Growth Opportunities for Composite CNG Tanks in Global Automotive Industry 2015-2020: Trend, Forecast, and Competitive Analysis

Description: According to a new market report, the future of composite CNG tanks in the global automotive industry looks attractive with increasing penetration of composite tanks and rising CNG-powered vehicle population. The composite CNG tank market is forecast to grow at a CAGR of 10.2% from 2015 to 2020. Composite CNG tanks are much lighter than their conventional counterparts, resulting in weight savings and more fuel storage capacity while providing an additional improvement in fuel economy of vehicles. The growth of the composite CNG tank market in the automotive industry is also driven by a rising number of natural gas vehicles. The demand for natural gas-powered vehicles is increasing, as most of the countries are focusing on reduction of carbon emission, and this demand is also accelerated by the availability of low-cost natural gas as compared to gasoline and diesel.

Heavy-duty vehicles are expected to generate a huge demand for composite CNG tanks, as many fleet operators are switching towards CNG-powered vehicles to reduce their operating cost. Significant growth in the demand for type-IV tank is expected due to the high pressure requirement to store an increasingly greater volume of gas, which also reduces the overall cost of transportation for fleet operators. Carbon fibers are expected to secure high attention from CNG tank manufacturers in the next five years; the present designs of CNG tanks make high use of glass fiber by volume.

Europe is expected to remain the largest market due to an increase in NGV population as well as high demand for lightweight tanks. In terms of regional market, North America is expected to depict the highest growth over the next five years and will remain a preferred destination for global giants owing to the development of new NGV vehicles backed by huge natural gas exploration activities.

For market expansion, the report suggests innovation and new product development, where the unique characteristics of CNG tanks can be capitalized. The report further suggests the development of partnerships with customers to create win-win situations and the development of low-cost solutions for end users. Emerging trends, which have a direct impact on the dynamics of the industry, include development of Type-V tanks wholly made of composite materials and evaluation of large tow carbon fiber for cost reduction.

The major players participating in this industry are Hexagon Composites, Luxfer Gas Cylinders, Faber Industrie, Beijing Tianhai Industry Co., Ltd. (BTIC), MCS International, xperion, and Quantum Technologies. There are some companies that are opting for M&A as a strategic initiative for driving growth.

The report serves as a springboard for growth strategies, as it provides a comprehensive data and analysis on trends, key drivers, and directions. The study includes a forecast for the composite CNG tank market through 2020, segmented by tank type, vehicle type, raw material, and region as follows:

By tank type [volume (thousand units) and $ million shipment from 2009 to 2020]:
- Type-I
- Type-II
- Type-III
- Type-IV

By vehicle type [$ million shipment from 2009 to 2020]:
- Light-Duty Vehicles
- Heavy-Duty Vehicles

By raw material type [volume (million pounds) and $ million shipment from 2009 to 2020]:
- Glass Fiber Composites
- Carbon Fiber Composites
By region [volume (million pounds) and $ million shipment from 2009 to 2020]:

- North America
- Europe
- Asia Pacific
- Rest of the World

This unique report will provide you with valuable information, insights, and tools needed to identify new growth opportunities and operate your business successfully in this market. This report will save hundreds of hours of your own personal research time and will significantly benefit you in expanding your business in this market. In today’s stringent economy, you need every advantage that you can find.

To make business, investment, and strategic decisions, you need timely, useful information. This market report fulfills this core need and is an indispensable reference guide for multinational materials suppliers, product manufacturers, investors, executives, distributors, and many more that operate in this market.

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Some of the features of “Growth Opportunities for Composite CNG Tanks in Global Automotive Industry 2015-2020: Trend, Forecast, and Competitive Analysis” include:

- Market size estimates: Growth opportunities for composite CNG tanks in global automotive industry size estimation in terms of volume (units) and value ($M) shipment.
- Trend and forecast analysis: Growth opportunities for composite CNG tanks in global automotive industry trend (2009-2014) and forecast (2015-2020) by region and segment.
- Segmentation analysis: Growth opportunities for composite CNG tanks in global automotive industry In term of tank types such as type- I, type- II, type- III and type- IV both in terms of volume and value shipment.
- Composite material demand by type, glass fiber and carbon fiber in ($M) and M lbs.
- Regional analysis: Growth opportunities for composite CNG tanks in global automotive industry breakdown by key regions such as North America, Europe, Asia Pacific, and Rest of World.
- Growth opportunities: Analysis on growth opportunities in different applications and regions.
- Strategic analysis: This includes M&A, new product development, competitive landscape, and expansion strategies of composite CNG tanks suppliers in global automotive industry.
- Analysis of competitive intensity of the industry based on Porter’s Five Forces model.

Contents:

1. Executive Summary

2. CNG Tanks for Automotive Industry Background and Classification
   2.1: Introduction
   2.2: Industry Classification
      2.2.1: Steel Tanks or Type-I Tanks
      2.2.2: Composites Tanks
   2.3: Markets Served
      2.3.1: Light-Duty Vehicles
      2.3.2: Heavy-Duty Vehicles
   2.4: Manufacturing Process
   2.5: Supply Chain

3. Market Trend and Forecast Analysis
   3.1: Current Market Analysis
      3.1.1: Global CNG Tanks Market by Value and Volume
      3.1.2: Regional Markets for CNG Tank by Value and Volume
   3.2: Market Trend Analysis
      3.2.1: Macroeconomic Trends
      3.2.2: Global CNG Tanks Market by Value and Volume
      3.2.3: Global CNG Tanks Market Trend by Type
      3.2.4: Global Composite CNG Tanks Market Trend by Application
      3.2.5: Global Composite CNG Tanks Market by Type of Raw Materials
      3.2.6: Regional Market Trend for CNG Tank by Value and Volume
3.2.7: Industry Drivers and Challenges

3.3: Market Forecast Analysis
   3.3.1: Macroeconomic Forecasts
   3.3.2: Global CNG Tanks Market by Value and by Volume
   3.3.3: Forecast for Global Composite CNG Tanks Market by Type
   3.3.4: Forecast for Global Composite CNG Tanks Market by Applications
   3.3.5: Forecast for Global Composite CNG Tanks Market by Fiber Type
   3.3.6: Forecast for Global Composite CNG Tanks Market by Region

4. Competitor Analysis
   4.1: Product Portfolio Analysis
   4.2: Market Share Analysis
   4.3: Geographical Reach
   4.4: Operational Integration
   4.5: Porter's Five Forces Analysis of Composite CNG Tanks Market in Global Automotive Industry

5. Growth Opportunity and Strategic Analysis
   5.1: Growth Opportunities Analysis
      5.1.1: Innovations
   5.2: Emerging Trends in Composite CNG Tank Market
   5.3: Strategic Analysis
      5.3.1: New Market Entry
      5.3.2: Expansion Strategy
      5.3.3: Product-Market Growth Matrix for Global Composite CNG Tanks for Automotive Industry
   5.4: Mergers and Acquisitions

6. Company Profiles of Leading Players

7. Customer Analysis
   7.1: Customer in Different Segments
   7.2: Customer’s Geographic Reach
   7.3: Major Customer Profiles

List of Figures
Chapter 2. CNG Tanks for Automotive Industry Background and Classification
   Figure 2.1: Types of CNG Tanks for Automotive Industry
   Figure 2.2: Typical Weight Range for 200 Bar Cylinders (Source: US DOT)
   Figure 2.3: Steel CNG Fuel Tank for Vehicles (Source: Global Bridge International)
   Figure 2.4: Traditional Steel CNG Tank Used in Vehicles (Source: Cilbras)
   Figure 2.5: Fiber Reinforced CNG Tank
   Figure 2.6: Type-II Aluminum Composites Fuel Tank (Source: BTIC)
   Figure 2.7: Carbon Fiber Composite CNG Fuel Type-III Tank (Source: Luxfer)
   Figure 2.8: Sun Bus Loaded with 12 Type-IV CNG Fuel Tanks Mounted on Bus Roof (Source: Quantum Fuel Storage System)
   Figure 2.9: Composites Tanks with Safety Valves and Fittings (Source: Luxfer Dynetek)
   Figure 2.10: Hydraulic Pressure Cycle Testing in CNG Tanks (Source: Powertech Labs)
   Figure 2.11: CNG Permeation Test in CNG Type-IV Tank (Source: Powertech Labs)
   Figure 2.12: Historic CNG Vehicle and Equipment
   Figure 2.13: 1932 Chrysler “Ironsides” Powered by a Mogas Natural Gas System
   Figure 2.14: Toyota Camry Natural Gas Hybrid CNG Vehicle (Source: Toyota NGV)
   Figure 2.15: A CNG-Fueled Taxi in India
   Figure 2.16: 2007 Honda Civic GX with a 4-Cylinder Engine that Runs on CNG
   Figure 2.17: Iveco Stralis CNG Waste Disposal Truck (Source: Iveco)
   Figure 2.18: Renault CNG Gas Truck (Source: Renault)
   Figure 2.19: Mercedes-Benz Econic Refuels from a Biogas Dispenser (Source: Mercedes)
   Figure 2.20: Mercedes-Benz Urban Bus -- the Citaro CNG (Source: Mercedes)
   Figure 2.21: Filament Winding Process of Manufacturing CNG Tanks
   Figure 2.22: Fiber Raw Materials
   Figure 2.23: Impregnation Bath/Epoxy Resin
   Figure 2.24: Filament Winding
   Figure 2.25: Curing Oven
   Figure 2.26: Supply Chain of Composite CNG Tank Market
Chapter 3. Market Trend and Forecast Analysis

Figure 3.1: Distribution of Global CNG Tank Market ($M) by Type in 2014
Figure 3.2: Global CNG Tank Market ($M) by Type in 2014
Figure 3.3: Distribution of Global CNG Tank Market (Thousand Units) by Type in 2014
Figure 3.4: Global CNG Tanks Market (Thousand Units) by Type in 2014
Figure 3.5: Distribution of Composite Consumption (Million Pounds) in Global CNG Tank Market by Type in 2014
Figure 3.6: Composite Consumption (Million Pounds) in Global CNG Tank Market by Type in 2014
Figure 3.7: Global Composite CNG Tank Market ($M) Distribution by Vehicle Type in 2014
Figure 3.8: Global Composite CNG Tank Market ($M) by Vehicle Type in 2014
Figure 3.9: Composite Consumption ($M) Distribution in Global CNG Tank Market by Fiber Type in 2014
Figure 3.10: Composite Consumption ($M) in Global CNG Tanks Market by Fiber Type in 2014
Figure 3.11: Composite Consumption (Million Pounds) Distribution in Global CNG Tanks Market by Fiber Type in 2014
Figure 3.12: Composite Consumption (Million Pounds) in Global CNG Tanks Market by Fiber Types in 2014
Figure 3.13: Global Composite CNG Tanks Market ($M) Distribution by Region in 2014
Figure 3.14: Global Composite CNG Tanks Market ($M) by Region in 2014
Figure 3.15: Global Composite CNG Tanks Market (Thousand Units) Distribution by Region in 2014
Figure 3.16: Global Composite CNG Tanks Market (Thousand Units) by Region in 2014
Figure 3.17: Natural Gas Vehicle Penetration in Global Automotive Production (Million Units) in 2014
Figure 3.18: Trend of Global Natural Gas Vehicles (Cumulative) in Million Units from 2009 to 2014
Figure 3.19: Trend of Global Natural Gas Vehicles (Annual) in Million Units from 2009 to 2014
Figure 3.20: Trend of Global Natural Gas Vehicles (Annual) in Million Units from 2009 to 2014
Figure 3.21: Trend of Light-Duty Natural Gas Vehicles (Thousands Units) from 2009 to 2014
Figure 3.22: Trend of Light-Duty CNG Vehicles (Thousands Units) from 2009 to 2014
Figure 3.23: Trend of Heavy-Duty Natural Gas Vehicles (Thousands Units) from 2009 to 2014
Figure 3.24: Trend of Heavy-Duty CNG Vehicles (Thousands Units) from 2009 to 2014
Figure 3.25: Trend of Other Natural Gas Vehicles (Thousands Units) from 2009 to 2014
Figure 3.26: Trend of Other CNG Vehicles (Thousands Units) from 2009 to 2014
Figure 3.27: Top Five NGV Populated Countries in 2014 (Source: IANGV)
Figure 3.28: Penetration of CNG Vehicles (Million Units) in Total NGV Industry in 2014
Figure 3.29: Comparison of Average Prices of Retail Fuels in the US from 2009 to 2014
Figure 3.30: Global CNG Tanks Market Trend from 2009 to 2014
Figure 3.31: Global Composite CNG Tanks Market Trend from 2009 to 2014
Figure 3.32: Composite Consumption Trend in Global CNG Tanks Market from 2009 to 2014
Figure 3.33: Global CNG Tanks Market ($M) Trend by Type from 2009 to 2014
Figure 3.34: Global CNG Tanks Market (Thousand Units) Trend by Type from 2009 to 2014
Figure 3.35: Global Composite CNG Tanks Market ($M) Trend by Type from 2009 to 2014
Figure 3.36: Global Composite CNG Tanks Market (Thousand Units) Trend by Type from 2009 to 2014
Figure 3.37: Composite Consumption (Million Pounds) Trend in Global CNG Tanks Market by Type from 2009 to 2014
Figure 3.38: CAGR of Composite CNG Tanks Market by Type from 2009 to 2014
Figure 3.39: Global Composite CNG Tanks Market ($M) Trend by Region from 2009 to 2014
Figure 3.40: CAGR of Composite CNG Tanks Market by Vehicle Type from 2009 to 2014
Figure 3.41: Composite Consumption in CNG Tanks Market ($M) by Type of Fiber from 2009 to 2014
Figure 3.42: Composite Consumption in CNG Tanks Market (Million Pounds) by Type of Fiber from 2009 to 2014
Figure 3.43: CAGR of Composite Consumption in Global CNG Tanks Market by Fiber Type from 2009 to 2014
Figure 3.44: Composite CNG Tanks Market ($M) by Region from 2009 to 2014
Figure 3.45: Composite CNG Tanks Market (Thousand Units) by Region from 2009 to 2014
Figure 3.46: CAGR of Composite CNG Tanks Market by Region from 2009 to 2014
Figure 3.47: Drivers and Challenges in Global CNG Tanks Market
Figure 3.48: Forecast for Global Natural Gas Vehicles (Cumulative) in Million Units from 2015 to 2020
Figure 3.49: Global Natural Gas Vehicles (Million Units) Forecast (Annual) from 2015 to 2020
Figure 3.50: Global Natural Gas Vehicles (Million Units) Forecast (Annual) from 2015 to 2020
Figure 3.51: Forecast for Light-Duty Natural Gas Vehicle (Thousand Units) from 2015 to 2020
Figure 3.52: Forecast for Light-Duty CNG Vehicles Market (Thousand Units) from 2015 to 2020
Figure 3.53: Forecast for Heavy-Duty Natural Gas Vehicle (Thousands Units) from 2015 to 2020
Figure 3.54: Forecast for Heavy-Duty CNG Vehicles Market (Thousands Units) from 2015 to 2020
Figure 3.55: Forecast for Other Natural Gas Vehicle (Thousands Units) from 2015 to 2020
Figure 3.56: Forecast for Other CNG Vehicles Market (Thousands Units) from 2015 to 2020
Figure 3.57: Price Forecast for Alternative Fuels from 2015 to 2020 (Source: World Bank Commodity Price
Chapter 1. Executive Summary

Table 1.1: Market Parameters for Global Composite CNG Tank Market and Attributes of Usage

Chapter 2. CNG Tanks for Automotive Industry Background and Classification

Table 2.1: Comparative Data of CNG Tanks Used for Automotive Applications
Table 2.2: Competing Materials’ Presence across Different Types of Tanks
Table 2.3: Range of Fiber Mechanical Properties (Source: International Gas Union Report)

Chapter 3. Market Trend and Forecast Analysis

Table 3.1: Market Trends (from 2009 to 2014) in Global CNG Tanks Shipment
Table 3.2: Average Growth Rates for One, Three, and Five Years in Global CNG Tanks Market in Terms of $ Shipment
Table 3.3: Market Trends in Global Composite CNG Tanks Shipment
Table 3.4: Average Growth Rates for One, Three, and Five Years in Global Composite CNG Tanks Market in Terms of $ Shipment
Table 3.5: Market Forecast (from 2015 to 2020) in Global CNG Tanks Shipment
Table 3.6: Average Growth Rates for One, Three, and Five Years in Global CNG Tanks Market in Terms of $ Shipment

Chapter 4. Competitor Analysis

Figure 4.1: Market Share Analysis of Composite CNG Tanks Market in 2014 ($M)
Figure 4.2: Market Share Analysis of Composite CNG Type-II Tank Market in 2014 ($M)
Figure 4.3: Market Share Analysis of Composite CNG Type-III Tank Market in 2014 ($M)
Figure 4.4: Market Share Analysis of Composite CNG Type-IV Tank Market in 2014 ($M)
Figure 4.5: Geographical Footprint of Composite CNG Tank Manufacturers
Figure 4.6: Market Coverage Matrix for Global Composite CNG Tanks Market
Figure 4.7: Porter’s Five Forces Model for Global Composite CNG Tanks Market

Chapter 5. Growth Opportunity and Strategic Analysis

Figure 5.1: Growth Opportunities in Global CNG Tanks Market by Type from 2015 to 2020
Figure 5.2: Growth Opportunities in Composite CNG Tanks Market by Region from 2015 to 2020
Figure 5.3: Growth Opportunities for Composite Materials in Global CNG Tanks Market from 2015 to 2020
Figure 5.5: Emerging Trends in Composite CNG Tanks Market
Figure 5.6: KIBOKO Linerless Composite CNG Pressure Vessel
Figure 5.7: Energtek Demonstration of CNG Lite Technology
Figure 5.8: Major Capacity Expansion in Composite CNG Tanks Market by Major Players
Figure 5.9: Product- Market Strategy for Global Automotive CNG Tanks Market

Chapter 7. Customer Analysis

Figure 7.1: Major OEMs in Global Natural Gas Vehicle Market
Figure 7.2: Geographical Footprint of Customers of Composite CNG Tanks Market

List of Tables
Table 3.7: Market Forecast in Global Composite CNG Tanks Shipment
Table 3.8: Average Growth Rates for One, Three, and Five Years in Global Composite CNG Tanks Market in Terms of $ Shipment

Chapter 4. Competitor Analysis
  Table 4.1: Composite CNG Tank Manufacturers in Automotive Industry Product Details
  Table 4.2: Product Mapping of Composite CNG Tank Manufacturers in Automotive Industry Based on Type of Tanks
  Table 4.3: Product Mapping of Composite CNG Tank Manufacturers in Automotive Industry Based on Type of Vehicles
  Table 4.4: Composite CNG Tank Manufacturers with their Headquarter Location
  Table 4.5: Presence of Composite CNG Tank Manufacturers across the Value Chain

Chapter 5. Growth Opportunity and Strategic Analysis
  Table 5.1: New Players in Composite CNG Tanks Market
  Table 5.2: Innovations in Composite CNG Tanks Market

Chapter 7. Customer Analysis
  Table 7.1: Major Customers/End Users of Composite CNG Tanks for Different Market Segments
  Table 7.2: Recent Developments in Natural Gas Vehicles

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