

NEW STRALIS *NP* *TCO₂* CHAMPION



IVECO

Your partner for sustainable transport



NEW STRALIS NP

There is a “turning point” in any technology – when it breaks the barrier of economic payback. There is also a “turnaround product” that marks that very point – and in the case of natural gas, this is our **NEW STRALIS NP**.

FOR OUR PLANET

Greenhouse gases and pollution represent an issue that cannot be neglected, or tackled with existing technology. To make freight transport more sustainable, the industry needs new solutions.

Based on 25 years of continuous improvement, **IVECO NATURAL POWER** vehicles maximise the environmental advantages of natural gas.

Natural gas is the most eco-friendly fuel for internal combustion engines, capable of bringing significant environmental advantages:

- it improves **local air quality**, virtually eliminating air pollutants (70% less NOx, 99% less PM, 90% less NMHC vs Euro VI limits),
- it mitigates **global warming** by significantly reducing CO₂ emissions (circa 15% less compared to a diesel equivalent, up to 95% less with biomethane),
- and it can dramatically reduce **noise pollution** in city centres and during night deliveries.

It is for these reasons that European authorities are supporting the **rapid development of a distribution network** - to be in place by 2025, ensuring that the maximum distance between filling stations is reduced to 150 km for CNG and 400 km for LNG.

Gas is ready for a breakthrough. **Are you ready for gas?**

FOR YOUR BUSINESS

A real alternative to traditional fuels must be as good as diesel in terms of performance, payload and versatility. To succeed, it also needs to guarantee the same or better Total Cost of Ownership.

We have this alternative.

NEW STRALIS NP is the first gas vehicle designed for long distance haulage. It is equipped with a 400 hp engine, it has the same payload as an equivalent diesel truck and, with a range of up to 1,500 km, it can travel from John O'Groats to Lands End without refuelling.

STRALIS NP means business. In long-distance missions (depending on the price of fuel) it can be a profitable option at 120,000 km/year, and deliver significant extra savings in missions exceeding that mileage.

STRALIS NP means peace of mind in the face of forthcoming more restrictive regulations that will limit diesel vehicle access to city centres and to some alpine corridors.

STRALIS NP means opportunity, as demand for clean vehicles is expanding across Europe – from large retail organisations to the energy sector, from automotive to food and beverage.



CONTENTS

TCO, CHAMPION	4	THE FIRST AUTOMATED TRANSMISSION ON A NATURAL GAS TRUCK	8
BEST-IN-CLASS POWER	6	BEST-IN-CLASS DRIVING AND LIVING COMFORT	9
BEST-IN-CLASS FUEL RANGE	7	NEW STRALIS NP AT A GLANCE	10

LOWEST TCO + LOWEST CO₂ = TCO₂ CHAMPION



**NEW STRALIS NP:
UP TO 40% SAVING
ON FUEL COST VS DIESEL**

**NEW STRALIS NP:
UP TO 7% SAVING
ON TCO VS DIESEL**

**NEW STRALIS NP:
UP TO 15% LESS CO₂
VS DIESEL**

**NEW STRALIS NP
WITH BIOMETHANE:
UP TO 95% LESS CO₂ VS DIESEL**

A TCO CHAMPION FOR EVERY MISSION

A force of nature is about to storm the market.

NEW STRALIS NP represents a revolution in the world of transport: for the first time, an alternative-fuel vehicle offers the opportunity to improve both sustainability and return on investment – with a **Total Cost of Ownership up to 7% lower than diesel trucks.**

This is because the NEW STRALIS NP uses up to 15% less fuel and because natural gas is significantly less expensive than diesel in most European countries.

This economy can be further improved with new IVECO-exclusive **fuel consultancy services.**

TCO₂ live, based on years of experience in natural gas and energy management, is a complete package of integrated cost-reducing solutions. They include:

- **TCO₂ ADVISING** (fuel saving consultancy),
- **TCO₂ DRIVING** (economy-oriented driving courses),
- and the exclusive **UPTIME GUARANTEE** formula.

A CO₂ CHAMPION FOR EVERY MISSION

NEW STRALIS NP allows economy and ecology to go hand in hand.

Natural gas is the most successful alternative fuel.

It is not a solution in development; it is already here: a well-proven technology, introduced by IVECO in 1996, whose reliability is demonstrated by the tens of thousands of buses and gas powered IVECO trucks on the roads across Europe.

NEW STRALIS NP is the first gas-fuelled truck ever to offer, power, range, driving and living comfort to the standards, presenting a double opportunity to eco-committed transport professionals:

- **lowering pollutant emissions and noise,**
- and **reducing CO₂,** contributing towards reducing the carbon footprint of the transport industry, by reducing CO₂ emissions by as much as 95% with compressed or liquified biomethane.

BEST-IN-CLASS POWER

NEW CURSOR 9 NATURAL GAS ENGINE

Our objective with the NEW STRALIS NP was to create something completely new: a **long distance gas truck**.
To this end, we developed **the highest performance natural gas powertrain ever** for commercial transport applications.
The new **CURSOR 9 Euro VI engine**, with its 8.7-litre displacement, enhanced combustion process and optimised weight, offers the **best fuel-efficiency in long distance missions**.
Its new-generation gas injectors, fuel rail and pistons have been designed to deliver the highest power output and torque.
The brand-new longitudinal **3-way catalyst** contributes to compliance with stringent emission limits, while ensuring low noise levels, and leaving enough space to increase fuel tank capacity.

DIESEL-LIKE PERFORMANCE

The CURSOR 9 is the first engine of its kind to deliver **power and torque output equal to or greater than same-size diesel engines**.
The CURSOR 9 breaks every record in its category with:

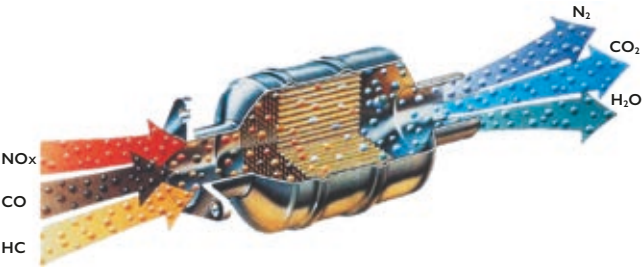
- **18% more power** than direct competitors,
- best-in-class **power density**,
- and best-in-class **weight-to-power ratio**.

The new **“silent mode 72 dB(A)”** function makes this engine perfect for urban operation and night time deliveries.
Oil change intervals have been extended to 75,000 km, and specific gas components have been modified to minimise maintenance costs.



MAX POWER **400 hp**
MAX TORQUE **1,700 Nm**

NO ADBLUE®
NO COMPLEX AFTER-TREATMENT
NO PARTICULATE FILTER
NO ACTIVE REGENERATION
NO AFTER-TREATMENT
MAINTENANCE



LOW CO₂ AND EXTRA-LOW AIR POLLUTANTS

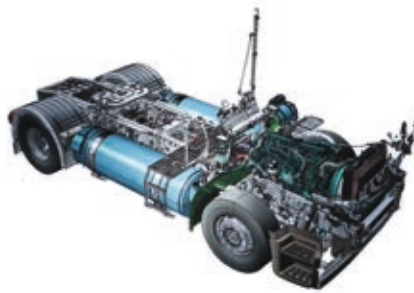
The centrifugal **blow-by filter** ensures lasting and efficient oil separation to guarantee ultra-low PM emissions and requires no exhaust **particulate filter**.

70% LESS NOx
vs EURO VI

99% LESS PM
vs EURO VI

90% LESS NMHC
vs EURO VI

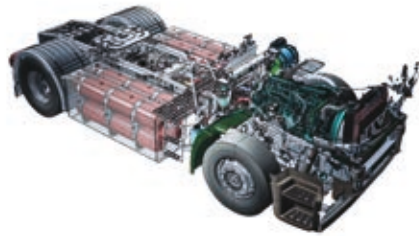
BEST-IN-CLASS FUEL RANGE



LNG ONLY
UP TO **1,500 KM**



CNG + LNG
UP TO **285 + 750 KM**



CNG ONLY
UP TO **570 KM**



THE FIRST AUTOMATED TRANSMISSION ON A NATURAL GAS TRUCK

EUROTRONIC 12-SPEED AUTOMATED TRANSMISSION

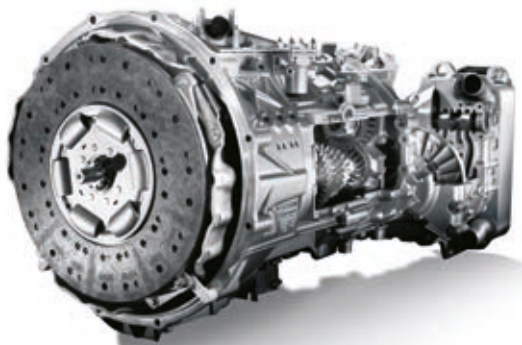
NEW STRALIS NP is the first gas-fuelled truck featuring an automated transmission which meets the requirements of long-distance missions:

- it guarantees **lower gas consumption** for fleet owners,
- and offers greater **driving comfort** to drivers.

The **12-speed EUROTRONIC** gearbox provides a smooth ride at constant engine load and top performance on slopes, where it delivers substantial fuel savings thanks to the eco-roll function.

The EUROTRONIC transmission prevents driveline damage due to gearbox misuse and ensures longer clutch life, reducing maintenance costs.

The transmission features an **integrated hydraulic retarder** and hill-holder function as standard for maximum **driver and load safety**.



BEST-IN-CLASS DRIVING AND LIVING COMFORT



DESIGNED AROUND THE DRIVER

The NEW STRALIS NP cab is designed around the driver to provide an optimal working environment conducive to maximum productivity in demanding long distance missions.

The **HI-WAY** high-roof cab has an internal height of **1.989 m** and a volume of **over 10 cubic metres**. It can be equipped with 1 or 2 beds and specified with all the important infotainment and comfort features.

The dashboard is **ergonomic and functional**, made with compatible materials to prevent squeaks and rattles. The driver can easily reach all controls without moving away from the seat's backrest, maintaining **maximum safety**.



NEW STRALIS NP AT A GLANCE

HI-WAY 2.5 M-WIDE CAB

NEW CURSOR 9
400 HP NATURAL GAS ENGINE

12-SPEED EUROTRONIC AUTOMATED
TRANSMISSION WITH INTEGRATED RETARDER,
ECO-ROLL AND HILL-HOLDER FUNCTIONS

NEW CNG AND LNG
TANK LAYOUT

DOUBLE-LNG CONFIGURATION
FOR A RANGE OF UP TO 1,500 KM

NEW CATWALK

NEW REAR AXLE
NEW REAR SUSPENSION

NEW CHASSIS LAYOUT
AND REAR BATTERY BOX

TYRE PRESSURE
MONITORING SYSTEM (TPMS)

LATEST-GENERATION
TRIPLE "A" ECO-TYRES

SUPPORT FEATURES

A COMPREHENSIVE SERVICE PACKAGE

IVECO TCO₂ LIVE is more than a commercial proposal, it is a **promise**: we are at the Customers' side in the quest for TCO improvement.

IVECO has created the **most comprehensive package for the reduction of the Total Cost of Ownership** which, for the first time, offers a complete package of **fuel consultancy services**.



FOR LASTING FUEL AND TCO SAVINGS

UPTIME GUARANTEE
TCO ₂ ADVISING
TCO ₂ DRIVING
24/7 NON-STOP ASSISTANCE
R&M PROGRAMMES
FLEET MANAGEMENT
TYRE MANAGEMENT

UPTIME GUARANTEE

As a guarantee of product reliability and Service Network excellence, IVECO offers the brand-new **UPTIME GUARANTEE** formula. With UPTIME GUARANTEE, should a NEW STRALIS become inoperable due to technical issues, **it will be repaired within 24 hours** from recovery at an IVECO TRUCK STATION (timing as identified by the IVECO CUSTOMER CENTER).

If this is not possible, IVECO will provide the Customer with:

- a replacement truck (if available),
- or a daily compensation for every 24 hours downtime period in the workshop (up to 4 days).

UPTIME GUARANTEE is included as standard coverage with NEW STRALIS NP and integrated in **ELEMENTS 3XL / 2XL** contracts (up to 5 years).

TCO₂ ADVISING

IVECO is an all-round "fuel consultant" – a full-time partner in the search for transport efficiency and sustainability.

Our experience of the most effective fuel-saving techniques is based on years of operational data, collected and processed (with the collaboration of our Customers) on different missions and routes.

Now IVECO offers this unique know-how as a service, provided by dedicated teams of fuel experts in every market, who constantly monitor fleet KPIs in order to develop tailored improvement plans.

One year of TCO₂ ADVISING is included with the NEW STRALIS NP model.

TCO₂ DRIVING

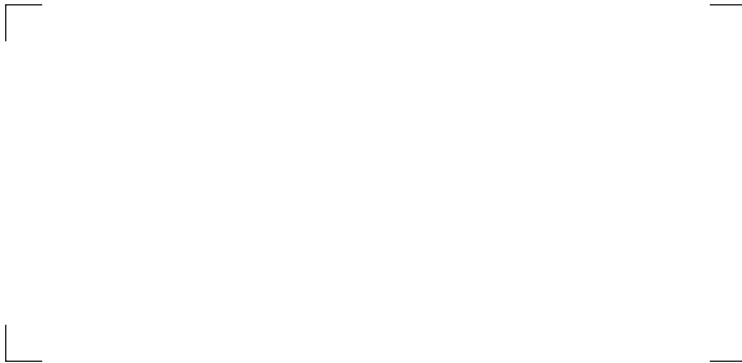
Good drivers can achieve fuel savings in line with the best technological devices: this is why IVECO offers specific driver training programmes to develop the skills of Customers' drivers.

We teach how to **reduce fuel consumption**, increase vehicle durability and maximise road safety.

Courses can be modelled on Customer requirements, and held at their premises or IVECO's.

Topics covered include:

- knowledge of the vehicle, its features and functions,
- and **driving experience with a professional tutor.**



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