

Iveco combines LNG technology with longer vehicle test

Iveco's choice to focus on natural gas technology is reinforced when combined with using 18-metre-long solutions for articulated vehicles. This mix represents an efficient choice which meets the needs of environmentally friendly logistics.

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The need to reduce fuel consumption, CO₂ emissions and traffic congestion means enhancing productivity in transport is a very important issue. Iveco has responded with an innovative and efficient solution: combining the potential of natural gas technology with the productivity benefits stemming from the use of 18-metre-long articulated vehicles.

Iveco recently teamed up with SMET – the forward-thinking European logistics company – to trial the integration of two highly profitable green solutions, with an 18-metre-long articulated combination driven by an LNG-powered Stralis.

The results exceeded expectations: the 18-metre/LNG solution delivered significant advantages compared with the traditional diesel offer, both in terms of the total cost of ownership (TCO) and environmental impact.

Working in conjunction with SMET, Iveco had the opportunity to conduct a field-trial – on real missions – to evaluate the reduction in the average cost per unit for goods transported. Together, the two companies tested the compatibility of 18-metre-long articulated trucks on the road infrastructure and their parking manoeuvrability; the trial also highlighted the reduction in fuel consumption per unit for transported goods and, consequently, in CO₂ emissions.

Authorised in July 2008 by the Italian Ministry of Infrastructure and Transport, Progetto DICHIOTTO (which means "Project Eighteen") was launched by the ANFIA (Italian Automotive Industry Association) in Italy to test the impact on transport efficiency of increasing the length of articulated trucks to 18 metres from the current standard length of 16.5 metres.

Lengthening semi-trailers by around 1.5 metres is the only planned variation from standard vehicles; all the other basic specifications remain unchanged, from axle loads to manoeuvrability under current

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legislation. The results achieved by Progetto DICIOTTO in Italy have improved transport efficiency by almost 10% on trial vehicles.

Similar experiments are also underway in other European countries including the Czech Republic, Germany and the UK.

Pierre Lahutte, Iveco Brand President, said: *“Iveco and SMET’s decision to field-test an 18- metre-long LNG Stralis has definitely proven to be a winning combination and reaffirms Iveco’s commitment and role in increasing sustainable mobility.”*

A new Iveco message. Your Partner for Sustainable Transport.

Thanks to its focus and ongoing research in new technologies, Iveco has become a European leader in the alternative fuel sector, anticipating solutions which will contribute to further reducing the environmental impact of the transport sector and becoming the perfect partner for sustainable transport, as evidenced by the new marketing strap line: **Iveco. Your Partner for Sustainable Transport.**

Iveco is the leader in the natural gas-driven commercial vehicle sector with a complete range of light, medium- and heavy-duty commercial vehicles and buses with more than **14,000 units delivered** into service to-date.

There are many advantages to using this type of vehicle, both in terms of environmental sustainability and profitability for customers. Indeed, in terms of emissions, natural gas engines are more environmentally friendly than their diesel Euro VI counterparts. Natural gas is a much cleaner fuel in terms of its minimal particulate emissions (-95% compared to diesel) and NOx emissions (-35%). Furthermore, these vehicles make it possible to reduce vehicle CO₂ emissions from 10% up to 100% if using bio-methane. Lastly, it ensures a quieter vehicle with an average decrease of 5 decibels in comparison to its diesel brother, making it perfect for waste collection operations and night-time distribution.

From the standpoint of economic sustainability, these vehicles generate TCO savings of up to 10%. Natural gas is also markedly less expensive than diesel, and it enables fuel costs to be reduced by up to 40%.

Iveco

Iveco is a brand of CNH Industrial N.V., a World leader in Capital Goods listed on the New York Stock Exchange (NYSE: CNHI) and on the Mercato Telematico Azionario of the Borsa Italiana (MI: CNHI). Iveco designs, manufactures and markets a wide range of light, medium and heavy commercial vehicles, off-road trucks, and vehicles for applications such as off-road missions.

The brand's wide range of products include the Daily, a vehicle that covers the 3 – 7 ton vehicle weight segment, the Eurocargo from 6 – 16 tons, the Trakker (dedicated to off-road missions) and the Stralis, both over 16 tons. In addition, the Iveco Astra brand builds off-road trucks, rigid and articulated dumpers as well as special vehicles.

Iveco employs close to 21,000 individuals globally. It manages production sites in 7 countries throughout Europe, Asia, Africa, Oceania and Latin America where it produces vehicles featuring the latest advanced technologies. 4,200 sales and service outlets in over 160 countries guarantee technical support wherever an Iveco vehicle is at work.

For further information about Iveco: www.iveco.com

For further information about CNH Industrial: www.cnhindustrial.com

For further information, please contact:

Iveco Press Office – EMEA Region

pressoffice@iveco.com

www.ivecopress.com

Tel. +39 011 00 72965

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