

The Automotive Compressed Natural Gas Vehicles (NGV) Market 2013-2023 - Prospects for CNG Passenger Cars

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Abstracts

The automotive compressed natural gas vehicles (NGV) market is a dynamic and capital intensive industry. Gas systems fitted as original equipment follow the global demand for new vehicles and the cyclical nature of this business. In addition, demand for gas systems closely tracks the price of alternative fuels with the key driver for most purchases being the savings over petrol or diesel. In recent years the rise of hybrid systems and the increasing choice of battery vehicles has further widened the choice of alternative energy sources for passenger cars. As this report will establish, there is considerable variation at country and regional level in the demand for natural gas vehicles and this report will explains the reasons for this. Visiongain assessed that the global sales of compressed natural gas vehicles will reach 1.5 million in 2013.

Aftermarket systems have traditionally been the way cars were converted to run on compressed natural gas but as awareness of the benefits of natural gas vehicles grows more manufacturers are following companies like Fiat and Volvo and offering factory fitted options. Other manufacturers are offering CNG preparatory work at the factory and approved specialists then fit out the car.

Visiongain notes that in the three main automotive markets of the world (China, the US and the European Union) car types and in turn vehicle sizes vary with US cars in general being bigger than those in China and the European Union. In turn each market has different growth rates and drivers of demand which will be covered in more detail in this report.

China, which since 2009, has been the largest producer and consumer of passenger cars in the world, has thus become of critical importance for all manufacturers. The



global influence of the Chinese consumer has been felt throughout the automotive business and this report will examine the effects globally as the Chinese producers have first satisfied home grown demand and then turned to global exports.

However, natural gas vehicles have not to date proven popular in China, however officials are focussing on the big picture: air pollution, energy security and economic growth. Besides homes, utilities and factories, the government for the first time targeted the transport sector, covering buses, taxis, trucks, and vessels as preferred users of natural gas, according to a document published on the website of the National Development & Reform Commission in October 2012. This increasing use of gas for larger vehicles will help to grow awareness of gas as a fuel source for passenger cars and help to grow the market.

Visiongain's analysis of this fast changing sector therefore covers the global market with detailed predictions of the countries which, through adjusting their energy policies for their national markets can have a major impact on global consumers.

Vehicles and the corresponding vehicle sizes are examined with a detailed regional analysis of the market with regional trends by country and by vehicle size explored. As the global car manufacturing sector expands in some regions and contracts in others visiongain analyses this trend, the impacts on both the original equipment manufacturer and aftermarket sectors and predicts how these trends are affected by microeconomic factors influencing the industry's prospects such as supply and demand dynamics, consumer behaviour, company behaviour, product pricing and demand elasticity.

Why you should buy The Automotive Compressed Natural Gas Vehicles (NGV) Market 2013-2023: Prospects for CNG Passenger Cars

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Fiat Group Automobiles S.P.A, Daniele Chiari, Head of EMEA Product Planning & Institutional Relations

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Rest of Asia & China Middle East & Rest of World View penetration rate % forecasts for each of the regional automotive compressed natural gas vehicles (NGV) markets from 2013-2023 Discover overall automotive market sector analysis and forecasts by vehicle segment Mini cars Small Lower medium Medium Large **SUV 18** Other Understand the competitive landscape with profiles of 15 leading automotive compressed natural gas vehicles (NGV) companies examining their positioning, products, services, focus, strategies and outlook. Chang'an Motors Daimler AG Fiat Ford Geely Models



General Motors
Great Wall Motor Co.
Hindustan
Honda
Hyundai-Kia
Iran Khodro
Suzuki
Volkswagen Group
Shanghai Volkswagen
Volvo Group

Discover the qualitative analysis informing the automotive compressed natural gas vehicles (NGV) market with a SWOT analysis of competitive factors: strengths, weaknesses, opportunities and threats revealing what drives and restrains the industry and the prospects for established companies and new market entrants.

What makes this report unique?

Visiongain consulted widely with industry experts and the full transcript from the exclusive interview with Daniele Chiari who is Head of EMEA Product Planning & Institutional Relations at Fiat Group Automobiles S.P.A is included in the report.

As such, our reports have a unique blend of primary and secondary sources providing informed analysis. This methodology allows insight into the key drivers and restraints behind market dynamics and competitive developments, as well as identifying the technological issues.

The report therefore presents an ideal balance of qualitative analysis combined with



extensive quantitative data including global, submarket and regional markets forecasts from 2013-2023 - all identifying strategic business opportunities.

How The Automotive Compressed Natural Gas Vehicles (NGV) Market 2013-2023: Prospects for CNG Passenger Cars report can benefit you

Visiongain's report is for anyone requiring analysis of the automotive compressed natural gas vehicles (NGV) market. You will discover market forecasts, technological trends, predictions and expert opinion providing you with independent analysis derived from our extensive primary and secondary research. Only by purchasing this report will you receive this critical business intelligence revealing where revenue growth is likely and where the lucrative potential market prospects are.

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About

Daniele Chiari is Head of EMEA Product Planning & Institutional Relations at Fiat Group Automobiles S.P.A

Visiongain would like to thank Daniele Chiari and Fiat Group Automobiles S.P.A for their cooperation and contribution.

Visiongain: What would you say are the key trends and developments in the Global Automotive Natural Gas Vehicles (NGV) Market and why?

Fiat Group Automobiles S.P.A: Italy is a well-developed market for natural gas vehicles (in 2012 around 60,000 vehicles were registered). CNG technology has a high market potential as it combines environmental advantages with accessible costs for the customer. Moreover, Natural Gas is an enabler to even cleaner forms of mobility including the use of Biogas and mixtures of Natural Gas and Hydrogen: in this sense it represents a 'ready now' answer to the needs of mobility based on renewable sources of energy.

Visiongain: Are there any particular technical issues surrounding Global Automotive Natural Gas Vehicles (NGV) technologies?

Fiat Group Automobiles S.P.A: From the technical point of view there are no specific problems. Fiat Group has sold more than 560,000 cars and commercial vehicles from 1997. Our technological evolution allowed us to win important prizes. For example, the new CNG TwinAir Turbo engine of the Nuova Panda (New Panda) received the 'Best Green Engine of the Year 2013' title, one of the twelve categories of the prestigious 'International Engine of the Year Awards'.



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