

# Pressure Vessel Market for Alternative Fuels by Construction Type (CNG type I, CNG type II, CNG type III, and CNG type IV), Application (CNG Vehicles, Hydrogen Vehicles, and Gas Transport) - Global Opportunity Analysis and Industry Forecast, 2017-2023

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# **Abstracts**

The Pressure Vessel Market for alternative fuels was valued at \$3,038 million in 2016, and is expected to reach at \$8,529 million by 2023, growing at a CAGR of 16.6% from 2017 to 2023. CNG pressure vessels are widely used for storage and transportation of liquids and gases when configured as tanks. These vessels are generally manufactured from curved sheets joined by welding, and mostly V-butt welded pressure vessels are used. The riveted joints could be used but since the plates are weakened at the joint due to the rivet holes the plate thickness should be enhanced by considering the joint efficiency.

The pressure vessel market for alternative fuels is segmented based on construction type, application, and region. Based on construction type, it is classified into CNG type I, CNG type III and CNG type IV. Based on application, it is categorized into CNG vehicles, hydrogen vehicles and gas transport. CNG type I is the highest revenue generator for the pressure vessel's alternative fuels market in 2016, because it is least expensive out of other CNG types. Also, the metalworking skills and equipment needed to produce them are widely available internationally. CNG type IV segment is forecasted to register the highest growth rate during the forecast period as it is the lightest among other CNG types. CNG type IV reduces the weight of the storage container by 30 to 40 percent.

**Key Benefits** 



This report provides an extensive analysis of the current pressure vessel market for alternative fuels trends, future estimations, and dynamics from 2016 to 2023, which assist to identify the prevailing opportunities.

Geographically, the pressure vessel market is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

Extensive market analysis predicts the applications that are currently used and the variants that are expected to gain prominence in the future.

Detailed analysis is conducted by following key product positioning and monitoring the top competitors within the market framework.

Key players are profiled and their strategies are analyzed thoroughly, which portrays the competitive market outlook.

Pressure Vessel Market Key Segments: By Construction Type

CNG Type I

CNG Type II

**CNG Type III** 

CNG Type IV

By Application

**CNG** Vehicles

Hydrogen Vehicles

Gas Storage

By Geography



North America		
ı	U.S.	
(	Canada	
1	Mexico	
Europe		
(	Germany	
ı	UK	
I	France	
1	Italy	
I	Russia	
I	Rest of Europe	
Asia-Pacific		
(	China	
•	Japan	
I	India	
I	Rest of Asia-Pacific	
LAMEA		
I	Brazil	
,	Argentina	
;	South Africa	



UAE

Rest of LAMEA



# **Contents**

#### **CHAPTER 1. INTRODUCTION**

- 1.1. REPORT DESCRIPTION
- 1.2. KEY BENEFITS
- 1.3. KEY MARKET SEGMENT
- 1.4. RESEARCH METHODOLOGY
  - 1.4.1. Secondary Research
  - 1.4.2. Primary Research
  - 1.4.3. Analyst Tool & Model

# **CHAPTER 2. EXECUTIVE SUMMARY**

- 2.1. MARKET SNAPSHOT
- 2.2. CXO PERSPECTIVES

### **CHAPTER 3. MARKET OVERVIEW**

- 3.1. MARKET DEFINITION AND SCOPE
- 3.2. KEY FINDINGS
  - 3.2.1. Top Investment Pockets
  - 3.2.2. Top winning strategies
- 3.3. PORTERS FIVE FORCES ANALYSIS
- 3.4. MARKET DYNAMICS
  - 3.4.1. Drivers
    - 3.4.1.1. Increase in the Natural gas Vehicles (NGVs)
    - 3.4.1.2. Increase in the fuel prices
  - 3.4.3. Opportunities
  - 3.4.3.1. Acquisition & Mergers to expand the geographic reach of market players
- 3.5. MARKET SHARE ANALYSIS, 2016 (%)

# CHAPTER 4. GLOBAL PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY CONSTRUCTION TYPE

- 4.1. INTRODUCTION
  - 4.1.1. Market Size and Forecast
- 4.2. CNG TYPE I
  - 4.2.1. Key Market Trends, Growth Factors and Opportunities



- 4.2.2. Market Size and Forecast
- 4.3. CNG TYPE II
  - 4.3.1. Key Market Trends, Growth Factors and Opportunities
  - 4.3.2. Market Size and Forecast
- 4.4. CNG TYPE III
  - 4.4.1. Key Market Trends, Growth Factors and Opportunities
  - 4.4.2. Market Size and Forecast
- 4.5. CNG TYPE IV
  - 4.5.1. Key Market Trends, Growth Factors and Opportunities
  - 4.5.2. Market Size and Forecast

# CHAPTER 5. GLOBAL PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY APPLICATION

- 5.1. INTRODUCTION
- 5.1.1. Market Size and Forecast
- 5.2. CNG VEHICLE
  - 5.2.1. Key Market Trends, Growth Factors and Opportunities
  - 5.2.2. Market Size and Forecast
- 5.3. HYDROGEN VEHICLE
  - 5.3.1. Key Market Trends, Growth Factors and Opportunities
  - 5.3.2. Market Size and Forecast
- 5.4. GAS STORAGE
  - 5.4.1. Key Market Trends, Growth Factors and Opportunities
  - 5.4.2. Market Size and Forecast

# CHAPTER 6. GLOBAL PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY GEOGRAPHY

- 6.1. INTRODUCTION
  - 6.1.1. Market Size and Forecast
- 6.2. NORTH AMERICA
  - 6.2.1. Key Market Trends, Growth Factors and Opportunities
  - 6.2.2. Market Size and Forecast
  - 6.2.3. U.S.
  - 6.2.3.1. Market size and forecast, by application
  - 6.2.4. Canada
    - 6.2.4.1. Market size and forecast, by application
  - 6.2.5. Mexico



# 6.2.5.1. Market size and forecast, by application

#### 6.3. EUROPE

- 6.3.1. Key Market Trends, Growth Factors and Opportunities
- 6.3.2. Market Size and Forecast
- 6.3.3. Germany
- 6.3.3.1. Market size and forecast, by application
- 6.3.4. UK
  - 6.3.4.1. Market size and forecast, by application
- 6.3.5. France
- 6.3.5.1. Market size and forecast, by application
- 6.3.6. Italy
  - 6.3.6.1. Market size and forecast, by application
- 6.3.6. Russia
  - 6.3.6.1. Market size and forecast, by application
- 6.3.8. Rest of Europe
  - 6.3.8.1. Market size and forecast, by application
- 6.4. ASIA-PACIFIC
  - 6.4.1. Key Market Trends, Growth Factors and Opportunities
  - 6.4.2. Market Size and Forecast
  - 6.4.3. China
    - 6.4.3.1. Market size and forecast, by application
  - 6.4.4. Japan
  - 6.4.4.1. Market size and forecast, by application
  - 6.4.5. India
  - 6.4.5.1. Market size and forecast, by application
  - 6.4.6. Rest of Asia-Pacific
    - 6.4.6.1. Market size and forecast, by application

#### 6.5. LAMEA

- 6.5.1. Key Market Trends, Growth Factors and Opportunities
- 6.5.2. Market Size and Forecast
- 6.5.3. Brazil
- 6.5.3.1. Market size and forecast, by application
- 6.5.4. Argentina
  - 6.5.4.1. Market size and forecast, by application
- 6.5.5. Brazil
  - 6.5.5.1. Market size and forecast, by application
- 6.5.6. Argentina
- 6.5.6.1. Market size and forecast, by application
- 6.5.6. South Africa



- 6.5.6.1. Market size and forecast, by application
- 6.5.6. UAE
- 6.5.6.1. Market size and forecast, by application
- 6.5.6. Rest of LAMEA
- 6.5.6.1. Market size and forecast, by application

### **CHAPTER 7. COMPANY PROFILES**

## 7.1. SAMUEL CNG PRESSURE VESSEL GROUP

- 7.1.1. Company Overview
- 7.1.2. Company Snapshot
- 7.1.3. Operating Business Segments
- 7.1.4. Business Performance
- 7.1.5. Key Strategic Moves and Developments

# 7.2. DOOSAN HEAVY INDUSTRIES & CONSTRUCTION

- 7.2.1. Company Overview
- 7.2.2. Company Snapshot
- 7.2.3. Operating Business Segments
- 7.2.4. Business Performance
- 7.2.5. Key Strategic Moves and Developments
- 7.3. MITSUBISHI HEAVY INDUSTRIES, LTD.
  - 7.3.1. Company Overview
  - 7.3.2. Company Snapshot
  - 7.3.3. Operating Business Segments
  - 7.3.4. Business Performance
  - 7.3.5. Key Strategic Moves and Developments

#### 7.4. BHARAT HEAVY ELECTRICALS LIMITED

- 7.4.1. Company Overview
- 7.4.2. Company Snapshot
- 7.4.3. Operating Business Segments
- 7.4.4. Business Performance
- 7.4.5. Key Strategic Moves and Developments

# 7.5. LARSEN & TOUBRO LIMITED

- 7.5.1. Company Overview
- 7.5.2. Company Snapshot
- 7.5.3. Operating Business Segments
- 7.5.4. Business Performance
- 7.5.5. Key Strategic Moves and Developments
- 7.6. WESTINGHOUSE ELECTRIC COMPANY LLC.



- 7.6.1. Company Overview
- 7.6.2. Company Snapshot
- 7.6.3. Operating Business Segments
- 7.6.4. Business Performance
- 7.6.5. Key Strategic Moves and Developments

## 7.7. GENERAL ELECTRIC

- 7.7.1. Company Overview
- 7.7.2. Company Snapshot
- 7.7.3. Operating Business Segments
- 7.7.4. Business Performance
- 7.7.5. Key Strategic Moves and Developments

## 7.8. HALVORSEN

- 7.8.1. Company Overview
- 7.8.2. Company Snapshot
- 7.8.3. Operating Business Segments
- 7.8.4. Business Performance
- 7.8.5. Key Strategic Moves and Developments

#### 7.9. IHI CORPORATION

- 7.9.1. Company Overview
- 7.9.2. Company Snapshot
- 7.9.3. Operating Business Segments
- 7.9.4. Business Performance
- 7.9.5. Key Strategic Moves and Developments

# 7.10. CNG PRESSURE VESSELS (INDIA)

- 7.10.1. Company Overview
- 7.10.2. Company Snapshot
- 7.10.3. Operating Business Segments
- 7.10.4. Business Performance
- 7.10.5. Key Strategic Moves and Developments



# **List Of Tables**

#### LIST OF TABLES

TABLE 1. GLOBAL PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY CONSTUCTION TYPE, 2015-2023 (\$THOUSAND)

TABLE 2. GLOBAL PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY CONSTUCTION TYPE, 2015-2023 (THOUSAND UNITS)

TABLE 3. GLOBAL PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY APPLICATION, 2015-2023 (\$THOUSAND)

TABLE 4. GLOBAL PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY APPLICATION, 2015-2023 (THOUSAND UNITS)

TABLE 5. GLOBAL PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY GEOGRAPHY, 2015-2023 (\$THOUSAND)

TABLE 4. GLOBAL PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY GEOGRAPHY, 2015-2023 (THOUSAND UNITS)

TABLE 6. GLOBAL CNG I PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY GEOGRAPHY, 2015-2023 (\$THOUSAND)

TABLE 7. GLOBAL CNG I PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY GEOGRAPHY, 2015-2023 (THOUSAND UNITS)

TABLE 8. GLOBAL CNG II PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY GEOGRAPHY, 2015-2023 (\$THOUSAND)

TABLE 9. GLOBAL CNG II PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY GEOGRAPHY, 2015-2023 (THOUSAND UNITS)

TABLE 10. GLOBAL CNG III PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY GEOGRAPHY, 2015-2023 (\$THOUSAND)

TABLE 11. GLOBAL CNG III PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY GEOGRAPHY, 2015-2023 (THOUSAND UNITS)

TABLE 12. GLOBAL CNG IV PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY GEOGRAPHY, 2015-2023 (\$THOUSAND)

TABLE 13. GLOBAL CNG IV PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY GEOGRAPHY, 2015-2023 (THOUSAND UNITS)

TABLE 14. GLOBAL PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS IN CNG VEHICLE, BY GEOGRAPHY, 2015-2023 (\$THOUSAND)

TABLE 15. GLOBAL PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS IN CNG VEHICLE, BY GEOGRAPHY, 2015-2023 (THOUSAND UNITS)

TABLE 16. GLOBAL PRESSURE VESSEL MARKET IN HYDROGEN VEHICLE, BY GEOGRAPHY, 2015-2023 (\$THOUSAND)

TABLE 17. GLOBAL PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS IN



HYDROGEN VEHICLE, BY GEOGRAPHY, 2015-2023 (THOUSAND UNITS)

TABLE 18. GLOBAL PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS IN GAS STORAGE, BY GEOGRAPHY, 2015-2023 (\$THOUSAND)

TABLE 19. GLOBAL PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS IN GAS STORAGE, BY GEOGRAPHY, 2015-2023 (THOUSAND UNITS)

TABLE 20. NORTH AMERICA PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY CONSTUCTION TYPE, 2015-2023 (\$THOUSAND)

TABLE 21. NORTH AMERICA PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY CONSTUCTION TYPE 2015-2023 (THOUSAND UNITS)

TABLE 22. NORTH AMERICA PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY APPLICATION, 2015-2023 (\$THOUSAND)

TABLE 23. NORTH AMERICA PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY APPLICATION 2015-2023 (THOUSAND UNITS)

TABLE 24. NORTH AMERICA PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY COUNTRY, 2015-2023 (\$THOUSAND)

TABLE 25. NORTH AMERICA PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY COUNTRY, 2015-2023 THOUSAND UNITS)

TABLE 26. U.S. PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY APPLICATION, 2015-2023 (\$THOUSAND)

TABLE 27. U.S. PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY APPLICATION, 2015-2023 (THOUSAND UNITS)

TABLE 28. CANADA PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY APPLICATION, 2015-2023 (\$THOUSAND)

TABLE 29. CANADA PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY APPLICATION, 2015-2023 (THOUSAND UNITS)

TABLE 30. MEXICO PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY APPLICATION, 2015-2023 (\$THOUSAND)

TABLE 31. MEXICO PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY APPLICATION, 2015-2023 (THOUSAND UNITS)

TABLE 32. EUROPE PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY CONSTUCTION TYPE, 2015-2023 (\$THOUSAND)

TABLE 33. EUROPE PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY CONSTUCTION TYPE 2015-2023 (THOUSAND UNITS)

TABLE 34. EUROPE PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY APPLICATION, 2015-2023 (\$THOUSAND)

TABLE 35. EUROPE PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY APPLICATION 2015-2023 (THOUSAND UNITS)

TABLE 36. EUROPE PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY COUNTRY, 2015-2023 (\$THOUSAND)



TABLE 37. EUROPE PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY COUNTRY, 2015-2023 THOUSAND UNITS)

TABLE 38. GERMANY PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY APPLICATION, 2015-2023 (\$THOUSAND)

TABLE 39. GERMANY PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY APPLICATION, 2015-2023 (THOUSAND UNITS)

TABLE 40. UK PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY APPLICATION, 2015-2023 (\$THOUSAND)

TABLE 41. UK PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY APPLICATION, 2015-2023 (THOUSAND UNITS)

TABLE 42. FRANCE PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY APPLICATION, 2015-2023 (\$THOUSAND)

TABLE 43. FRANCE PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY APPLICATION, 2015-2023 (THOUSAND UNITS)

TABLE 44. RUSSIA PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY APPLICATION, 2015-2023 (\$THOUSAND)

TABLE 45. RUSSIA PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY APPLICATION, 2015-2023 (THOUSAND UNITS)

TABLE 46. REST OF EUROPE PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY APPLICATION, 2015-2023 (\$THOUSAND)

TABLE 47. REST OF EUROPE PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY APPLICATION, 2015-2023 (THOUSAND UNITS)

TABLE 48. ASIA-PACIFIC PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY CONSTUCTION TYPE, 2015-2023 (\$THOUSAND)

TABLE 49. ASIA-PACIFIC PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS. BY CONSTUCTION TYPE 2015-2023 (THOUSAND UNITS)

TABLE 50. ASIA-PACIFIC PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY APPLICATION, 2015-2023 (\$THOUSAND)

TABLE 51. ASIA-PACIFIC PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY APPLICATION 2015-2023 (THOUSAND UNITS)

TABLE 52. ASIA-PACIFIC PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY COUNTRY, 2015-2023 (\$THOUSAND)

TABLE 53. ASIA-PACIFIC PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY COUNTRY, 2015-2023 THOUSAND UNITS)

TABLE 54. CHINA PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY APPLICATION, 2015-2023 (\$THOUSAND)

TABLE 55. CHINA PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY APPLICATION, 2015-2023 (THOUSAND UNITS)

TABLE 56. JAPAN PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY



APPLICATION, 2015-2023 (\$THOUSAND)

TABLE 57. JAPAN PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY APPLICATION, 2015-2023 (THOUSAND UNITS)

TABLE 58. INDIA PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY APPLICATION, 2015-2023 (\$THOUSAND)

TABLE 59. INDIA PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY APPLICATION, 2015-2023 (THOUSAND UNITS)

TABLE 60. REST OF ASIA-PACIFIC PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY APPLICATION, 2015-2023 (\$THOUSAND)

TABLE 61. REST OF ASIA-PACIFIC PRESSURE VESSEL MARKET FOR

ALTERNATIVE FUELS, BY APPLICATION, 2015-2023 (THOUSAND UNITS)

TABLE 62. LAMEA PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY CONSTUCTION TYPE, 2015-2023 (\$THOUSAND)

TABLE 63. LAMEA PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY CONSTUCTION TYPE 2015-2023 (THOUSAND UNITS)

TABLE 64. LAMEA PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY APPLICATION, 2015-2023 (\$THOUSAND)

TABLE 65. LAMEA PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY APPLICATION 2015-2023 (THOUSAND UNITS)

TABLE 66. LAMEA PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY COUNTRY, 2015-2023 (\$THOUSAND)

TABLE 67. LAMEA PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY COUNTRY, 2015-2023 THOUSAND UNITS)

TABLE 68. BRAZIL PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY END-USER INDUSTRY, 2015-2023 (\$THOUSAND)

TABLE 69. BRAZIL PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY END-USER INDUSTRY, 2015-2023 (THOUSAND UNITS)

TABLE 70. ARGENTINA PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY END-USER INDUSTRY, 2015-2023 (\$THOUSAND)

TABLE 71. ARGENTINA PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY END-USER INDUSTRY, 2015-2023 (THOUSAND UNITS)

TABLE 72. SOUTH AFRICA PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY END-USER INDUSTRY, 2015-2023 (\$THOUSAND)

TABLE 73. SOUTH AFRICA PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY END-USER INDUSTRY, 2015-2023 (THOUSAND UNITS)

TABLE 74. UAE PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY END-USER INDUSTRY, 2015-2023 (\$THOUSAND)

TABLE 75. UAE PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY END-USER INDUSTRY, 2015-2023 (THOUSAND UNITS)



TABLE 76. REST OF LAMEA PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY END-USER INDUSTRY, 2015-2023 (\$THOUSAND)

TABLE 77. REST OF LAMEA PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS, BY END-USER INDUSTRY, 2015-2023 (THOUSAND UNITS)

TABLE 78. SAMUEL CNG PRESSURE VESSEL GROUP: COMPANY SNAPSHOT

TABLE 79. SAMUEL CNG PRESSURE VESSEL GROUP: OPERATING SEGMENTS

TABLE 80. DOOSAN HEAVY INDUSTRIES & CONSTRUCTION: COMPANY SNAPSHOT

TABLE 81. DOOSAN HEAVY INDUSTRIES & CONSTRUCTION: OPERATING SEGMENTS

TABLE 82. MITSUBISHI HEAVY INDUSTRIES, LTD.: COMPANY SNAPSHOT

TABLE 83. MITSUBISHI HEAVY INDUSTRIES, LTD.: OPERATING SEGMENTS

TABLE 84. BHARAT HEAVY ELECTRICALS LIMITED: COMPANY SNAPSHOT

TABLE 85. BHARAT HEAVY ELECTRICALS LIMITED: OPERATING SEGMENTS

TABLE 86. LARSEN & TOURBO LIMITED: COMPANY SNAPSHOT

TABLE 87. LARSEN & TOURBO LIMITED: OPERATING SEGMENTS

TABLE 88. WESTINGHOUSE ELECTRICAL COMPANY LLC.: COMPANY SNAPSHOT

TABLE 89. WESTINGHOUSE ELECTRICAL COMPANY LLC.: OPERATING SEGMENTS

TABLE 90. GENERAL ELECTRIC: COMPANY SNAPSHOT

TABLE 91. GENERAL ELECTRIC: OPERATING SEGMENTS

TABLE 92. HALYORSEN: COMPANY SNAPSHOT

TABLE 93. HALYORSEN: OPERATING SEGMENTS

TABLE 94. IHI CORPORATION: COMPANY SNAPSHOT

TABLE 95. IHI CORPORATION: OPERATING SEGMENTS

TABLE 96. CNG PRESSURE VESSELS (INDIA): COMPANY SNAPSHOT

TABLE 97. CNG PRESSURE VESSELS (INDIA): OPERATING SEGMENTS



# **List Of Figures**

#### LIST OF FIGURES

FIGURE 1. GLOBAL PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS: SEGMENTATION

FIGURE 2. GLOBAL PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS SHARE, BY APPLICATION, 2015 (%)

FIGURE 3. TOP INVESTMENT POCKETS, BY CONSTUCTION TYPE

FIGURE 4. TOP WINNING STRATEGIES

FIGURE 5. BARGAINING POWER OF SUPPLIERS

FIGURE 6. BARGAINING POWER OF BUYERS

FIGURE 7. THREAT OF NEW ENTRANTS

FIGURE 8. THREAT OF SUBSTITUTES

FIGURE 9. COMPETITIVE RIVALRY

FIGURE 10. U.S. PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS VALUE, 2015-2023 (\$THOUSAND)

FIGURE 11. CANADA PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS VALUE, 2015-2023 (\$THOUSAND)

FIGURE 12. MEXICO PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS VALUE, 2015-2023 (\$THOUSAND)

FIGURE 13. GERMANY PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS VALUE, 2015-2023 (\$THOUSAND)

FIGURE 14. UK PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS VALUE, 2015-2023 (\$THOUSAND)

FIGURE 15. FRANCE PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS VALUE, 2015-2023 (\$THOUSAND)

FIGURE 16. ITALY PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS VALUE, 2015-2023 (\$THOUSAND)

FIGURE 17. RUSSIA PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS VALUE, 2015-2023 (\$THOUSAND)

FIGURE 18. REST OF EUROPE PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS VALUE, 2015-2023 (\$THOUSAND)

FIGURE 19. CHINA PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS VALUE, 2015-2023 (\$THOUSAND)

FIGURE 20. JAPAN PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS VALUE, 2015-2023 (\$THOUSAND)

FIGURE 21. INDIA PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS VALUE, 2015-2023 (\$THOUSAND)



FIGURE 22. REST OF ASIA-PACIFIC PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS VALUE, 2015-2023 (\$THOUSAND)

FIGURE 23. BRAZIL PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS VALUE, 2015-2023 (\$THOUSAND)

FIGURE 24. ARGENTINA PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS VALUE, 2015-2023 (\$THOUSAND)

FIGURE 25. SOUTHA AFRICA PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS VALUE, 2015-2023 (\$THOUSAND)

FIGURE 26. UAE PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS VALUE, 2015-2023 (\$THOUSAND)

FIGURE 27. REST OF LAMEA PRESSURE VESSEL MARKET FOR ALTERNATIVE FUELS VALUE, 2015-2023 (\$THOUSAND)



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