

# **Cryogenic Insulation Market by Type (PU & PIR, Cellular Glass, Polystyrene, Fiberglass, Perlite), Cryogenic Equipment (Tanks, Valves), End-Use Industry (Energy & Power, Chemicals, Metallurgical, Electronics, Shipping) - Global Forecast to 2023**

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## **Abstracts**

“Rising demand for liquefied natural gas as fuel is expected to drive the cryogenic insulation market.”

The cryogenic insulation market is estimated to be USD 2.3 billion in 2018 and is projected to reach USD 3.3 billion by 2023, at a CAGR of 7.20% between 2018 and 2023. The cryogenic insulation market is largely driven by the rising demand for liquefied natural gas as fuel. Transportation and storage of LNG is the major application of cryogenic insulation in the energy and power sector. Since a major share of the market is held by this segment, LNG applications are considered to have a great impact on the market during the forecast period. LNG consumption is expected to increase further in the future due to environmental regulations regarding carbon dioxide emission and marine shipping vessels. Rising demand for LNG in various sectors such as automotive, domestic & commercial fuel, and power generation is expected to boost natural gas exploration and production, thereby, driving the growth of the cryogenic insulation market. In future, due to increase in LNG terminals, storage tanks, and ships carrying LNG, a substantial amount of insulating materials will be required, which is projected to drive the cryogenic insulation market. However, volatile raw material price is a major restraint for the growth of the market.

“The PU & PIR segment is expected to be the second-fastest growing type in the cryogenic insulation market, in terms of value, from 2018 to 2023.”

The PU & PIR segment is expected to witness the highest growth, in terms of value, from 2018 to 2023. PUR & PIR foams are lightweight, moisture and fire resistant, and have low thermal conductivity and density. They also provide better structural performance. These properties enable their use in cryogenic conditions. They are used in various applications such as cold storage building, coolers, freezers, tank & pipe insulation, and household refrigerators.

“The energy & power end-use industry is projected to account for the largest share of the overall cryogenic insulation market, in terms of value, between 2018 and 2023.”

Energy & power is the largest market for cryogenic insulation materials. In energy & power, these materials are used for insulation of storage tanks, where LNG is stored, and in liquefaction plant, where conversion of natural gas into its liquid state is undertaken. These storage tanks can also be used for storage of other liquefied gases including butane, ammonia, chlorine, propane, propylene, carbon dioxide, LNG, LPG, ethylene, oxygen, argon, nitrogen, and hydrogen. This insulation system limits the entry of outside heat inside the process pipes and systems to keep the liquid cool and allowing it to retain its properties.

“APAC is expected to be the third-fastest growing cryogenic insulation market during the forecast period, in terms of value.”

The APAC cryogenic market is estimated to witness considerable growth owing to rising demand for storing and transporting cryogenic fluids in a wide range of end-use industries such as chemicals, shipbuilding, electronics, and energy & power. Rising demand for LNG and increasing investment in the energy sector is expected to drive the cryogenic insulation market in the region during the forecast period.

In the process of determining and verifying the market size for several segments and subsegments gathered through secondary research, extensive primary interviews were conducted. A breakdown of the profiles of the primary interviewees are as follows:

By Company Type: Tier 1 - 46%, Tier 2 - 31%, and Tier 3 - 23%

By Designation: C-Level - 46%, Director Level - 27%, and Others - 27%

By Region: North America - 33%, Europe - 27%, APAC - 27%, Middle East & Africa - 6%, and South America - 7%

Key players profiled in the report include Armacell International Holding GmbH (Germany), Lydall Inc. (US), BASF SE (Germany), Cabot Corporation (US), Rochling Group (Germany), and Johns Manville Inc. (US).

## Research Coverage

This report segments the market for cryogenic insulation on the basis of type, form, cryogenic equipment, end-use industry, and region, and provides estimations for the overall value of the market across various regions. A detailed analysis of key industry players has been conducted to provide insights into their business overviews, products & services, key strategies, new product launches, expansions, and agreements associated with the market for cryogenic insulation.

## Reasons to Buy this Report

This research report is focused on various levels of analysis — industry analysis (industry trends), market ranking analysis of top players, and company profiles, which together provide an overall view on the competitive landscape; emerging and high-growth segments of the cryogenic insulation market; high-growth regions; and market drivers, restraints, opportunities, and challenges.

The report provides insights on the following pointers:

**Market Penetration:** Comprehensive information on cryogenic insulation offered by top players in the global cryogenic insulation market

**Product Development/Innovation:** Detailed insights on upcoming technologies, research & development activities, and new product launches in the cryogenic insulation market

**Market Development:** Comprehensive information about lucrative emerging markets — the report analyzes the markets for cryogenic insulation across regions

**Market Diversification:** Exhaustive information about new products, untapped regions, and recent developments in the global cryogenic insulation market

**Competitive Assessment:** In-depth assessment of market shares, strategies, products, and manufacturing capabilities of leading players in the cryogenic

insulation market

## Contents

### 1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION
- 1.3 MARKET SCOPE
  - 1.3.1 REGIONS COVERED
  - 1.3.2 YEARS CONSIDERED FOR THE STUDY
- 1.4 CURRENCY
- 1.5 LIMITATIONS
- 1.6 STAKEHOLDERS

### 2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
  - 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 Breakdown of primary interviews
- 2.2 MARKET SIZE ESTIMATION
  - 2.2.1 BOTTOM-UP APPROACH
  - 2.2.2 TOP-DOWN APPROACH
- 2.3 DATA TRIANGULATION
- 2.4 ASSUMPTIONS

### 3 EXECUTIVE SUMMARY

### 4 PREMIUM INSIGHTS

- 4.1 ATTRACTIVE OPPORTUNITIES IN THE CRYOGENIC INSULATION MARKET
- 4.2 APAC CRYOGENIC INSULATION MARKET, BY END-USE INDUSTRY AND COUNTRY
- 4.3 CRYOGENIC INSULATION MARKET, BY REGION
- 4.4 CRYOGENIC INSULATION MARKET, BY REGION AND END-USE INDUSTRY
- 4.5 CRYOGENIC INSULATION MARKET, BY COUNTRY

### 5 MARKET OVERVIEW

*Cryogenic Insulation Market by Type (PU & PIR, Cellular Glass, Polystyrene, Fiberglass, Perlite), Cryogenic Eq...*

## 5.1 INTRODUCTION

## 5.2 MARKET DYNAMICS

### 5.2.1 DRIVERS

5.2.1.1 Rising demand for LNG as fuel

5.2.1.2 Increasing environmental awareness

### 5.2.2 OPPORTUNITIES

5.2.2.1 Growing demand for cryogenic technologies in space applications

### 5.2.3 RESTRAINTS

5.2.3.1 Volatile raw material prices

## 5.3 PORTER'S FIVE FORCES ANALYSIS

### 5.3.1 THREAT OF SUBSTITUTES

### 5.3.2 THREAT OF NEW ENTRANTS

### 5.3.3 BARGAINING POWER OF SUPPLIERS

### 5.3.4 BARGAINING POWER OF BUYERS

### 5.3.5 INTENSITY OF COMPETITIVE RIVALRY

## 5.4 MACROECONOMIC INDICATORS

### 5.4.1 GDP FORECAST OF MAJOR ECONOMIES

### 5.4.2 TRENDS AND FORECAST OF THE NATURAL GAS INDUSTRY

## 6 CRYOGENIC INSULATION MARKET, BY TYPE

### 6.1 INTRODUCTION

#### 6.2 PU & PIR

6.2.1 RISING DEMAND FOR LNG TRANSPORTATION & STORAGE IS DRIVING THE DEMAND FOR PU & PIR CRYOGENIC INSULATION IN APAC

#### 6.3 CELLULAR GLASS

6.3.1 HIGH DEMAND FOR STORAGE TANKS BOOSTS THE GROWTH OF THE CELLULAR GLASS SEGMENT

#### 6.4 POLYSTYRENE

6.4.1 APAC IS PROJECTED TO DRIVE THE MARKET FOR POLYSTYRENE CRYOGENIC INSULATION

#### 6.5 FIBERGLASS

6.5.1 INCREASING SCOPE OF APPLICATION IS DRIVING THE DEMAND FOR FIBERGLASS CRYOGENIC INSULATION

#### 6.6 PERLITE

6.6.1 RISING DEMAND FOR LNG IS EXPECTED TO DRIVE THE DEMAND FOR PERLITE CRYOGENIC INSULATION

#### 6.7 OTHERS

## **7 CRYOGENIC INSULATION MARKET, BY FORM**

### **7.1 INTRODUCTION**

### **7.2 MULTI-LAYER**

7.2.1 MULTI-LAYER SEGMENT TO ACCOUNT FOR THE LARGEST SHARE

### **7.3 FOAM**

7.3.1 INCREASING APPLICATIONS TO DRIVE THE MARKET FOR FOAM  
CRYOGENIC INSULATIONS

### **7.4 BULK-FILL**

7.4.1 GROWING DEMAND FOR LNG TRANSPORTATION AND STORAGE WILL  
DRIVE THE MARKET FOR BULK-FILL CRYOGENIC INSULATIONS

## **8 CRYOGENIC INSULATION MARKET, BY CRYOGENIC EQUIPMENT**

### **8.1 INTRODUCTION**

### **8.2 TANKS**

8.2.1 RISING DEMAND FOR STORAGE AND TRANSPORT OF LNG TO INCREASE  
THE DEMAND FOR TANKS

### **8.3 VALVES**

8.3.1 RISING DEMAND FOR TRANSPORT OF LIQUEFIED GASES TO DRIVE THE  
DEMAND FOR CRYOGENIC INSULATION IN VALVES

### **8.4 VAPORIZERS**

8.4.1 INCREASING NUMBER OF REGASIFICATION UNITS IS EXPECTED TO  
DRIVE THE DEMAND FOR VAPORIZERS

### **8.5 PUMPS**

8.5.1 INCREASE IN LNG PROJECTS AND IMPORT TERMINALS WILL BOOST THE  
DEMAND FOR PUMPS

### **8.6 OTHERS**

## **9 CRYOGENIC INSULATION MARKET, BY END-USE INDUSTRY**

### **9.1 INTRODUCTION**

### **9.2 ENERGY & POWER**

9.2.1 ENERGY & POWER SEGMENT ACCOUNTED FOR THE LARGEST  
CONSUMPTION OF CRYOGENIC INSULATION

### **9.3 CHEMICALS**

9.3.1 GROWING CHEMICAL INDUSTRY IN EMERGING ECONOMIES TO DRIVE  
THE DEMAND FOR CRYOGENIC INSULATION

## 9.4 METALLURGICAL

9.4.1 INCREASING SPENDING ON INFRASTRUCTURE TO DRIVE THE DEMAND FOR CRYOGENIC INSULATION IN METALLURGICAL INDUSTRY

## 9.5 ELECTRONICS

9.5.1 GROWING ELECTRONICS INDUSTRY IN APAC IS EXPECTED TO DRIVE THE DEMAND FOR CRYOGENIC INSULATION

## 9.6 SHIPPING

9.6.1 RISING DEMAND FOR LNG AS FUEL TO DRIVE THE DEMAND FOR CRYOGENIC INSULATION IN SHIPPING INDUSTRY

## 9.7 OTHERS

# 10 CRYOGENIC INSULATION MARKET, BY REGION

## 10.1 INTRODUCTION

### 10.2 APAC

#### 10.2.1 CHINA

10.2.1.1 Rising demand for LNG and electronic equipment is likely to have a high impact on the cryogenic insulation market

#### 10.2.2 INDIA

10.2.2.1 Increasing demand from the energy & power industry will contribute significantly to the growth of the market

#### 10.2.3 AUSTRALIA

10.2.3.1 Australia is a fast-growing cryogenic insulation market

#### 10.2.4 JAPAN

10.2.4.1 Rising demand for renewable sources of energy will drive the demand for cryogenic insulation

#### 10.2.5 MALAYSIA

10.2.5.1 Growing demand for LNG transportation and storage will propel the cryogenic insulation market growth

### 10.3 EUROPE

#### 10.3.1 UK

10.3.1.1 New applications in food & beverages and healthcare industries will majorly influence the market

#### 10.3.2 RUSSIA

10.3.2.1 Large production and export of oil and gas create high demand for cryogenic insulation

#### 10.3.3 FRANCE

10.3.3.1 Rising demand for renewable sources of energy will positively influence the cryogenic insulation market



#### 10.3.4 GERMANY

10.3.4.1 Emerging applications act as an opportunity in the cryogenic insulation market

#### 10.4 NORTH AMERICA

##### 10.4.1 US

10.4.1.1 Escalation production of tight oil and shale gas will drive the demand for cryogenic insulation

##### 10.4.2 CANADA

10.4.2.1 Increasing gas-based electricity generation is the most impactful driver for the cryogenic insulation market

##### 10.4.3 MEXICO

10.4.3.1 Government initiatives to increase the production of oil and gas are driving the cryogenic insulation market

#### 10.5 MIDDLE EAST & AFRICA

##### 10.5.1 SAUDI ARABIA

10.5.1.1 The energy & power segment will significantly impact the cryogenic insulation market growth

##### 10.5.2 QATAR

10.5.2.1 Qatar is the fastest-growing cryogenic insulation market in the Middle East & Africa

##### 10.5.3 UAE

10.5.3.1 Increasing demand from the energy & power industry will boost the market growth

##### 10.5.4 SOUTH AFRICA

10.5.4.1 The energy & power segment is the fastest-growing end-use industry for cryogenic insulation

##### 10.5.5 NIGERIA

10.5.5.1 Increase in demand for storage and transportation facilities for LNG is a major driver of the cryogenic insulation market

##### 10.5.6 ALGERIA

10.5.6.1 The growing gas processing industry is expected to drive the cryogenic insulation market

#### 10.6 SOUTH AMERICA

##### 10.6.1 BRAZIL

10.6.1.1 The chemicals industry aids the cryogenic insulation market growth moderately

##### 10.6.2 ARGENTINA

10.6.2.1 Requirement of cryogenic insulations in the energy & power segment will support the market growth

### 10.6.3 VENEZUELA

10.6.3.1 Rising demand for gas-based electricity generation will have a positive impact on the cryogenic insulation market

## 11 COMPETITIVE LANDSCAPE

### 11.1 INTRODUCTION

### 11.2 MAJOR MARKET PLAYERS

#### 11.2.1 ARMACELL

#### 11.2.2 LYDALL

#### 11.2.3 BASF

#### 11.2.4 CABOT CORPORATION

#### 11.2.5 ROCHLING GROUP

### 11.3 COMPETITIVE SCENARIOS

#### 11.3.1 AGREEMENT

#### 11.3.2 NEW PRODUCT LAUNCH

## 12 COMPANY PROFILES

(Business Overview, Products Offered, Recent Developments, SWOT Analysis, MnM View)\*

### 12.1 ARMACELL

### 12.2 LYDALL

### 12.3 BASF

### 12.4 CABOT CORPORATION

### 12.5 ROCHLING GROUP

### 12.6 JOHNS MANVILLE

### 12.7 DUNMORE CORPORATION

### 12.8 PITTSBURGH CORNING CORPORATION

### 12.9 IMERYS MINERALS

### 12.10 ASPEN AEROGELS

### 12.11 ISOVER (SAINT GOBAIN)

### 12.12 HERTEL

### 12.13 AMOL DICALITE LIMITED

### 12.14 G+H GROUP

\*Details on Business Overview, Products Offered, Recent Developments, SWOT Analysis, MnM View might not be captured in case of unlisted companies.

## **13 APPENDIX**

13.1 INSIGHTS FROM INDUSTRY EXPERTS

13.2 DISCUSSION GUIDE

13.3 KNOWLEDGE STORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

13.4 AVAILABLE CUSTOMIZATIONS

13.5 RELATED REPORTS

13.6 AUTHOR DETAILS

## List Of Tables

### LIST OF TABLES

Table 1 TRENDS AND FORECAST OF GDP, BY COUNTRY, 2017–2022 (USD BILLION)

Table 2 CRYOGENIC INSULATION MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)

Table 3 PU & PIR CRYOGENIC INSULATION MARKET SIZE, BY REGION, 2016–2023 (USD MILLION)

Table 4 CELLULAR GLASS CRYOGENIC INSULATION MARKET SIZE, BY REGION, 2016–2023 (USD MILLION)

Table 5 POLYSTYRENE CRYOGENIC INSULATION MARKET SIZE, BY REGION, 2016–2023 (USD MILLION)

Table 6 FIBERGLASS CRYOGENIC INSULATION MARKET SIZE, BY REGION, 2016–2023 (USD MILLION)

Table 7 PERLITE CRYOGENIC INSULATION MARKET SIZE, BY REGION, 2016–2023 (USD MILLION)

Table 8 OTHER CRYOGENIC INSULATIONS MARKET SIZE, BY REGION, 2016–2023 (USD MILLION)

Table 9 CRYOGENIC INSULATION MARKET SIZE, BY FORM, 2016–2023 (USD MILLION)

Table 10 CRYOGENIC INSULATION MARKET SIZE, BY CRYOGENIC EQUIPMENT, 2016–2023 (USD MILLION)

Table 11 TANKS: CRYOGENIC INSULATION MARKET SIZE, BY REGION, 2016–2023 (USD MILLION)

Table 12 VALVES: CRYOGENIC INSULATION MARKET SIZE, BY REGION, 2016–2023 (USD MILLION)

Table 13 VAPORIZERS: CRYOGENIC INSULATION MARKET SIZE, BY REGION, 2016–2023 (USD MILLION)

Table 14 PUMP: CRYOGENIC INSULATION MARKET SIZE, BY REGION, 2016–2023 (USD MILLION)

Table 15 OTHER EQUIPMENT: CRYOGENIC INSULATION MARKET SIZE, BY REGION, 2018–2023 (USD MILLION)

Table 16 CRYOGENIC INSULATION MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 17 CRYOGENIC INSULATION MARKET SIZE IN ENERGY & POWER, 2016–2023 (USD MILLION)

Table 18 CRYOGENIC INSULATION MARKET SIZE IN CHEMICALS, BY REGION,

2016–2023 (USD MILLION)

Table 19 CRYOGENIC INSULATION MARKET SIZE IN METALLURGICAL, BY REGION, 2016–2023 (USD MILLION)

Table 20 CRYOGENIC INSULATION MARKET SIZE IN ELECTRONICS, BY REGION, 2016–2023 (USD MILLION)

Table 21 CRYOGENIC INSULATION MARKET SIZE IN SHIPPING, BY REGION, 2016–2023 (USD MILLION)

Table 22 CRYOGENIC INSULATION MARKET SIZE IN OTHER END-USE INDUSTRIES, BY REGION, 2016–2023 (USD MILLION)

Table 23 CRYOGENIC INSULATION MARKET SIZE, BY REGION, 2016–2023 (USD MILLION)

Table 24 APAC: CRYOGENIC INSULATION MARKET SIZE, BY COUNTRY, 2016–2023 (USD MILLION)

Table 25 APAC: CRYOGENIC INSULATION MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)

Table 26 APAC: CRYOGENIC INSULATION MARKET SIZE, BY FORM, 2016–2023 (USD MILLION)

Table 27 APAC: CRYOGENIC INSULATION MARKET SIZE, BY CRYOGENIC EQUIPMENT, 2016–2023 (USD MILLION)

Table 28 APAC: CRYOGENIC INSULATION MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 29 CHINA: CRYOGENIC INSULATION MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 30 INDIA: CRYOGENIC INSULATION MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 31 AUSTRALIA: CRYOGENIC INSULATION MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 32 JAPAN: CRYOGENIC INSULATION MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 33 MALAYSIA: CRYOGENIC INSULATION MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 34 EUROPE: CRYOGENIC INSULATION MARKET SIZE, BY COUNTRY, 2016–2023 (USD MILLION)

Table 35 EUROPE: CRYOGENIC INSULATION MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)

Table 36 EUROPE: CRYOGENIC INSULATION MARKET SIZE, BY FORM, 2016–2023 (USD MILLION)

Table 37 EUROPE: CRYOGENIC INSULATION MARKET SIZE, BY CRYOGENIC EQUIPMENT, 2016–2023 (USD MILLION)

Table 38 EUROPE: CRYOGENIC INSULATION MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 39 UK: CRYOGENIC INSULATION MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 40 RUSSIA: CRYOGENIC INSULATION MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 41 FRANCE: CRYOGENIC INSULATION MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 42 GERMANY: CRYOGENIC INSULATION MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 43 NORTH AMERICA: CRYOGENIC INSULATION MARKET SIZE, BY COUNTRY, 2016–2023 (USD MILLION)

Table 44 NORTH AMERICA: CRYOGENIC INSULATION MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)

Table 45 NORTH AMERICA: CRYOGENIC INSULATION MARKET SIZE, BY FORM, 2016–2023 (USD MILLION)

Table 46 NORTH AMERICA: CRYOGENIC INSULATION MARKET SIZE, BY CRYOGENIC EQUIPMENT, 2016–2023 (USD MILLION)

Table 47 NORTH AMERICA: CRYOGENIC INSULATION MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 48 US: CRYOGENIC INSULATION MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 49 CANADA: CRYOGENIC INSULATION MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 50 MEXICO: CRYOGENIC INSULATION MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 51 MIDDLE EAST & AFRICA: CRYOGENIC INSULATION MARKET SIZE, BY COUNTRY, 2016–2023 (USD MILLION)

Table 52 MIDDLE EAST & AFRICA: CRYOGENIC INSULATION MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)

Table 53 MIDDLE EAST & AFRICA: CRYOGENIC INSULATION MARKET SIZE, BY FORM, 2016–2023 (USD MILLION)

Table 54 MIDDLE EAST & AFRICA: CRYOGENIC INSULATION MARKET SIZE, BY CRYOGENIC EQUIPMENT, 2016–2023 (USD MILLION)

Table 55 MIDDLE EAST & AFRICA: CRYOGENIC INSULATION MACHINE MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 56 SAUDI ARABIA: CRYOGENIC INSULATION MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 57 QATAR: CRYOGENIC INSULATION MARKET SIZE, BY END-USE

INDUSTRY, 2016–2023 (USD MILLION)

Table 58 UAE: CRYOGENIC INSULATION MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 59 SOUTH AFRICA: CRYOGENIC INSULATION MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 60 NIGERIA: CRYOGENIC INSULATION MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 61 ALGERIA: CRYOGENIC INSULATION MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 62 SOUTH AMERICA: CRYOGENIC INSULATION MARKET SIZE, BY COUNTRY, 2016–2023 (USD MILLION)

Table 63 SOUTH AMERICA: CRYOGENIC INSULATION MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)

Table 64 SOUTH AMERICA: CRYOGENIC INSULATION MARKET SIZE, BY FORM, 2016–2023 (USD MILLION)

Table 65 SOUTH AMERICA: CRYOGENIC INSULATION MARKET SIZE, BY CRYOGENIC EQUIPMENT, 2016–2023 (USD MILLION)

Table 66 SOUTH AMERICA: CRYOGENIC INSULATION MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 67 BRAZIL: CRYOGENIC INSULATION MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 68 ARGENTINA: CRYOGENIC INSULATION MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 69 VENEZUELA: CRYOGENIC INSULATION MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 70 AGREEMENT, 2013–2018

Table 71 NEW PRODUCT LAUNCH, 2013–2018



## List Of Figures

### LIST OF FIGURES

Figure 1 MARKET SEGMENTATION

Figure 2 CRYOGENIC INSULATION MARKET: RESEARCH DESIGN

Figure 3 CRYOGENIC INSULATION MARKET: BOTTOM-UP APPROACH

Figure 4 CRYOGENIC INSULATION MARKET: BOTTOM-UP APPROACH

Figure 5 PU & PIR TO DOMINATE THE OVERALL CRYOGENIC INSULATION MARKET

Figure 6 ENERGY & POWER TO BE THE LEADING END-USE INDUSTRY OF CRYOGENIC INSULATION

Figure 7 TANKS SEGMENT TO DOMINATE THE OVERALL CRYOGENIC INSULATION MARKET

Figure 8 APAC ACCOUNTED FOR THE LARGEST SHARE OF THE CRYOGENIC INSULATION MARKET IN 2017

Figure 9 INCREASING DEMAND FOR LNG TO DRIVE THE CRYOGENIC INSULATION MARKET BETWEEN 2018 AND 2023

Figure 10 ENERGY & POWER AND CHINA ACCOUNTED FOR THE LARGEST SHARE OF THE CRYOGENIC INSULATION MARKET IN 2017

Figure 11 APAC ACCOUNTED FOR THE LARGEST MARKET SHARE IN 2017

Figure 12 ENERGY & POWER SEGMENT ACCOUNTED FOR THE LARGEST MARKET SHARE IN MIDDLE EAST & AFRICA IN 2017

Figure 13 CHINA TO BE THE FASTEST-GROWING MARKET BETWEEN 2018 AND 2023

Figure 14 DRIVERS, OPPORTUNITIES, AND RESTRAINTS IN CRYOGENIC INSULATION MARKET

Figure 15 GLOBAL NATURAL GAS ANNUAL PRODUCTION, 2012–2017 (MILLION TONNES OIL EQUIVALENT)

Figure 16 HIGH INTENSITY OF COMPETITIVE RIVALRY OWING TO THE PRESENCE OF LARGE NUMBER OF PLAYERS

Figure 17 GLOBAL NATURAL GAS ANNUAL PRODUCTION VS CONSUMPTION (MILLION TONNES OIL EQUIVALENT), 2011–2017

Figure 18 PU & PIR SEGMENT TO DOMINATE THE CRYOGENIC INSULATION MARKET BETWEEN 2018 AND 2023

Figure 19 MULTI-LAYER SEGMENT TO LEAD THE OVERALL CRYOGENIC INSULATION MARKET BETWEEN 2018 AND 2023

Figure 20 TANKS SEGMENT TO DOMINATE THE CRYOGENIC INSULATION MARKET BETWEEN 2018 AND 2023



Figure 21 ENERGY & POWER SEGMENT TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

Figure 22 MIDDLE EAST & AFRICA TO REGISTER THE HIGHEST CAGR IN THE CRYOGENIC INSULATION MARKET DURING THE FORECAST PERIOD

Figure 23 APAC: CRYOGENIC INSULATION MARKET SNAPSHOT

Figure 24 EUROPE: CRYOGENIC INSULATION MARKET SNAPSHOT

Figure 25 NORTH AMERICA: CRYOGENIC INSULATION MARKET SNAPSHOT

Figure 26 COMPANIES ADOPTED NEW PRODUCT LAUNCHES AS THE KEY GROWTH STRATEGY BETWEEN 2013 AND 2018

Figure 27 ARMACELL: COMPANY SNAPSHOT

Figure 28 LYDALL: COMPANY SNAPSHOT

Figure 29 BASF: COMPANY SNAPSHOT

Figure 30 CABOT CORPORATION: COMPANY SNAPSHOT

Figure 31 CABOT CORPORATION: SWOT ANALYSIS

Figure 32 ROCHLING GROUP: COMPANY SNAPSHOT

Figure 33 PITTSBURGH CORNING CORPORATION: COMPANY SNAPSHOT

Figure 34 IMERYS MINERALS: COMPANY SNAPSHOT

Figure 35 ASPEN AEROGELS: COMPANY SNAPSHOT

Figure 36 ISOVER (SAINT GOBAIN): COMPANY SNAPSHOT

Figure 37 AMOL DICALITE LIMITED: COMPANY SNAPSHOT

## I would like to order

Product name: Cryogenic Insulation Market by Type (PU & PIR, Cellular Glass, Polystyrene, Fiberglass, Perlite), Cryogenic Equipment (Tanks, Valves), End-Use Industry (Energy & Power, Chemicals, Metallurgical, Electronics, Shipping) - Global Forecast to 2023

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