

Growth Opportunities in Global Automotive Composites CNG Tank Market 2012-2017: Trend, Forecast and Market Share Analysis, June 2012

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Abstracts

CNG is natural gas that has been compressed into a high-pressure container for transportation or storage. Initially the high-pressure cylinders used to store the natural gas were manufactured and tested in accordance with the industrial cylinder standards.

High pressure composite vessels were introduced more than 70 years before and were especially developed for space and military applications. The experimentation of composite vessels started in the 50s but the first high pressure vessels used for space and military applications started actually in the 60s in the US. In the late 1980's, experimental applications of composite reinforced plastic liners in CNG service occurred in Sweden, Russia and France. Following the development of natural gas vehicle cylinder standards in North America, fully-wrapped designs with relatively thin aluminum liners or plastic liners reinforced with a full wrapping of glass fiber and/or carbon fiber reinforcement were introduced into CNG service commencing in 1992.

According to Lucintel's report 'Growth Opportunities in Global Automotive Composite CNG Tank Market 2010-2015: Trends, Forecast and Market Analysis ' Composites in CNG tank market is expected to grow at double digit rate in coming five years with focus on weight reduction, fuel efficiency and better vehicle performance. Over the next 5 years, total composites consumption in CNG Tank market is expected to continue strong a growth momentum of 10% CAGR i.e. by 2015, and CNG composites tank market is estimated to grow at a CAGR of 15%. The end product market is expected to reach above \$120 M by 2015.

Composites CNG tank market holds promising present and future for light weight tanks with an increased focus on environmental performance and fuel efficiency. Traditional

tank manufacturers are repositioning their companies by customizing and widening their product offering. Heavy Duty Vehicles are the most significant application of composites tanks but Light Duty Vehicles are gaining popularity and expected to grow with double digit growth rate. Significant regional shift is taking place in the overall CNG tank market; this new dimension is likely to provide tremendous growth to regional players and existing companies are expected to face fierce competition in the coming time.

This unique report from Lucintel will provide you with valuable information, insights and tools needed to identify new growth opportunities and operate your business successfully in CNG tank market. This report will save your hundreds of hour's 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.

Some of the features of this market report are:

Market size of Composites CNG tank market by value & volume shipment.

Composite shipment volumes across various types of tanks ,i.e. type-II,III & IV

Different high potential application areas of composites in LDV's, HDV's & other vehicles.

Major growth drivers for each of different type of tanks

Trend (2004-2009) and forecast (2010-2015) for composites market in CNG tank with the material of choice for the tank manufacturers, growing segment for CNG tanks.

Strength and Weakness of each of the composites market.

Regional breakdown has been provided in the report.

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