARKET, BY PROCESS, 2023–2028 (USD MILLION)

TABLE 138 UAE: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2016–2022 (USD MILLION)

TABLE 139 UAE: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

10.5.3 SAUDI ARABIA

10.5.3.1 Growing demand for industrial gases to drive market

TABLE 140 SAUDI ARABIA: AIR SEPARATION PLANT MARKET, BY PROCESS, 2016–2022 (USD MILLION)

TABLE 141 SAUDI ARABIA: AIR SEPARATION PLANT MARKET, BY PROCESS,

2023–2028 (USD MILLION)

TABLE 142 SAUDI ARABIA: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2016–2022 (USD MILLION)

TABLE 143 SAUDI ARABIA: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

10.5.4 QATAR

10.5.4.1 Demand from manufacturing and healthcare industries to boost market

TABLE 144 QATAR: AIR SEPARATION PLANT MARKET, BY PROCESS, 2016–2022 (USD MILLION)

TABLE 145 QATAR: AIR SEPARATION PLANT MARKET, BY PROCESS, 2023–2028 (USD MILLION)

TABLE 146 QATAR: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2016–2022 (USD MILLION)

TABLE 147 QATAR: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

10.5.5 KUWAIT

10.5.5.1 Use of air separation plants in refineries and petroleum companies to spur demand

TABLE 148 KUWAIT: AIR SEPARATION PLANT MARKET, BY PROCESS, 2016–2022 (USD MILLION)

TABLE 149 KUWAIT: AIR SEPARATION PLANT MARKET, BY PROCESS, 2023–2028 (USD MILLION)

TABLE 150 KUWAIT: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2016–2022 (USD MILLION)

TABLE 151 KUWAIT: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

10.5.6 OMAN

10.5.6.1 Demand from oil & gas and chemical industries to fuel market

TABLE 152 OMAN: AIR SEPARATION PLANT MARKET, BY PROCESS, 2016–2022 (USD MILLION)

TABLE 153 OMAN: AIR SEPARATION PLANT MARKET, BY PROCESS, 2023–2028 (USD MILLION)

TABLE 154 OMAN: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2016–2022 (USD MILLION)

TABLE 155 OMAN: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

10.5.7 REST OF MIDDLE EAST

TABLE 156 REST OF MIDDLE EAST: AIR SEPARATION PLANT MARKET, BY PROCESS, 2016–2022 (USD MILLION)

TABLE 157 REST OF MIDDLE EAST: AIR SEPARATION PLANT MARKET, BY PROCESS, 2023–2028 (USD MILLION)

TABLE 158 REST OF MIDDLE EAST: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2016–2022 (USD MILLION)

TABLE 159 REST OF MIDDLE EAST: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

10.6 SOUTH AMERICA

10.6.1 SOUTH AMERICA: IMPACT OF RECESSION

TABLE 160 SOUTH AMERICA: AIR SEPARATION PLANT MARKET, BY COUNTRY, 2016–2022 (USD MILLION)

TABLE 161 SOUTH AMERICA: AIR SEPARATION PLANT MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 162 SOUTH AMERICA: AIR SEPARATION PLANT MARKET, BY PROCESS, 2016–2022 (USD MILLION)

TABLE 163 SOUTH AMERICA: AIR SEPARATION PLANT MARKET, BY PROCESS, 2023–2028 (USD MILLION)

TABLE 164 SOUTH AMERICA: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2016–2022 (USD MILLION)

TABLE 165 SOUTH AMERICA: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

TABLE 166 SOUTH AMERICA: AIR SEPARATION PLANT MARKET, BY GAS, 2016–2022 (USD MILLION)

TABLE 167 SOUTH AMERICA: AIR SEPARATION PLANT MARKET, BY GAS, 2023–2028 (USD MILLION)

10.6.2 BRAZIL

10.6.2.1 Increasing industrialization to spur market growth

TABLE 168 BRAZIL: AIR SEPARATION PLANT MARKET, BY PROCESS, 2016–2022 (USD MILLION)

TABLE 169 BRAZIL: AIR SEPARATION PLANT MARKET, BY PROCESS, 2023–2028 (USD MILLION)

TABLE 170 BRAZIL: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2016–2022 (USD MILLION)

TABLE 171 BRAZIL: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

10.6.3 ARGENTINA

10.6.3.1 Growth of oil & gas industry to boost demand for nitrogen and oxygen

TABLE 172 ARGENTINA: AIR SEPARATION PLANT MARKET, BY PROCESS, 2016–2022 (USD MILLION)

TABLE 173 ARGENTINA: AIR SEPARATION PLANT MARKET, BY PROCESS,

2023–2028 (USD MILLION)

TABLE 174 ARGENTINA: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2016–2022 (USD MILLION)

TABLE 175 ARGENTINA: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

10.6.4 CHILE

10.6.4.1 Strong economic landscape to drive demand

TABLE 176 CHILE: AIR SEPARATION PLANT MARKET, BY PROCESS, 2016–2022 (USD MILLION)

TABLE 177 CHILE: AIR SEPARATION PLANT MARKET, BY PROCESS, 2023–2028 (USD MILLION)

TABLE 178 CHILE: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2016–2022 (USD MILLION)

TABLE 179 CHILE: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

10.6.5 REST OF SOUTH AMERICA

TABLE 180 REST OF SOUTH AMERICA: AIR SEPARATION PLANT MARKET, BY PROCESS, 2016–2022 (USD MILLION)

TABLE 181 REST OF SOUTH AMERICA: AIR SEPARATION PLANT MARKET, BY PROCESS, 2023–2028 (USD MILLION)

TABLE 182 REST OF SOUTH AMERICA: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2016–2022 (USD MILLION)

TABLE 183 REST OF SOUTH AMERICA: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

10.7 AFRICA

10.7.1 AFRICA: IMPACT OF RECESSION

TABLE 184 AFRICA: AIR SEPARATION PLANT MARKET, BY COUNTRY, 2016–2022 (USD MILLION)

TABLE 185 AFRICA: AIR SEPARATION PLANT MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 186 AFRICA: AIR SEPARATION PLANT MARKET, BY PROCESS, 2016–2022 (USD MILLION)

TABLE 187 AFRICA: AIR SEPARATION PLANT MARKET, BY PROCESS, 2023–2028 (USD MILLION)

TABLE 188 AFRICA: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2016–2022 (USD MILLION)

TABLE 189 AFRICA: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

TABLE 190 AFRICA: AIR SEPARATION PLANT MARKET, BY GAS, 2016–2022 (USD

MILLION)

TABLE 191 AFRICA: AIR SEPARATION PLANT MARKET, BY GAS, 2023–2028 (USD MILLION)

10.7.2 SOUTH AFRICA

10.7.2.1 Large customer base to drive market

TABLE 192 SOUTH AFRICA: AIR SEPARATION PLANT MARKET, BY PROCESS, 2016–2022 (USD MILLION)

TABLE 193 SOUTH AFRICA: AIR SEPARATION PLANT MARKET, BY PROCESS, 2023–2028 (USD MILLION)

TABLE 194 SOUTH AFRICA: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2016–2022 (USD MILLION)

TABLE 195 SOUTH AFRICA: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

10.7.3 REST OF AFRICA

TABLE 196 REST OF AFRICA: AIR SEPARATION PLANT MARKET, BY PROCESS, 2016–2022 (USD MILLION)

TABLE 197 REST OF AFRICA: AIR SEPARATION PLANT MARKET, BY PROCESS, 2023–2028 (USD MILLION)

TABLE 198 REST OF AFRICA: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2016–2022 (USD MILLION)

TABLE 199 REST OF AFRICA: AIR SEPARATION PLANT MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

11 COMPETITIVE LANDSCAPE

11.1 OVERVIEW

11.2 KEY PLAYER STRATEGIES

TABLE 200 AIR SEPARATION PLANT MANUFACTURERS PURSUE AGREEMENT AND JOINT VENTURE STRATEGIES

11.3 REVENUE ANALYSIS

11.3.1 REVENUE ANALYSIS OF TOP PLAYERS IN AIR SEPARATION PLANT MARKET

FIGURE 35 TOP PLAYERS – REVENUE ANALYSIS (2018-2022)

11.4 MARKET SHARE ANALYSIS: AIR SEPARATION PLANT MARKET (2022)

FIGURE 36 RANKING OF TOP 5 PLAYERS IN AIR SEPARATION PLANT MARKET

FIGURE 37 LINDE PLC HELD LARGEST MARKET SHARE IN 2022

TABLE 201 AIR SEPARATION PLANT MARKET: DEGREE OF COMPETITION

11.5 COMPANY FOOTPRINT ANALYSIS

TABLE 202 COMPANY INDUSTRY FOOTPRINT

TABLE 203 COMPANY PROCESS FOOTPRINT

TABLE 204 COMPANY REGION FOOTPRINT

11.6 COMPANY EVALUATION QUADRANT, 2022

11.6.1 STARS

11.6.2 EMERGING LEADERS

11.6.3 PERVASIVE PLAYERS

11.6.4 PARTICIPANTS

FIGURE 38 AIR SEPARATION PLANT MARKET: COMPETITIVE LEADERSHIP MAPPING, 2022

11.7 SMALL AND MEDIUM-SIZED ENTERPRISES (SME) MATRIX, 2022

11.7.1 PROGRESSIVE COMPANIES

11.7.2 DYNAMIC COMPANIES

11.7.3 RESPONSIVE COMPANIES

11.7.4 STARTING BLOCKS

FIGURE 39 AIR SEPARATION PLANT MARKET: SME COMPETITIVE LEADERSHIP MAPPING, 2022

11.8 COMPETITIVE BENCHMARKING

TABLE 205 AIR SEPARATION PLANT MARKET: KEY STARTUPS/SMES

TABLE 206 AIR SEPARATION PLANT MARKET: COMPETITIVE BENCHMARKING OF KEY STARTUPS/SMES

11.9 COMPETITIVE SCENARIO

TABLE 207 AIR SEPARATION PLANT MARKET: DEALS, 2018-2023

TABLE 208 AIR SEPARATION PLANT MARKET: PRODUCT LAUNCHES, 2018-2023

TABLE 209 AIR SEPARATION PLANT MARKET: OTHER DEVELOPMENTS, 2018-2023

12 COMPANY PROFILES

(Business Overview, Products/Solutions/Services Offered, Recent Developments, MnM view (Key strengths/Right to win, Strategic choices made, Weakness/competitive threats)*)

12.1 KEY PLAYERS

12.1.1 LINDE PLC

TABLE 210 LINDE PLC: COMPANY SNAPSHOT

FIGURE 40 LINDE PLC: COMPANY SNAPSHOT

12.1.2 AIR LIQUIDE SA

TABLE 211 AIR LIQUIDE SA: COMPANY SNAPSHOT

FIGURE 41 AIR LIQUIDE SA: COMPANY SNAPSHOT

12.1.3 AIR PRODUCTS AND CHEMICALS, INC.

TABLE 212 AIR PRODUCTS AND CHEMICALS, INC.: COMPANY SNAPSHOT
FIGURE 42 AIR PRODUCTS AND CHEMICALS, INC.: COMPANY SNAPSHOT

12.1.4 MESSER GROUP GMBH

TABLE 213 MESSER GROUP GMBH: COMPANY SNAPSHOT
FIGURE 43 MESSER GROUP GMBH: COMPANY SNAPSHOT

12.1.5 TAIYO NIPPON SANSO CORPORATION

TABLE 214 TAIYO NIPPON SANSO CORPORATION: COMPANY SNAPSHOT
FIGURE 44 TAIYO NIPPON SANSO CORPORATION: COMPANY SNAPSHOT

12.1.6 DAESUNG INDUSTRIAL CO., LTD.

TABLE 215 DAESUNG INDUSTRIAL CO., LTD.: COMPANY SNAPSHOT
FIGURE 45 DAESUNG INDUSTRIAL CO., LTD.: COMPANY SNAPSHOT

12.1.7 AIR WATER INC.

TABLE 216 AIR WATER, INC.: COMPANY SNAPSHOT
FIGURE 46 AIR WATER INC.: COMPANY SNAPSHOT

12.1.8 ENERFLEX LTD.

TABLE 217 ENERFLEX LTD.: COMPANY SNAPSHOT
FIGURE 47 ENERFLEX LTD.: COMPANY SNAPSHOT

12.1.9 YINGDE GASES GROUP CO., LTD.

TABLE 218 YINGDE GASES GROUP CO., LTD.: COMPANY SNAPSHOT

12.1.10 INOX AIR PRODUCTS PRIVATE LIMITED

TABLE 219 INOX AIR PRODUCTS PRIVATE LIMITED: COMPANY SNAPSHOT

12.1.11 HANGZHOU HANGYANG CO., LTD.

TABLE 220 HANGZHOU HANGYANG CO., LTD.: COMPANY SNAPSHOT

12.2 SME PROFILES

12.2.1 SIAD MACCHINE IMPIANTI S.P.A.

TABLE 221 SIAD MACCHINE IMPIANTI S.P.A.: COMPANY SNAPSHOT

12.2.2 UNIVERSAL INDUSTRIAL GASES, INC.

TABLE 222 UNIVERSAL INDUSTRIAL GASES, INC.: COMPANY SNAPSHOT

12.2.3 NIKKISO COSMODYNE, LLC

TABLE 223 NIKKISO COSMODYNE, LLC: COMPANY SNAPSHOT

12.2.4 RANCH CRYOGENICS, INC

TABLE 224 RANCH CRYOGENICS, INC: COMPANY SNAPSHOT

12.2.5 TECHNEX LIMITED

TABLE 225 TECHNEX LIMITED: COMPANY SNAPSHOT

12.2.6 PHOENIX EQUIPMENT CORPORATION

TABLE 226 PHOENIX EQUIPMENT CORPORATION: COMPANY SNAPSHOT

12.2.7 AMCS CORPORATION

TABLE 227 AMCS CORPORATION: COMPANY SNAPSHOT

12.2.8 UNIVERSAL ING. L. & A. BOSCHI PLANTS PRIVATE LIMITED

TABLE 228 UNIVERSAL ING. L. & A. BOSCHI PLANTS PRIVATE LIMITED:
COMPANY SNAPSHOT

12.2.9 CHINA NATIONAL AIR SEPARATION PLANT CORPORATION

TABLE 229 CHINA NATIONAL AIR SEPARATION PLANT CORPORATION:
COMPANY SNAPSHOT

12.2.10 GAS ENGINEERING, LLC

TABLE 230 GAS ENGINEERING, LLC: COMPANY SNAPSHOT

12.2.11 CRYOTEC ANLAGENBAU GMBH

TABLE 231 CRYOTEC ANLAGENBAU GMBH: COMPANY SNAPSHOT

12.2.12 NOVAIR SAS

TABLE 232 NOVAIR SAS: COMPANY SNAPSHOT

12.2.13 BDMGASPLANTS

TABLE 233 BDMGASPLANTS: COMPANY SNAPSHOT

12.2.14 OXYPLANTS INDIA PVT LTD

TABLE 234 OXYPLANTS INDIA PVT LTD: COMPANY SNAPSHOT

Details on Business Overview, Products/Solutions/Services Offered, Recent Developments, MnM view (Key strengths/Right to win, Strategic choices made, Weakness/competitive threats) might not be captured in case of unlisted companies.

13 APPENDIX

13.1 DISCUSSION GUIDE

13.2 KNOWLEDGESTORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL

13.3 CUSTOMIZATION OPTIONS

13.4 RELATED REPORTS

13.5 AUTHOR DETAILS

I would like to order

Product name: Air Separation Plant Market by Process (Cryogenic, Non-cryogenic), Gas (Nitrogen, Oxygen, Argon), End-Use Industry (Iron & Steel, Oil & Gas, Chemical, Healthcare), and Region (North America, APAC, Europe, RoW) - Global Forecast to 2028

Product link: <https://marketpublishers.com/r/AE4BA034C91EN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/AE4BA034C91EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970