

IVECO BUS

Drive the road of change



eWAY



Urban Mobility challenges

In the face of growing public awareness about Climate Change and the need for action, the pressure to become carbon neutral soon will be more intense and regulations will become even more demanding. IVECO BUS drives forward its strategic focus on sustainable transport with the technological choice to further invest in developing its electric mobility offering.

IVECO BUS is the answer

As the transport industry's energy transition is accelerating, electromobility is entering a new phase as a high-volume market. For this reason, IVECO BUS is taking another important step to provide its customers with a complete and flexible electromobility offer with its new E-WAY.



06
Electromobility in DNA

08
Our system approach

10
Top flexibility for electromobility

11
Batteries and charging systems:
the widest choice for your specific needs

12
Innovative design, total comfort

14
Sustainability commitment at 100%

16
A new world of connectivity

17
Premium Pack

18
Tailored service solutions





100% ELECTRIC

IVECO

E W A V

Electromobility in DNA

Electromobility is in our nature. As a legitimate major player, IVECO BUS has a long history of leading the way with generations of trolleybuses and full-hybrid buses. Long ago – before the introduction of Euro VI bus generations – it transformed its industrial footprint to incorporate alternative traction buses in full production. Its focus on electromobility extends to its test track, which is equipped to with different charging systems.

With the E-WAY by HEULIEZ, IVECO BUS widens its electromobility offer, making it the most complete range available on the market.

The design leverages over 20 years of development and manufacturing experience of this recognised premium brand to take the HEULIEZ Full Elec excellence to the fast-growing customer base in the international markets.

With more than 2,000 hybrid and electric buses produced and in operation, IVECO BUS confirms its strong commitment to the sustainable people transport.



Proven productive and testing excellence

The new E-WAY is entirely produced by the HEULIEZ BUS plant in Rorthais, France. Almost 90 years of experience in bus manufacturing translate into providing customers with top quality buses only.

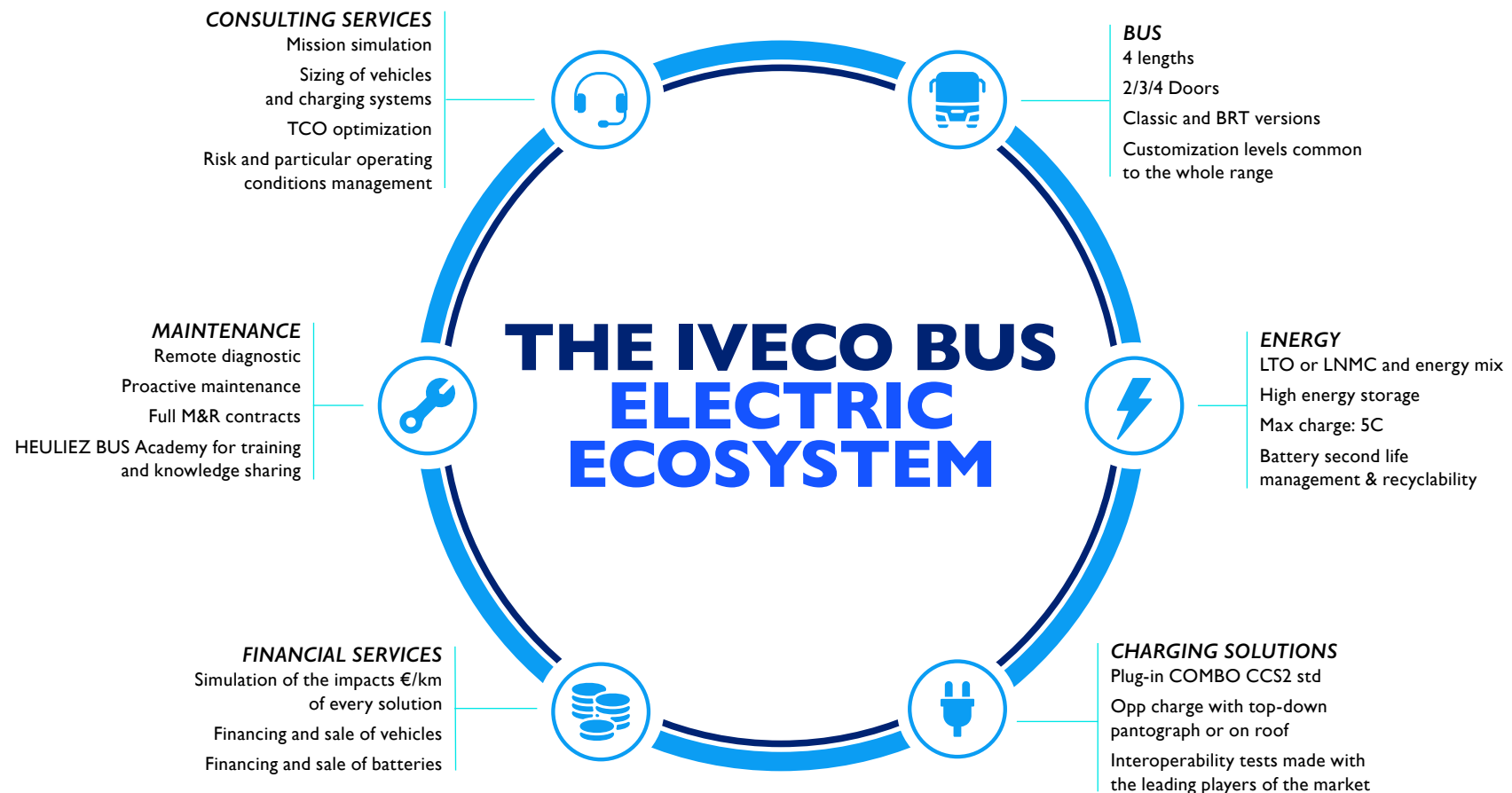
Important investments were made in order to adapt the industrial capacity to the production of full electric buses:

- Our electrified test tracks are equipped with an additional fast charging pantograph, so the buses can be tested and approved in real conditions
- The training academy delivers specially tailored courses, covering most of the topics related to electromobility and M&R
- Dedicated R&D centre



Our system approach

Going electric is not about the bus only. The shift to electromobility also means a shift in business model, where flexibility is key to perfectly adapt the solution to the customer mission. Electromobility requires a system approach: and this is exactly what IVECO BUS offers its customers, by helping them to design the best transport system in terms of power and energy management with route simulations. Thanks to this approach, customers can identify the product specifications and design that perfectly match their specific requirements. IVECO BUS shares their journey with its contract engineers, in order to help them achieve all the targets of their project.





100% ELECTRIC

IVECO

E W A V

Top flexibility for electromobility

Designed to suit every need, the E-WAY by HEULIEZ is available in **4 different lengths** (9.5 m, 10.7, 12 m and 18 m), with a choice of overnight slow charging or fast charging using a pantograph. Flexibility is pushed to its maximum with a choice of number of batteries, which means the vehicle can match exactly the customer's specific autonomy requirements and doesn't have to carry extra weight, losing passenger capacity.

	9.5 m	10.7 m	12 m	18 m
Length x Width	9.5 x 2.33	10.7 x 2.33	12.0 x 2.55	18.0 x 2.55
High energy battery (slow charging)	STD: 293 kWh	STD: 293 kWh OPT: 334 kWh, 376 kWh, 418 kWh	STD: 376 kWh OPT: 334 kWh, 418 kWh, 460 kWh	
High power battery (fast charging)			OPT: 88 kWh	STD: 102 kWh OPT: 117 kWh
Flex battery (slow and fast charging)				OPT: 250 kWh
Plug in charging	•	•	•	•
Opportunity charging			•	•
Pantograph			Off-board	STD: Off-board OPT: On-board
Fleet management	•	•	•	•
Proactive maintenance	•	•	•	•
Configuration	STD	STD	STD / BRT	STD / BRT

Batteries and charging systems: the widest choice for your specific needs

E-WAY by HEULIEZ is really a totally configurable modular system. The choice includes different to charging solutions, in cooperation with the European main players, through dedicated compatibility certificates.

Fast charge

The fast charge pantograph allows the transmission of charging powers up to 450 kW in about 5 - 20 minutes, extending the autonomy several times during service operation. At the same time, the use of high power, low capacity and low weight batteries allows to optimize the bus transport capacity and operating costs. Depending on the model, fast charging is available with a pantograph installed on the roof or on the charging infrastructure.

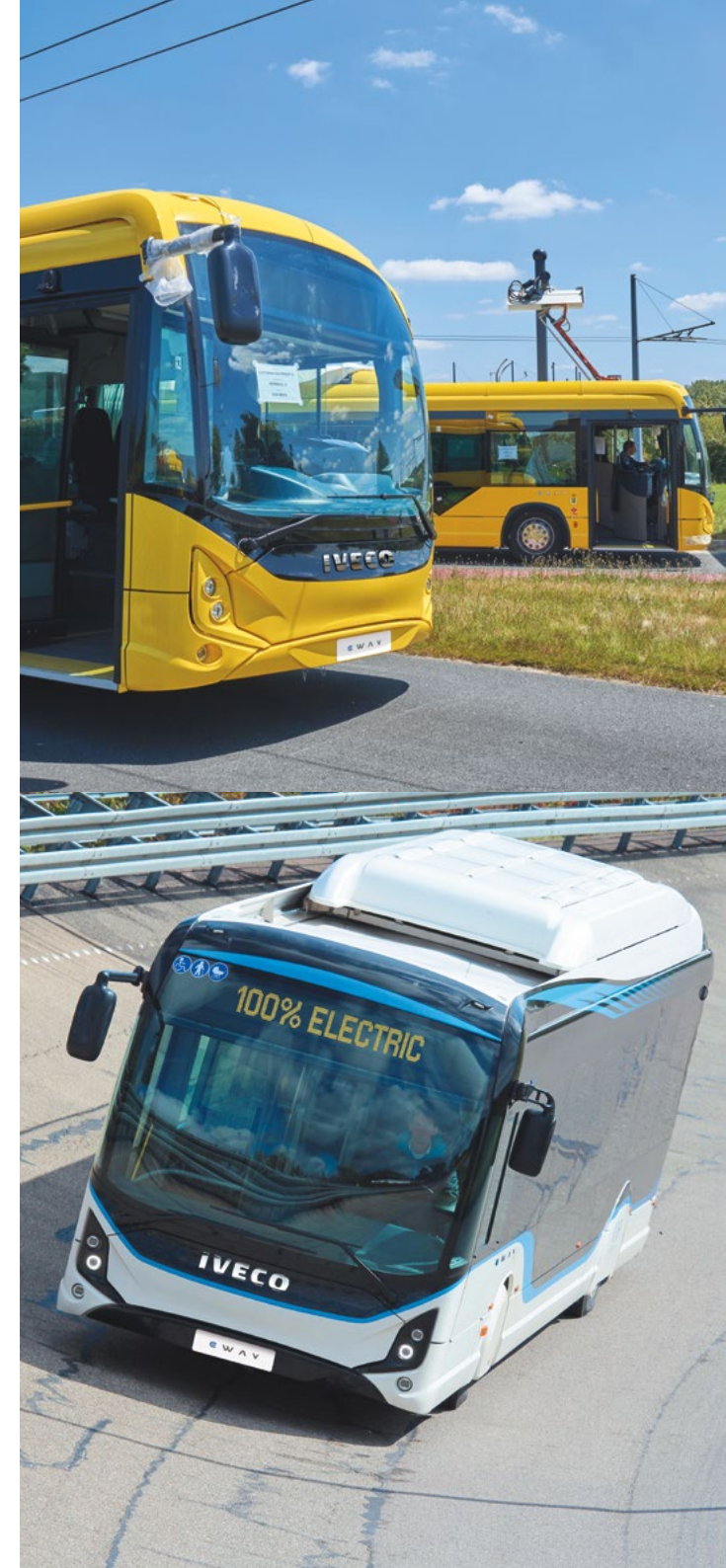
Slow charge

The slow charge through the CCS Combo 2 socket is the simplest, most flexible and economic type, only requiring the use of a simple charger with limited impact on the deposit. The manually activated socket is suitable for charging powers up to 150 kW. Combined with a high-capacity battery, the slow charge is ideal for full recharging when the vehicle is out of service. If combined with a fast-charge battery, allows to integrate the energy loaded by the pantograph in order to start the next service at 100% of the available energy.



On October 10th 2019, the E-WAY delivered a performance without equal on the test track, demonstrating its exceptional efficiency and autonomy with 527 km driven over 12 hours on a single charge.

Watch the video for more information.



Innovative design, total comfort

The E-WAY offers a high-level comfortable experience for both drivers and passengers with no vibrations, smooth acceleration and a spacious, carefully designed interior. Completely silent, the E-WAY ensures a quiet neighborhood for locals and top acoustic comfort for passengers. The triangular windows on the platform lower section guarantee maximum natural light flow inside the bus, while full LED lighting and the exclusive Lampa'Bus® option for indirect ambient lighting of blue, green or white color, create bright and pleasant travelling environment.



Fully customizable comfort

Different levels of interior and exterior customization are available, with a wide choice of materials and custom-made arrangements of the passenger compartment.

Any combination creates the conditions for the users' wellbeing and conviviality, contributing to a positive image of urban transport.

Ergonomics and safety for all

The ergonomic driver compartment enhances the driving experience by reducing stress and fatigue. The high position of the driver seat is studied for a better view on the road and an easy eye-contact with passengers. In addition, connectivity features such as the Driving Style Evaluation system facilitate the drivers' working day and help them enhance their safety.

The new E-WAY is fully compliant with ECE R100-2 regulation (vibrations, shocks, fire resistance) to deliver maximum safety and peace-of-mind to both passengers and driver.



Sustainability

commitment at 100%

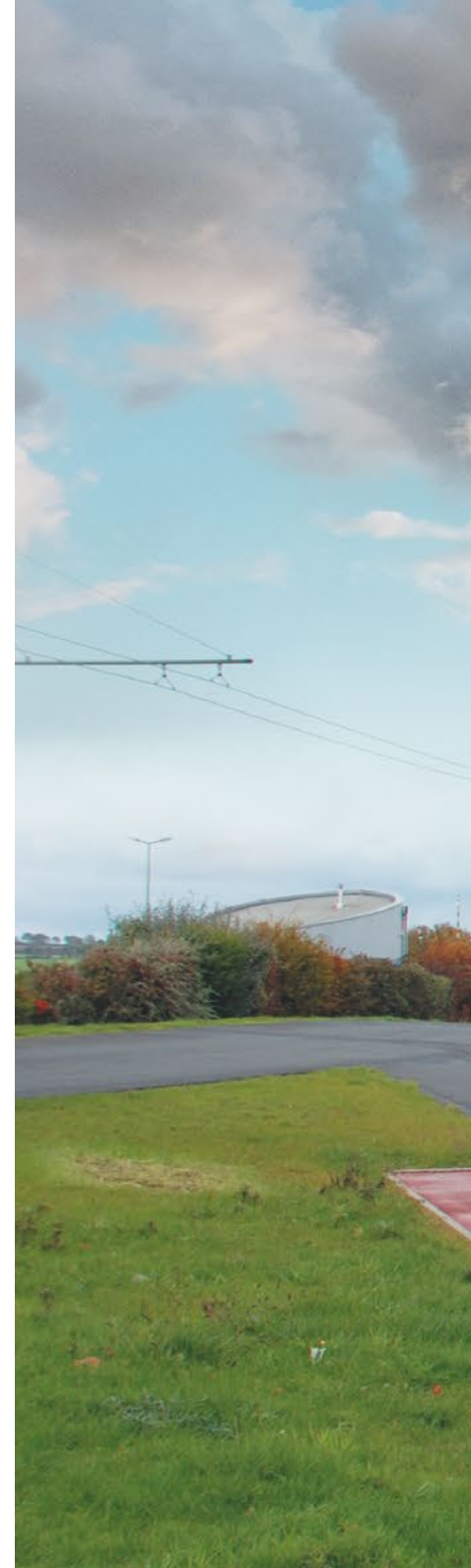
IVECO BUS recognizes the real importance of promoting a circular product life-cycle in which resources are used fully and for as long as possible, and both products and materials are recovered and regenerated at the end of their service lives.

For this reason, IVECO BUS offers a range of products that can run on fuels derived from renewable sources, and is committed to adopting sustainability criteria from the design stage in order to develop more environmentally friendly products.

The E-WAY body is made of stainless steel, a material which can be recycled at the end of the lifetime of the vehicle. Each component of the body is built entirely from bolted panels which can be individually removed for repair. For end-of-use purposes and material sorting, all the components are tagged at the factory by a standardized marking to allow a proper and easy recycling.

In addition to maximize product life, IVECO BUS also offers its customers a range of remanufactured spare parts, in line with its circular economy approach.

Like every other IVECO BUS plant, our manufacturing site at Rorthais in France has been implementing the World Class Manufacturing process for many years, in order to control and improve the whole manufacturing processes, including waste and energy management.





ABB

ABB

OPR-charge



IVECO

100
electric

EWAY

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

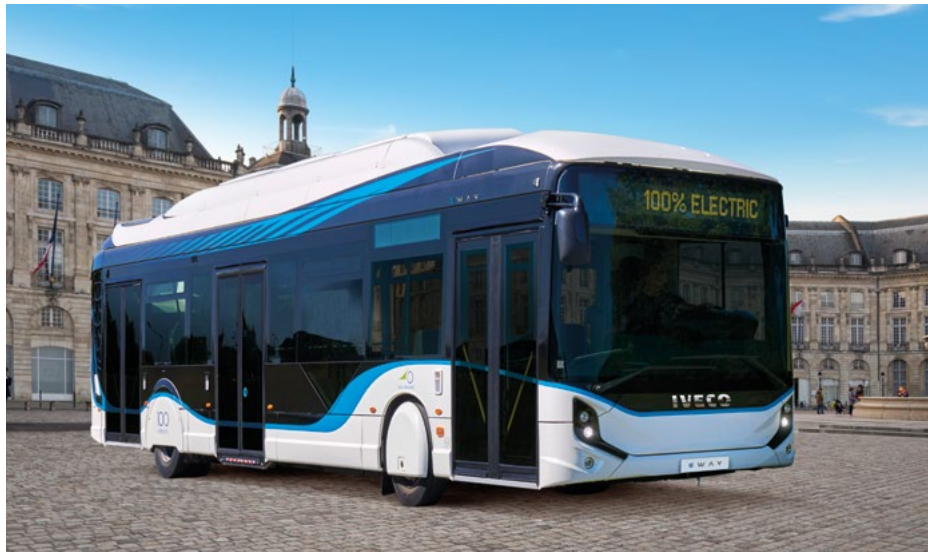


Premium Pack

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

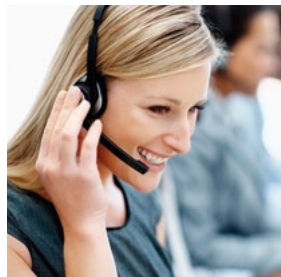


- Clutch
- Brake pads
- Brake discs
- Brake drums
- Brake linings for drum brakes

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 E-WAY 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 E-WAY 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.

IVECO **BUS**

Drive the road of change

PUBLICATION EWAY_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.