

IVECO BUS

Drive the road of change



CROSSWAY

A scenic landscape featuring a winding asphalt road that curves through a lush green field. To the left, there is a dense forest of tall evergreen trees. To the right, a large, full-canopied deciduous tree stands prominently. In the background, rolling hills and a small town with a church spire are visible under a bright blue sky filled with scattered white clouds. The overall atmosphere is peaceful and rural.

CROSSWAY

Designed for interurban and school transport, Crossway is a reliable and universal hard worker whose amazing qualities have made it the most sold intercity vehicle in Europe.

A perfect instrument for short-distance and medium-distance passenger transport.

Thanks to millions of kilometres driven under all conditions Crossway can offer a high reliability rate.

Productivity is at the heart of the new Crossway: the best quality to price ratio in the market, fuel efficiency, longer service intervals, higher safety and many more enhancements.

Three lengths (10.8 m - 12 m - 13 m), three engines (Cursor 9 CNG and Diesel Tector 7 and Cursor 9), a wide offer of seat layouts make the Crossway range the best and most flexible means of transport.



06
Presentation

08
The Crossway at a glance

10
Versatility

12
New driver area

14
Engines

15
Efficiency

16
Productivity

18
Crossway CNG

20
Seats

22
Quality

23
Safety

24
A new world of connectivity

25
Premium Pack

26
Tailored service solutions





CROSSWAY CNG

Presentation

Best experience

More than 90 years of bus production experience have taught us what is most demanded from our vehicles. It is reliability. Our Crossway buses represent the highest and most successful challenge in the world of public transport: carrying millions of people across Europe in a safe and comfortable environment, a high and reliable technological content at the best economic conditions in the market. The biggest and most varied net of operated lines is the best testing track all over the world.

Each day millions of people put their trust in our vehicles to transport them to work, school, doctor or just take them for a trip. Each day there are people waiting at the stops in the Finnish Ivalo, Spanish Malaga, Russian Surgut or Greek Kavala. For the whole year at various places, from -30 °C to +40 °C, in every kind of weather, they believe that our vehicles will come for them.

This trust makes us feel obliged to see our vehicles as tireless workers serving flawlessly for long years. The whole construction and production of the vehicles is subordinated to these needs.

Aside from our irreplaceable long experience with commercial operation, for each new generation of vehicles we perform incredibly heavy tests with a huge quantity of prototypes. Tests are carried both in traffic and especially in extreme climatic and operation conditions.

Market leader in Europe. Best experience.

A long tradition

Road & functional tests

1,000,000 km by range

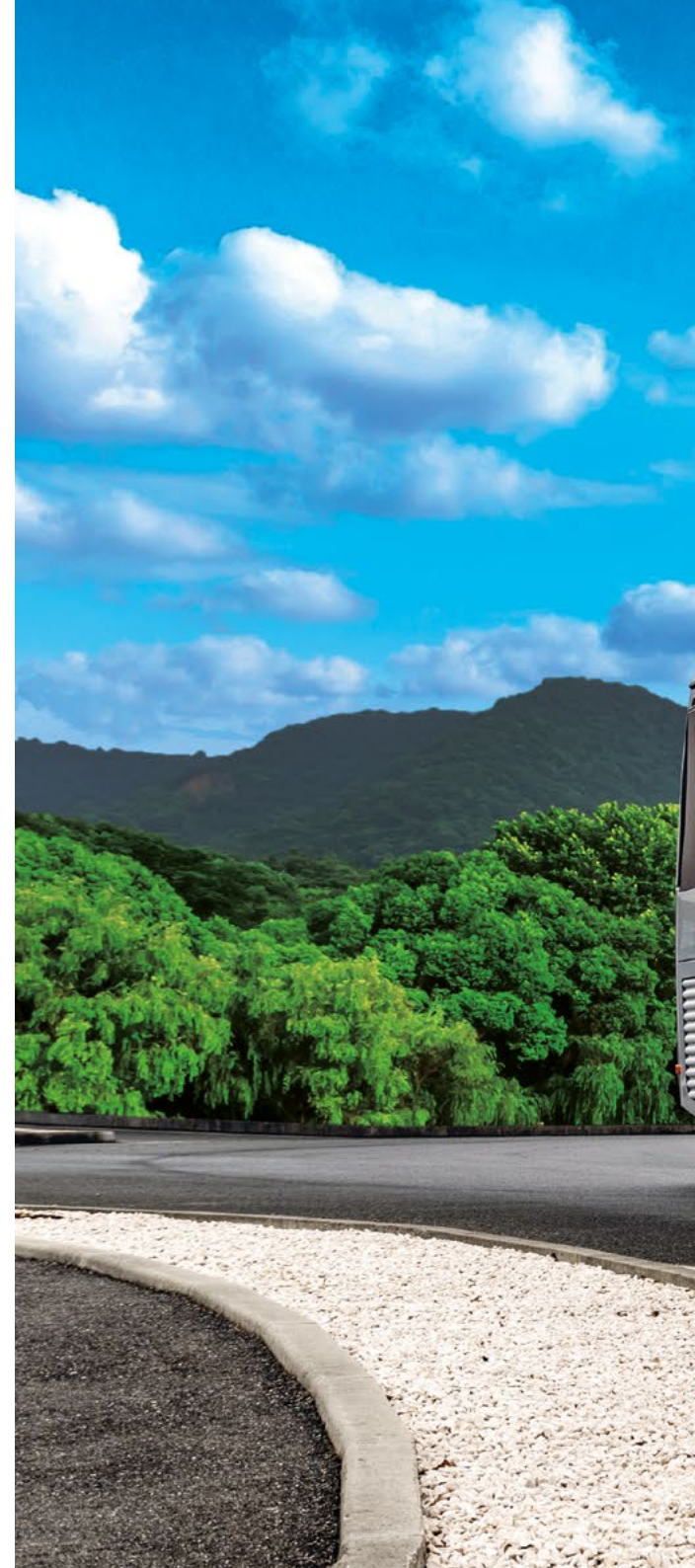
Endurance tests

Equivalent of 6,000,000 km on European Roads by range

Reliability tests

1,600,000 km in real transport condition

The foundation for quality production.





The Crossway at a glance

1 VERSATILITY:

- Three lengths (10.8 m - 12 m - 13 m)
- A wide offer of seat layouts
- 3 Drivelines cng and HI-SCR Diesel

2 NEW DRIVER AREA:

- New dashboard, new cluster, new steering wheel
- Generous space & thermal comfort
- Optimised storage

3 PRODUCTIVITY:

- Best in class Total Cost of Ownership
- 2 New gear boxes

4 EFFICIENCY:

- HI-SCR and CNG engines
- Cross range standardisation for maintenance optimization





Versatility

A complete range for all missions

Crossway can easily satisfy all customer needs in every passenger transport mission thanks to its versatility and variety of available versions.

CROSSWAY – Pop version

The best solution for school transport, delivering excellent accessibility and carefully designed interior comfort. Attractive operating costs and proven reliability complete the package.

CROSSWAY – Line version

The ideal choice for short-distance and medium-distance passenger transport, featuring low fuel consumption, longer service intervals, a driver area conceived to meet the highest ergonomic standards, all in a safe and comfortable environment.

CROSSWAY – High Value version

The evolution of Crossway Line, proposing integrated air-condition, individual passengers lights and air outlets, without increase of vehicle height.

CROSSWAY – Pro version

The perfect answer for customers looking for a regional-route service vehicle or a mixed-mission one. Crossway Pro is a flexible vehicle offering all the practical features of an intercity bus together with the comfort of a standard coach; the mix of easy access devices and tourist equipment makes it possible to travel in the city environment and to operate in the intercity premium segment as well.

CROSSWAY CNG version

Crossway CNG implements design solutions from the proven Crossway family. Patented full integration of gas bottles in the roof yields the lowest height on the market (3,45 m), perfect for any route and giving maximum stability on the road.





New driver area

Driving the Crossway is easy

The dashboard has been redesigned with new control commands at short distance from driver. Steering wheel controls are close to fingers with no need to release the steering wheel to have under control all the main functions. More space and a new look make the driver cabin a comfortable place for everyday operations.

Fully colored display cluster 7" shows more driving information: the Driving Style Evaluation, accumulator charge, engine oil level, gearbox info and speed set up for cruise control. The dashboard is fully customizable with the multiple storage space, charging plugs, double USB and cup and bottle holder.



Improved ergonomy

- All controls are visible
- Dashboard controls at short distance from driver
- Steering wheel controls close to fingers, no need to release the steering wheel

More driving information

- Fully colored display numeric cluster 7"
- Driving Style Evaluation
- Accumulator charge
- Engine oil level
- Gearbox info
- Speed set up for cruise control

100% Work place

- Customizable dashboard
- Multiple storages (A4 folder storage)
- Charging plugs 12 V, 24 V, double USB
- Cup and bottle holder



Engines

The Crossway range is versatile enough to accommodate different engine layouts, such as:

Tector 7 for Diesel / HVO / XTL, Cursor 9 for the two energies Diesel / HVO / XTL and CNG for CNG or Biomethane.

Tector 7 Diesel / HVO / XTL high efficiency

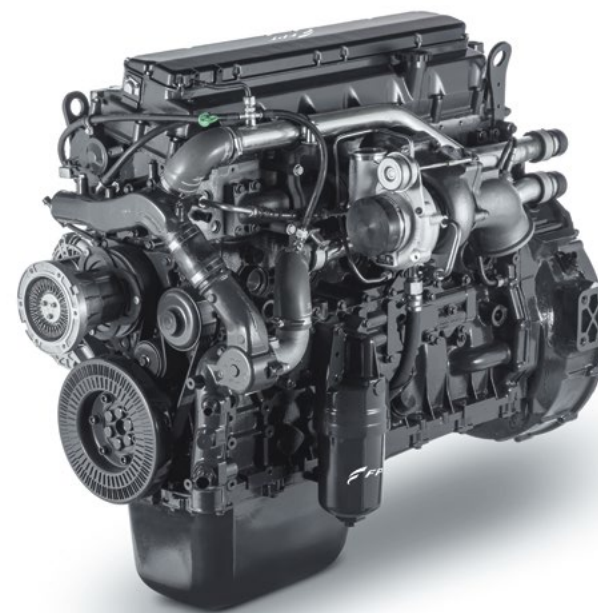
- Lighter, downsizing, longitudinal position
- High performance with 320 hp
- Excellent fuel savings

Cursor 9 Diesel / HVO / XTL high performance

- Up to 1600 Nm torque to cope with any slopes
- Optimized accessibility for maintenance
- Transversal installation providing excellent rear-door passenger flow
- Easier A/C installation for demanding climatic performance

Cursor 9 CNG high experience

- High performance with 360 hp
- Low emissions and Biomethane compatible
- Up to 1,620 Nm torque
- Optimized accessibility for maintenance



Length (m)	DIESEL / HVO / XTL		CNG
	Tector 7 320 hp - 228 kW	Cursor 9 400 hp - 294 kW	Cursor 9 CNG 265 kW (360 hp)
10.8	•	• *	
12	•	• *	•
13	•	• *	•

* available for Crossway Pro only

Efficiency

Euro VI Diesel engines: Regeneration? No thanks!

The HI-SCR patented technology, with over six years' experience and 250,000 engines produced, allows our engines to meet Euro VI standards without resorting to EGR, guaranteeing a very high NOx conversion efficiency (over 95%):

- Up to 8% more power and up to 9% more torque for the Tector engine
- Up to 9% more power and up to 12% more torque for the Cursor engine
- Increased driveability due to lower noise and vibrations
- Low operating costs thanks to low engine wear and long maintenance intervals
- Compact and lean design, lowering total weight and allowing for easy installation

Best Total Cost of Ownership (TCO) in class.

CNG engine

Cursor 9 CNG delivers 360 hp and represents the best solution for city and intercity line operations, offering autonomy from 500 to 600 km according to the kind of missions. Natural gas is the most eco-friendly fuel for internal combustion engines, yielding significant environmental advantages.

The benefits are particularly impressive in terms of particle levels and noise emissions. With natural gas, particle levels are close to zero and NOx emissions are reduced by more than one third.

Noise levels are also cut, offering an exceptionally quiet service for the driver, passengers and even residents.

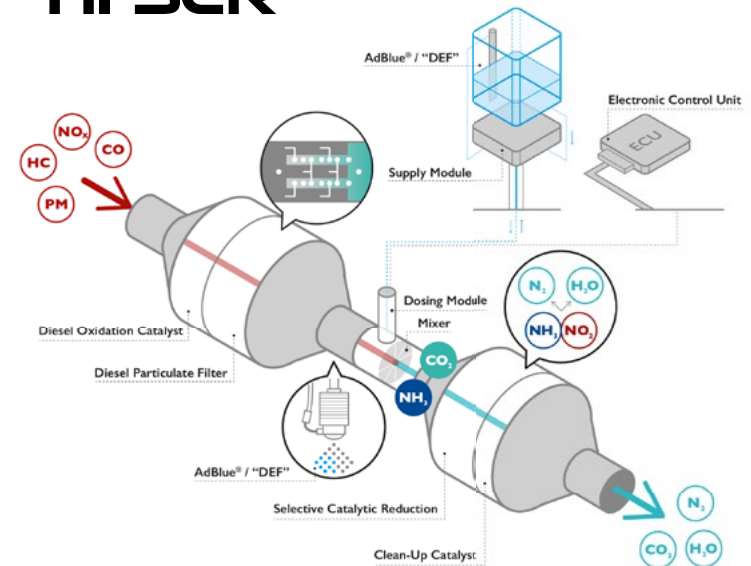
The CNG range is 100% compatible with Biomethane produced from recycled waste. IVECO BUS vehicles ensure an excellent carbon footprint and represent a tangible step towards energy transition. The environmental benefits include CO₂ emissions reduction of up to 95%!

New automatic gearboxes available for even more driving comfort and optimized performance.

More electricity supply from 3 alternators 150 A with no additional weight.

The battery is less used during idle phases even with air conditioning, **better balance of the electrical distribution** and the maintenance is optimized.

HI-SCR



Productivity

Best in class Total Cost of Ownership

Selling price tells just one part of the story

How much does a Bus cost? You pay the selling price, that's true. But, what about maintenance and fuels costs? That's why when we talk about cost, we talk about Total Cost of Ownership: the one and only measure of a sound investment.

TCO: a deeper look

Total Cost of Ownership is made of many components:

- selling price
- capital cost
- maintenance and repair costs
- fuel and urea consumption
- residual value
- and other costs such as driver salary, insurances, taxes and tolls, etc.





Less service stops during operation of the vehicle (vs. Euro V)

- engine oil change interval Cursor (+50%)
- engine oil change interval Tector (+60%)
- particle filter change interval (+300%)
- engine air and hydrostatic filter change interval (+50%)

2-year parts & labor and 5-year rust-thru warranties

Integration of LED lighting:

5x longer life span, 70% less electrical consumption.

We are always and strongly committed to optimise the majority of these components during the whole life of the vehicle. The result? A higher satisfaction in terms of global savings and higher resale value for all of our customers.

Crossway CNG

IVECO BUS has always maintained a strong commitment to sustainability, developing products that both respect the environment and satisfy customers' needs for productive, reliable, safe and comfortable buses and coaches. In anticipating requirements for cleaner air and low-carbon mobility by introducing a newly designed CNG-powered Crossway coach, IVECO BUS is providing the right vehicle for sustainable regional transport.

Expertise in natural gas transport

Over the last 20 years, IVECO BUS has developed CNG as an alternative power source to petroleum derivatives.

With each CNG bus generation, IVECO BUS has acted as a long-term partner to public transport providers, providing vehicles and support to help them build up their CNG fleets. Proof of that commitment lies with the nearly 6,000 IVECO BUS CNG buses now in service.

Regional transport authorities can now further expand their clean vehicle networks across their regions outside urban nodes with Crossway Natural Power.

The natural choice for sustainable mobility

While demand for mobility is growing far beyond urban areas, CNG-powered mobility is the choice to make now for the future. Natural gas-powered vehicles are recognized both at the European and local level for clean fleet renewal and use inside low-emission zones. CNG mobility offers near-zero particulate emissions as well as low NOx and reduced noise (up to -3dB).

In combination with the use of bio-methane, the CO₂ footprint can be cut by up to 95%.



Simply replace one Diesel coach with one CNG coach

New Crossway Natural Power implements design solutions from the proven Crossway family, providing maximum advantages for operators converting their fleet from Diesel to CNG, on a simple one-to-one basis:

- Same vehicle height : the smart integration of the CNG tanks in the roof provide the same height as Crossway Diesel with air conditioning (3.45 m)
- Same seating capacity, up to 63 seats in 13 m
- Same luggage compartment (up to 6.2 m³)
- Excellent accessibility with internal height of 2.0 m, retaining hand luggage racks
- Same performance with identical power and torque as the original Diesel version (360 hp and 1620 Nm)
- Excellent range up to 600 km with 1260 l of CNG storage capacity, which suits most regional transport missions

Great TCO

A growing number of CNG stations are accessible to heavy-duty vehicles in most European countries, since the demand for goods transport powered by natural gas is booming.

With an attractive fuel price compared to Diesel, with national or local incentives for cleaner mobility, operators can rely on a solid base in which to invest for the future. In addition, investing in a dedicated private CNG filling station can further justify the business model of switching to gas.

The IVECO and IVECO BUS network for CNG trucks, vans, buses and now coaches is rapidly growing across Europe, providing operators with the perfect partner for maintenance contracts, spare parts, training and expertise.



CURSOR 9 NP - EURO VI

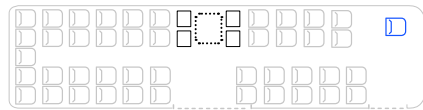
Power	265 kW (360 hp) @ 2200 rpm
Torque	1600 Nm @ 1200 rpm
Displacement	8.7 litres
	Multi Point Injection (MPI)

Seats

Variable layouts proposal*

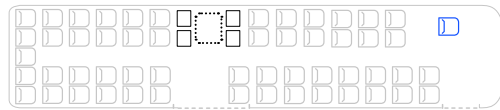
POP VERSION

10.8 m



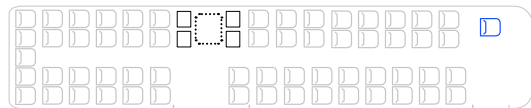
47 passengers seats

12 m



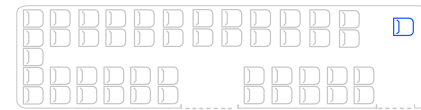
57 passengers seats

13 m

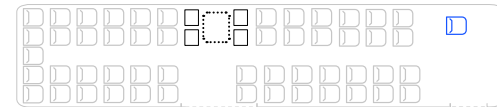


63 passengers seats

LINE VERSION / PRO VERSION / HIGH VALUE VERSION



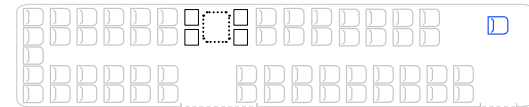
47 passengers seats



55 passengers seats



55 passengers seats



61 passengers seats



59 passengers seats

* For more possibilities, please contact IVECO BUS commercial staff.



Passenger seats



Driver seat



Folding seats



Wheelchair space



1 SCOLEO & SCOLEO MAX

All the utility properties of the Scoleo seats can be MAXimized and increase the capacity of the vehicle thanks to newly developed seats backrests, making the 13 m long Crossway Pop model reach the capacity of up to 63 seats.

2 LINEO FIX & LINEO

Intended for regular line transport, mainly on peri-urban and intercity regional routes. The comfortable firm-back seat shape is an ideal ergonomic solution.

3 SPACIO LINE

Aesthetic, ergonomic and comfortable. New Spacio seats have been designed to guarantee the maximum comfort to the passengers in every kind of trip.

SEAT AVAILABILITY

Versions	Scoleo	Scoleo Max	Lineo Fix	Lineo	Spacio Line
Pop	•				
Pop (13 m - 63 seats & 12 m - 57 seats)		•			
Line			•	•	•
Pro			•	•	•
High Value			•	•	•

Quality

Top quality control

Quality control in the Vysoké Mýto factory is among the most demanding worldwide

The entire production process is managed using the WCM programme (World Class Manufacturing), derived from and based on Japanese car making experience and procedures. The essential principle of this system is simple but strict: defective products must be detected directly in the workplace where the error occurred and each failure must be corrected immediately. The main goal is to create a process where no defective spare parts can be produced. This is why we keep introducing new production procedures and improving our tried and tested methods. We also use 2D and 3D laser centres, welding robots, and giant mobile and stationary 3D scanners to control the dimensions of the whole frames precisely. Our unique painting shop ensures a high lifespan for vehicle bodies. It uses cataphoresis, working on the electro-chemical galvanisation principle. For this purpose, we use a single 300 m³ capacity cataphoresis tank. The final paint is made in fully robotised painting boxes.

But all of this would mean little without a flawless assembly. The process is controlled centrally and the operation of all important instruments is monitored online by the controlling server via Wi-Fi. If an anomaly is discovered, an order is given to remedy the flaw in real time. The production process for each vehicle concludes with a series of so-called diagnostic tests.

All vehicles are tested on the road before dispatch and delivery to the client.



Safety

Advanced safety systems

Brake control

Integrates basic functions such as:

- ABS (Anti-lock braking system)
- ASR (Anti Slip Regulation)

Quicker response time and shorter braking distance

- ESP (Electronic Stability Program)

Lower risk of loss of control of vehicle

Cataphoresis

The vehicle structure and components are protected by cataphoresis, the most efficient industrial solution against corrosion.

Compliance with Standard R66/02

This guarantees a survival cell in the event of vehicle rollover. IVECO BUS solutions optimise safety without increasing the vehicle weight.

Front collision mitigation with R29

R29.03 compliance to tests A & B
Certified by TÜV



A new world of connectivity

The most advanced connectivity on the new IVECO BUS RANGE puts you in full control of your Bus fleet, allowing you to operate efficiently by optimizing the fleet's uptime, energy consumption and Total Cost of Ownership (TCO). **Reduce your costs, improve your performance and make your bus operation & maintenance smarter than ever** by choosing our connectivity and selecting the solution that best meets your requirements.



Find out more about the **commercial packages** you can choose your services from.

Smart Pack

The Smart Pack is included as a series of equipment in all IVECO BUS HEAVY RANGE vehicles. It provides you with Digital services on your Bus Fleet through the following features:

Control Room Support

- Proactive maintenance
- Technical reports

IVECO ON Customer Portal

- Smart reports about operation
- Driving style evaluation dashboards

Premium Pack

The Premium Pack, in addition to the Smart Pack services, provides you with powerful real-time fleet management tools. You can choose the modular options you wish to add to your Smart Pack:

- Real time FLEET MANAGEMENT by Verizon
- TiGR Web API



Premium Pack

Select a fleet management service to help you monitor in real time many indicators such as geolocation, energy consumption, traction battery state of charge or remaining range.

TiGR Web API

The TiGR Web API (specified by the ITxPT association) is a standardized multi-brand fleet management solution. Integrate the data into your own systems and receive real-time events and alerts, vehicle diagnostic trouble codes and all needed KPIs about your fleet performance.



Fleet Management by Verizon Connect

Choose among the three Verizon packages the solution that best fits your needs. In addition to the features shown in the table.



Content / packages	Fleet essential	Fleet essential Tacho + connected ethylometer	Fleet enhanced
Positioning & geofencing	•	•	•
Fuel consumption & score cards	•	•	•
Vehicle health	•	•	•
Driver hours		•	•
Remote tachograph and connected ethylometer download		•	•
Data through web services			•
History Data	12 months	12 months	24 months

The three packages will help you manage your fleet with ease:

FLEET MANAGEMENT BENEFITS

- Improve vehicle visibility with geolocation intelligence
- Stay compliant by recording driver's activities (such as rest and driving hours) and Connected Alcohol Interlock Device data
- Receive advanced reports, monitoring the entire fleet
- Receive alerts based on customized triggers, including triggers from the Connected Alcohol Interlock Device
- Get specific triggers and data necessary for an electric bus fleet real time management: battery state of charge, range, energy consumption, recharge duration

Tailored service solutions

When selecting IVECO BUS you have made a quality choice: you can rely on the best maintenance, high performance parts, and skilled experts ready to help you whenever and wherever you need it – and you are able to work with full peace of mind.






ELEMENTS: customised service packages

With the aim of offering you the best of everything, IVECO BUS has created ELEMENTS: a wide range of tailored service packages, designed to keep your vehicle on the road with minimal interruptions for maintenance and repairs.

Tailor-made service

ELEMENTS is a specialised high-quality service that aims to ensure a long life for every vehicle in all sectors. Combine the “Elements” that best fit your needs in order to create your own tailor-made service package! Choose your Planned Maintenance Contract and Extended Guarantee, by combining the major Elements that make up the offer (Maintenance, Drive Line, Extra Drive Line, Wear) that perfectly suits your business.

The table below summarises all the possible combinations:

PLANNED MAINTENANCE CONTRACTS				
	Maintenance	Drive Line	Extra Drive Line	Wear
 3XL • LIFE	•	•	•	•
 M • LIFE	•			•
 S • LIFE	•			

MAINTENANCE



- Maintenance
- Lubrication
- Oil and fluid changes according to the maintenance and repair handbook

DRIVE LINE



- Engine
- Fuel injection
- Gearbox
- Propeller shaft and axle repairs

EXTRA DRIVE LINE



- Components not already covered by the drive line element
e.g. Electrical System

WEAR

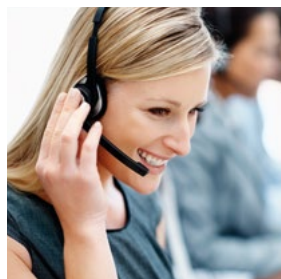


- Clutch
- Brake pads
- Brake discs
- Brake drums
- Brake linings for drum brakes

IVECO
0080048326000
Assistance Non-Stop



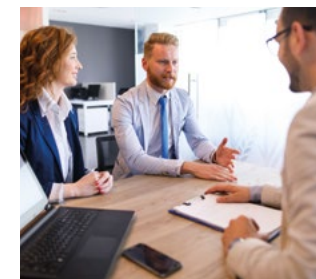
IVECO ASSISTANCE NON-STOP means 24 hours a day, 7 days a week assistance on the phone to keep your Crossway and your business running. **IVECO NON-STOP** is the original IVECO smartphone application that you can use to communicate with IVECO if your vehicle breaks down.



IVECO
CAPITAL

IVECO CAPITAL is the captive financial services Brand of IVECO, and offers a full range of financing, leasing, rental and ancillary services for commercial vehicles. Extended warranty, maintenance and repair services, and various types of insurance, can be included in the pack*. All financial packs can be tailored to the Customer's needs, and apply to new, used vehicles and conversions. For more information, please contact your IVECO Dealer.

*Subject to credit approval. Offerings and products may vary by country depending on the local fiscal and accounting regulations



IVECO
BUS | **Genuine Parts**
HIGH PERFORMANCE

IVECO BUS GENUINE PARTS assure your Crossway keeps running in service and with cost efficiency. The wide offering ranges from new and remanufactured parts to service kits and telematics solutions.



OK BUS
PRE-OWNED BUSES CERTIFIED BY IVECO

OK BUS is the IVECO BUS certification label, guaranteeing quality and excellence to customers wishing to buy a safe, reliable and warranted pre-owned bus. The OK BUS European team has six centres across four countries: France (Mitry-Mory, Corbas and Rorthais), Germany (Ulm), Italy (Verona) and Spain (Madrid), all offering a wide range of solutions for any people transport need.

SERVICE NETWORK

No matter where you are located, you will never be far from an IVECO BUS workshop or authorised service point. Thanks to a widespread network of more than 600 service points in Europe, with fully trained technicians and diagnostics experts, IVECO BUS is always ready to help you and sort out any problems you may encounter, wherever you are, whenever you need us.



PUBLICATION CROSSWAY_EN 10/22

The information and images in this catalogue are provided as a guideline only. IVECO BUS reserves the right to make changes for any commercial or construction reasons at any time without notice.