

# NEW STRALIS *NP* *TCO<sub>2</sub>* 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 faced with old solutions. To make freight transport more sustainable, new paradigms are needed.

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**, nearly eliminating air pollutants (-70% NOx, -99% PM, -90% NMHC vs EURO 6 limits),
- it mitigates **global warming** by significantly reducing CO<sub>2</sub> emissions (about -15% compared to a diesel equivalent, up to -95% with biomethane),
- and it can dramatically reduce **noise pollution** in city centres and during night deliveries.

These are the reasons why European authorities are supporting a **rapid development of the gas distribution network**, by the year 2025, with the maximum distance between filling stations reduced to 150 kilometres for CNG and 400 kilometres 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 haulage.** It is equipped with a 400 hp engine, it has the same payload as an equivalent diesel truck and, with a range autonomy of up to 1,500 km, it can travel from Madrid to Frankfurt 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 over 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

<b>TCO<sub>2</sub> CHAMPION</b>	<b>4</b>	<b>THE FIRST AUTOMATED TRANSMISSION ON A NATURAL GAS TRUCK</b>	<b>8</b>
<b>BEST-IN-CLASS POWER</b>	<b>6</b>	<b>BEST-IN-CLASS LIVEABILITY</b>	<b>9</b>
<b>BEST-IN-CLASS FUEL AUTONOMY</b>	<b>7</b>	<b>NEW STRALIS NP AT A GLANCE</b>	<b>10</b>

# LOWEST TCO + LOWEST CO<sub>2</sub> = TCO<sub>2</sub> CHAMPION



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

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

## A TCO CHAMPION FOR EVERY MISSION

The 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.**

**TCO<sub>2</sub> live**, based on years of experience in natural gas and energy management, is a complete package of integrated cost-reducing solutions. They include:

- **TCO<sub>2</sub> ADVISING** (fuel saving consultancy),
- **TCO<sub>2</sub> DRIVING** (economy-oriented driving courses),
- and the exclusive **UPTIME GUARANTEE** formula.



**NEW STRALIS NP:  
UP TO -15% CO<sub>2</sub> VS DIESEL**

**NEW STRALIS NP WITH BIOMETHANE:  
UP TO -95% CO<sub>2</sub> VS DIESEL**

## **A CO<sub>2</sub> CHAMPION FOR EVERY MISSION**

**NEW STRALIS NP makes economy and ecology go hand in hand.**

**Natural gas is the most successful alternative fuel** since diesel won the match against petrol.

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, fuel autonomy, driving comfort and liveability to international haulage standards**, presenting a double opportunity to eco-committed transport professionals:

- **lowering pollutant emissions, noise and all externalities,**
- and **reducing CO<sub>2</sub>**, contributing to shrink the carbon footprint of the transport industry, by reducing CO<sub>2</sub> 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-haul gas truck**.

To this end, we developed **the highest performance natural gas powertrain ever** for commercial transport applications.

The new **CURSOR 9 Euro 6 engine**, with its 8.7-litre displacement, enhanced combustion process and optimised weight, offers the **best fuel-efficiency in long haul 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 or greater than same-size diesel engines**.

The CURSOR 9 breaks every record in its category with:

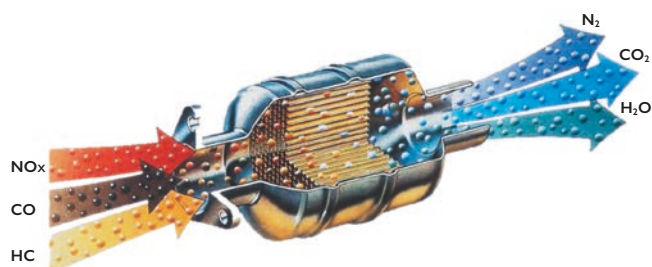
- **18% more power** than direct competitors,
- best-in-class **power density**,
- and best-in-class **weight-to-power ratio**.

The new **“silent mode 72 dB(A)”** function makes this engine perfect for urban operation and night deliveries.

**Oil change intervals have been extended to 75,000 km**, and specific gas components have been modified to minimise maintenance costs.



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



## LOW CO<sub>2</sub> AND EXTRA-LOW AIR POLLUTANTS

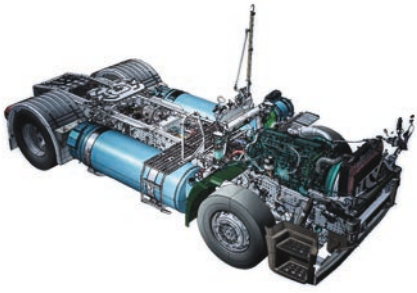
The centrifugal **blow-by filter** ensures lasting and efficient oil separation to guarantee ultra-low PM emissions and requires no exhaust **particulate filter**.

**-70% NO<sub>x</sub>**  
vs EURO 6

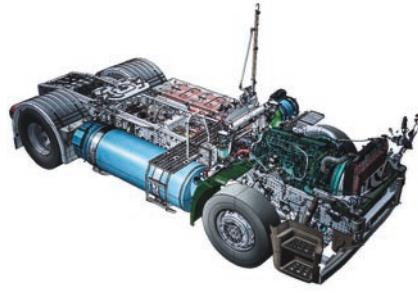
**-99% PM**  
vs EURO 6

**-90% NMHC**  
vs EURO 6

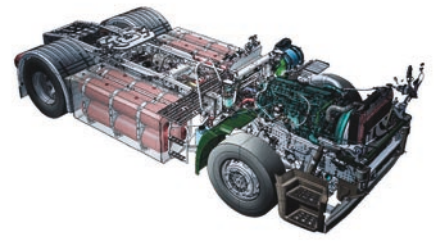
# BEST-IN-CLASS FUEL AUTONOMY



**LNG ONLY**  
UPTO **1,500 KM**



**CNG + LNG**  
UPTO **285 + 750 KM**



**CNG ONLY**  
UPTO **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 LIVEABILITY



## DESIGNED AROUND THE DRIVER

The **NEW STRALIS NP** cabin is **designed around the driver** to provide an optimal working environment conducive to maximum productivity in demanding long-haul missions.

The **HI-WAY** high-roof cabin has an internal height of about **2 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 homogeneous 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

## WHAT'S INSIDE

**HI-WAY 2.5 M-WIDE CAB**

**NEW CURSOR 9  
400 HP NATURAL GAS ENGINE**

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

**NEW CNG AND LNG  
TANK LAYOUT**

**DOUBLE-LNG CONFIGURATION  
FOR AUTONOMY UP TO 1,500 KM**

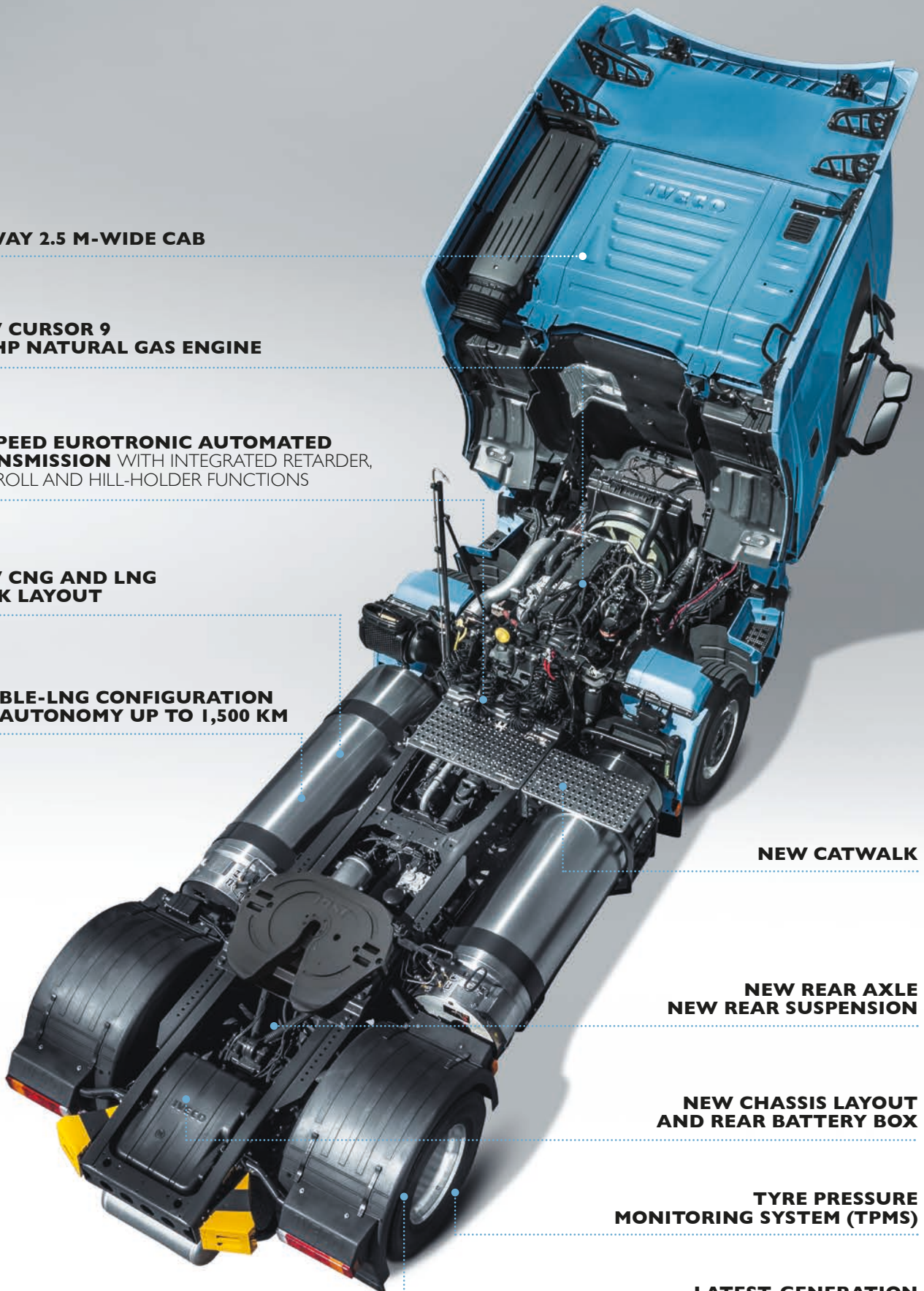
**NEW CATWALK**

**NEW REAR AXLE  
NEW REAR SUSPENSION**

**NEW CHASSIS LAYOUT  
AND REAR BATTERY BOX**

**TYRE PRESSURE  
MONITORING SYSTEM (TPMS)**

**LATEST-GENERATION  
TRIPLE "A" ECO-TYRES**



## WHAT'S AROUND

### A COMPREHENSIVE SERVICE PACKAGE

IVECO TCO<sub>2</sub> 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 <sub>2</sub> ADVISING
TCO <sub>2</sub> DRIVING
24/7 NON-STOP ASSISTANCE
M&R PROGRAMS
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).

### TCO<sub>2</sub> 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 TCO<sub>2</sub> ADVISING is included with the NEW STRALIS NP model.**

### TCO<sub>2</sub> 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.**



**IVECO**

Your partner for sustainable transport