

# IVECO BUS

Drive the road of change



**E WAY**



# 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.



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# Electromobility in DNA

Electromobility is in our nature, with more than 20 years of experience paving the way for generations of trolleybuses, hybrid buses and battery-electric buses. Since its launch, the E-Way electromobility offer has proven to be highly reliable and efficient. Close to 1,000 units are currently in service in more than a dozen European countries, having run more than 55,000,000 km.

IVECO BUS never stops developing its E-Way range to always offer its customers the best in electromobility, and the new generation is the latest step forward on its path to carbon-free mobility.



# E-WAY new generation

One of the major new developments introduced on the E-Way models is the evolution of energy storage and its modular concept. With 5 to 9 packs depending on the vehicle model, it will meet the most demanding requirements of operators in terms of daily range and passenger capacity. It is the latest NMC battery technology industrialized specifically by FPT for IVECO BUS, whose single-unit capacity reaches 69.3 kWh.

With this unique technology, IVECO BUS can now offer overnight charging at the depot on the articulated version of the E-Way. The extended battery capacity will enable to provide a range of up to 400 km according to operation conditions.

ADAS systems following the GSR set of regulation are completing the E-Way new generation to take passengers wherever, comfortably and safely in the small towns as well as mega cities around the globe.



# 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.

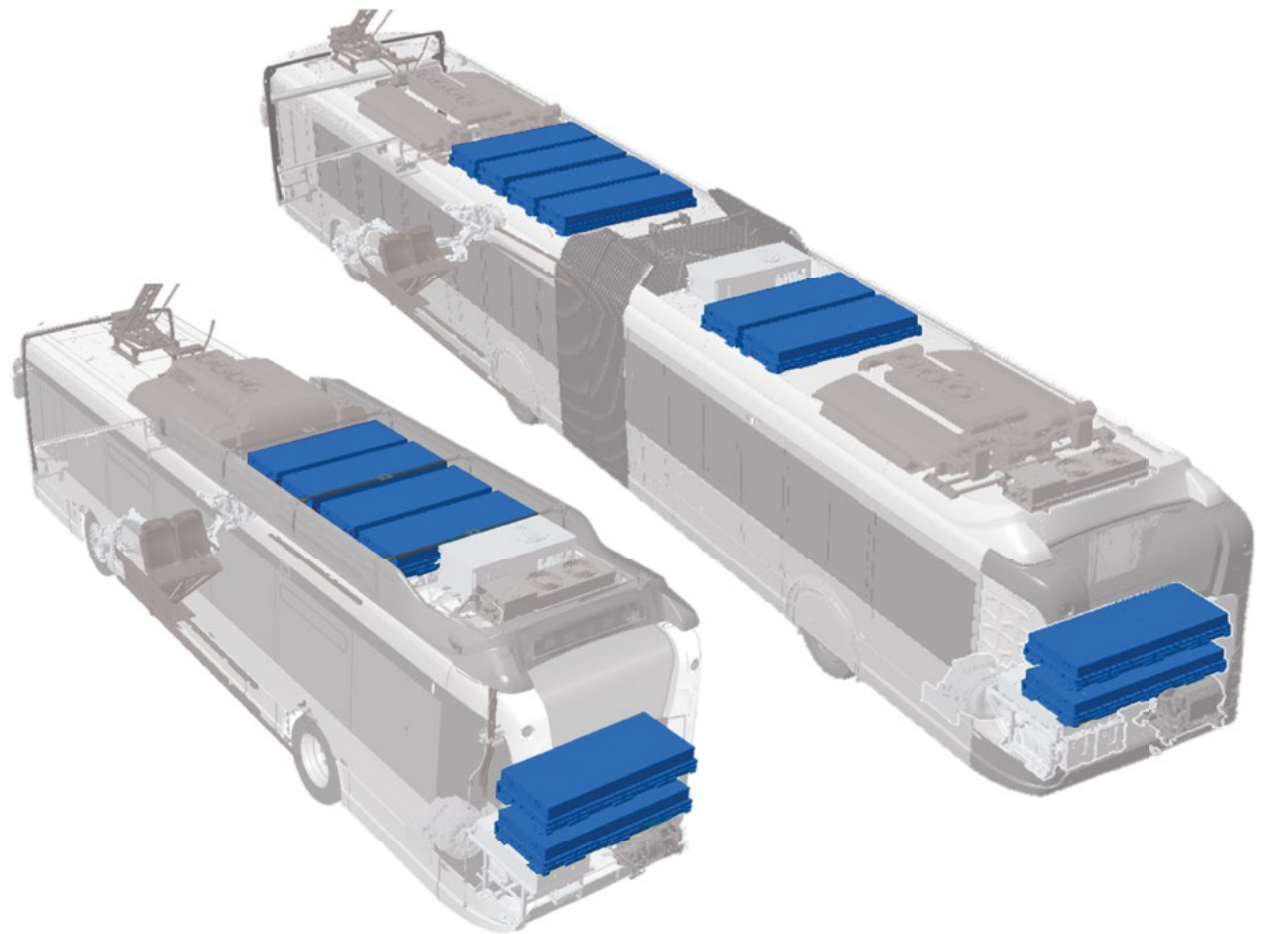


	9.5 m	10.7 m	12 m	18 m
<b>Length x Width</b>	9.5 x 2.33	10.7 x 2.33	12.0 x 2.55	18.0 x 2.55
<b>New Driveline</b>	Max Power 290 kW Max Torque 3000 Nm	Max Power 290 kW Max Torque 3000 Nm	Max Power 290 kW Max Torque 3000 Nm	Max Power 450 kW Max Torque 4000 Nm
<b>Battery packs</b>	5 packs 346 kWh	5 packs 346 kWh 6 packs 416 kWh	5 packs 346 kWh 6 packs 416 kWh 7 packs 485 kWh	5 packs 346 kWh 6 packs 416 kWh 7 packs 485 kWh 8 packs 554 kWh 9 packs 624 kWh
<b>Overnight Charging</b>	•	•	•	•
<b>Pantograph</b>			•	•
<b>Fleet management</b>	•	•	•	•
<b>Proactive maintenance</b>	•	•	•	•
<b>Configuration</b>	STD	STD	STD / BRT	STD / BRT



# New batteries: the widest choice for your specific needs

E-Way New Generation takes advantage of the rear room compartment and the roof to install HV staff and eDrive leaving the passenger room and the floor free from any HV device. The new central eMotor is located in the rear compartment with its power electronics safely stowed and protected and delivering up to 290 kW power for 9.5, 10.7 and 12 meters, whereas it delivers up to 450 kW for the 18 m bus. The battery packs and their combination target the optimization of installed energy and passenger capacity. From 5 to 7 packs are offered for the 9.5, 10.7 and 12 meters, while the 18 meters version can include up to 9 packs. The intelligent distribution of packs, some on the roof and others in the rear compartment, ensures optimal weight distribution and makes the most of the available space. The innovative NMC technology and the unique layout of the E-Way allow to deliver high installed capacity, maximum energy density and a braking system with compact dimensions. Thus, the overall height of the vehicle remains below 3300 mm, allowing the E-Way to pass under small bridges and small tunnels.



# Innovative design

## New front face

E-Way New Generation front face is now hosting the specific driving assistance systems ADAS for safer driving:

- **BSIS** – BLIND SPOT INFORMATION SYSTEM
- **MOIS** – MOVING OFF INFORMATION SYSTEM
- **ISA** – INTELLIGENT SPEED ASSISTANT
- **DDAW** – DRIVER DROWSINESS ATTENTION WARNING

Those sensing tools are incorporated in a radar installed in the front face and a camera lens covering the whole frontal area from the inner side behind the windscreen. Its combination is able to detect Vulnerable Road Users approaching frontally and from lateral directions, as well as road signals. The camera is packed with a light sensor that allows the automatic switching on of front headlights.



— I CAMERA LENS

— I MOIS RADAR

## Lateral face

E-Way brings its distinctive lateral face with enlarged glazed surface to allow natural light spread as warmly in winter as it is discreetly in summer making the stay on board always pleasant in any condition.

The Blind Spot information system is monitoring the right side lateral face ready to alert about a cyclist or an individual with a scooter is approaching the bus on the right side, preventing from accidentally miss the Vulnerable Road User being detected when turning on the right.

As an option, the Blind Spot Information can be equipped to survey the left hand side as well, thus covering the full lateral perimeter, very useful in one way roads and in the city center where pedestrians and cyclists are normally more frequently crossing the road.

Either showing bare steel rims or elegant wheel covers from the Linium style of habillage, wheels are provided with sensors and TPMS system to inform the driver about the tire pressure realtime on each wheel.

## Back face

In the back, camera is continuously survey the area behind the bus, provided with dynamic line and able to warn about the risk of collision with a Vulnerable Road User, either in the manoeuvring during maintenance operations or moving into the city traffic, individual safety when they are close to the bus always matters.

To inform the driver that a VRU is in the danger area behind the bus, a screen is located in the upper front panel slightly above its head, or just on the right top side to minimise head movement to either control the road in front and what's the camera is displaying in the back.

The rear van is provided with openings to allow components inspection and particularly, the new junction box and the HV connections.



# 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.

For thermal comfort, the E-Way new generation will also offer a CO<sub>2</sub> heat pump with improved air distribution system. Well designed air ducts and outlets spread the air tangentially to the roof in the corridor and towards the glazed surface sideways, not investing directly the passenger.

Heat Pump can also use its power to keep the batteries in the proper temperature range so that the autonomy can be further improved.



# Driver place

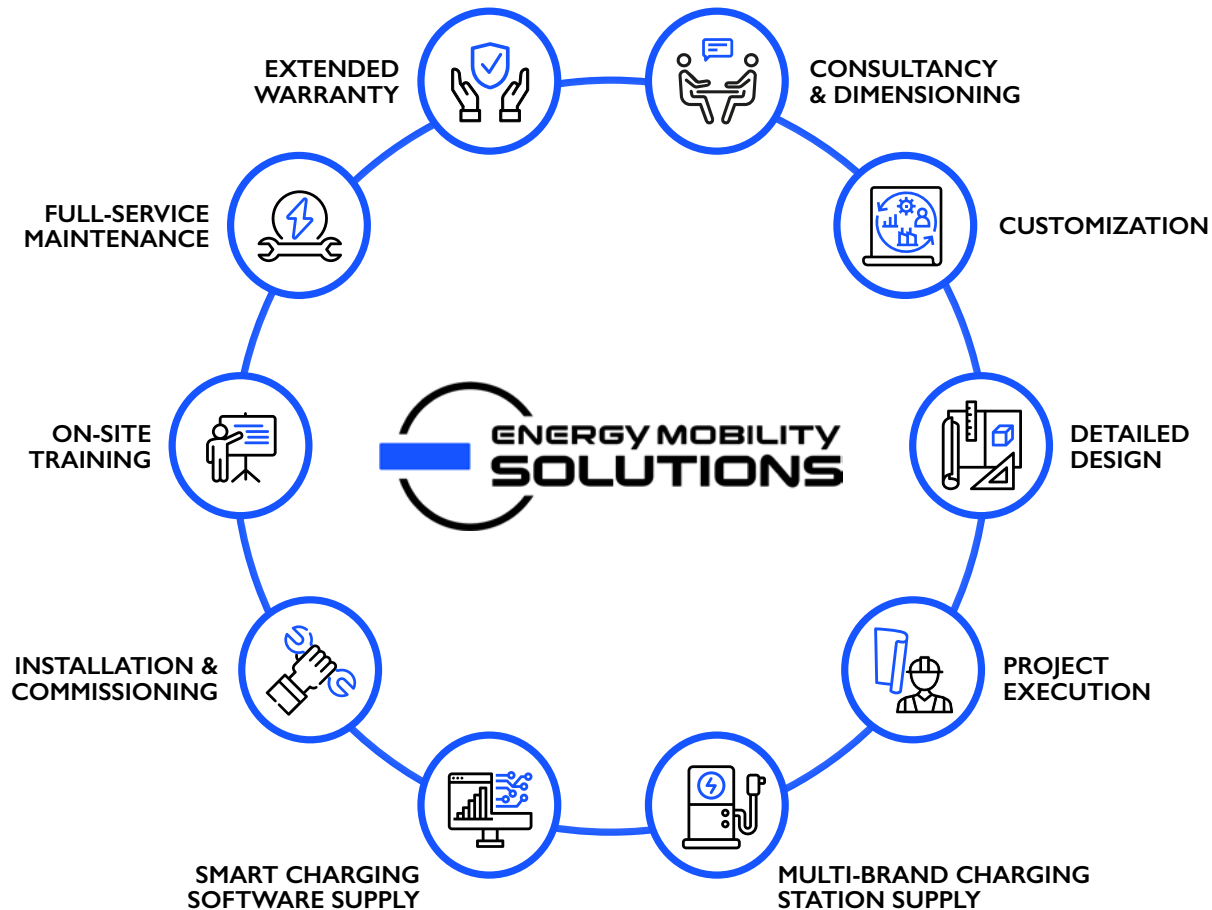
The ergonomic driver compartment enhances the driving experience by reducing stress and fatigue. The high position of the driver seat is studied for a better view on the road and an easy eye-contact with passengers.

The E-Way new generation is fully compliant with R29 for safer workplace, R66 for safer passenger room, R93 for prevention of severe or fatal outcomes in case of frontal accident with a car to deliver maximum safety and peace-of-mind to both passengers and driver.

E-Way's dashboard offer clear and accessible information regarding all vehicle functions, particularly those related to ADAS by an interface that allow to modulate and set preferences up when driving. All the parameters are accessible by surfing into the pages.



# Energy Mobility Solutions (EMS)



Energy Mobility Solutions is a new dedicated team created to support IVECO BUS customers in **transitioning to a 100% electric or hydrogen fleet** with a **comprehensive solution**.

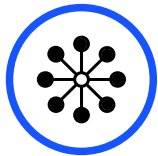
Through this offer, EMS aims to provide transport operators with the **best user experience** for its **zero-emission** vehicles.

With this step, the brand extends its offer **beyond the supply of vehicles** to also provide specialized consulting activities, along with the design and implementation of software and facilities.

**ONE GOAL:** ease the energy transition in public transport.

# Effective model

## of electric and hydrogen mobility solutions



### Complexity Management

Designing and operating a zero emissions bus depot requires a higher level of complexity. EMS aims to offer a **single point of contact** to develop your solution both in electric and hydrogen.



### Fleet Uptime

We share your same interest: vehicles must be ready to perform the service they are intended for. EMS takes care of managing the charging infrastructure and vehicles in a way that ensures they are **fully operational every day**.



### Energy Optimization

We have always been by your side to optimize your vehicles' fuel consumption. Now, we want to help you **optimize the energy consumption** of the entire ecosystem: buses and infrastructure.

# 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.



## Smart Pack

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

### IVECO ON Customer Portal

- Dashboards and reports available about any bus fleet operation
- Driving style evaluation dashboards

### Control Room Reports

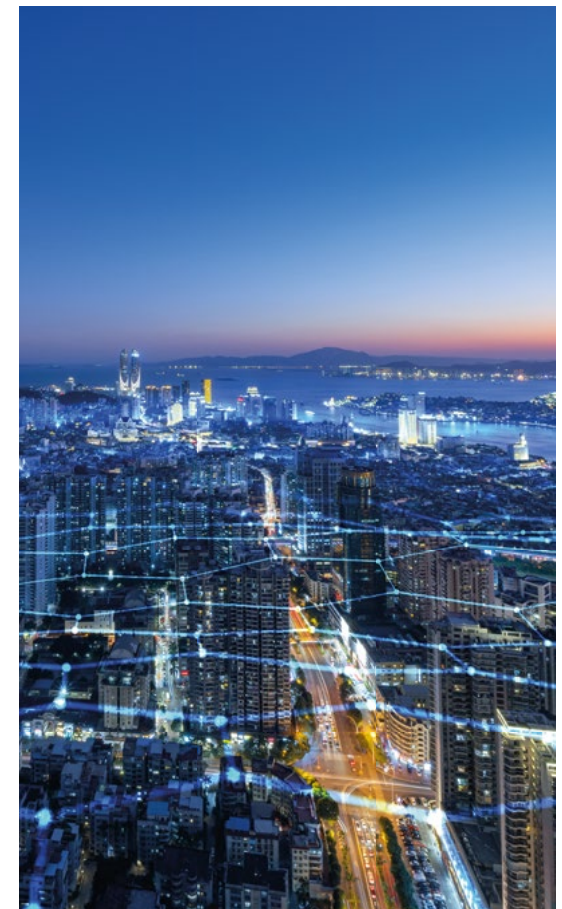
- Online, dynamic technical reports
- Monitor your buses' daily KPIs and recurring faults
- Find all the information you need to manage your maintenance more proactively
- Keep an eye on your e-buses with a dedicated traction battery report



### The IVECO Easy Bus app is designed to make your life easier

Directly from your mobile device, you can benefit from the following features:

- **Driving Style Evaluation:** The user experience is enhanced thanks to the real-time driving style KPIs and to the possibility to compare scores between several trips
- **Remote Assistance Service:** This feature enable your dealer to perform diagnosis and programming remotely in case of software problem on your vehicle. Thus it improves the vehicle's uptime and limits travels and costs
- **Over the Air update:** You are able to perform software recall campaign by yourself in the vehicle without stopping at workshop. It will also increase your vehicle's uptime and enable you to have a vehicle always up to date. You can choose the right moment to update the software
- Easy Pairing to your vehicle





# 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. New services will support your e-bus fleet operation, providing charging station monitoring, Smart Charging and Depot Management.

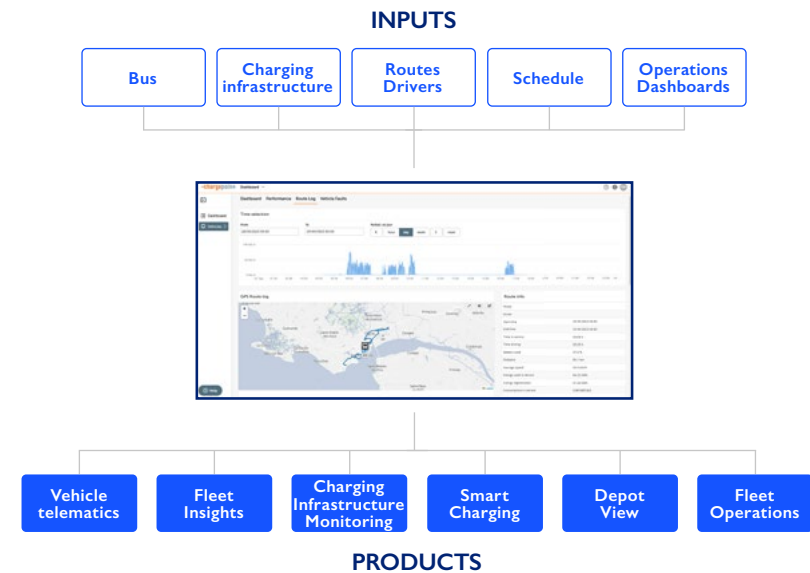
## TiGR Web API

The TiGR Web API (specified by the European ITxPT association) is a standardized multi-brand fleet management data stream. It allows you to 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 ChargePoint

Choose among ChargePoint products the solution that best fits your needs for your ICE or e-bus fleet, including charging stations, Smart charging and depot management. Services are part of IVECO BUS offering and can be activated via the IVECO ON Portal.



### FLEET MANAGEMENT BENEFITS

- Key features for Vehicle telematic license are real time position, battery SoC, FMS data and more
- Adding the Insights license gives more features such as Analysis functionality or detailed battery
- Chargers monitoring for fleets consists of different packages. It covers the essentials for fleet depot customers
- Smart charging makes sure that energy gets distributed to the chargers within the site limits while also limiting energy costs
- Depot View provides a visual overview of the depot with all chargers and vehicles
- Fleet Operation is the final step, where variables like route planning and state of charge of the vehicles are taking into account to allocate vehicles to specific chargers in order to optimize depot operations

# 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, allowing you to be focused just on your business.

## Customised service packages

With the aim of offering you the service you need, IVECO BUS has a wide range of tailored service packages, designed to keep your vehicle on the road with minimal interruptions for maintenance and, if needed, repairs.

### Tailor-made service

Specialised high-quality service packages aim to ensure a long life for every vehicle in all sectors. Combine the packages that best fit your needs in order to create your own tailor-made service solution! 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
<b>3XL • LIFE</b>	•	•	•	•
<b>M • LIFE</b>	•			•
<b>S • LIFE</b>	•			

#### 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**  
00800|4|8|3|2|6|000  
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.



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## Genuine Parts

HIGH PERFORMANCE

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.



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## 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 CAPITAL

IVECO CAPITAL is the captive financial services Brand of Iveco Group, 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\*. IVECO CAPITAL supports all your business needs with a dedicated bundle offer, an expert consultant in the IVECO BUS dealer will propose not only an efficient financial offer but a full range of tailored services to guarantee you a real peace of mind solution. Discover more on [www.ivecocapital.com](http://www.ivecocapital.com) finding the right solution for all your business needs.

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



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## IVECO BUS

CERTIFIED PRE-OWNED

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

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