

GULLIVER

Legendary green

SINCE 1988.



TECNOBUS

WHO WE ARE

TECNOBUS is an **Italian** company, present on the market for over 30 years, **leader in the production of electric minibuses.**

TECNOBUS

The Italian answer to **sustainable mobility.**

OUR HISTORY

Tecnobus: since 1988 we are traveling into the future.

Tecnobus sold the first electric vehicle for transporting people in **1988**, the first **Gulliver electric minibuses** were sold in **1994**, and today it represents **the European leader in minibuses with over 500 vehicles sold in and outside Europe.**

The only one in the world with **more than 200 million kilometers of history.**

Tecnobus has been always committed to fully respond to the growing expectations of public transport entities and operators who wish to reduce air pollution by using truly zero-emission buses.

The professional approach implemented by Tecnobus provides its customers, starting from the design phases, with **reliability and quality commitments, limiting CO2 emissions.**

Today, **hundreds of minibuses** are in operation **around the world.**

What makes us different:

**RELIABILITY AND EXPERIENCE,
KNOW-HOW, AND PASSION.**





Norway
 Germany
 Belgium
 England

France
 Portugal
 Spain
 Italy
 Greece

Canada South Africa Taiwan

more than **500** minibus sold around the world

OUR VALUES

Technological innovation

Research and development

Design

Sustainability

100% Italian supply chain

Safeguarding the historical heritage present in the cities

Electric minibus

GULLIVER
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TECNOBUS

THE URBAN BUS WITH UNLIMITED TRAVEL

Unique in the world with interchangeable battery, 100% recyclable

Thanks to the **fast battery replacement in less than three minutes**, Gulliver basically has the extraordinary performance of unlimited mileage, thus optimizing management costs on short routes.

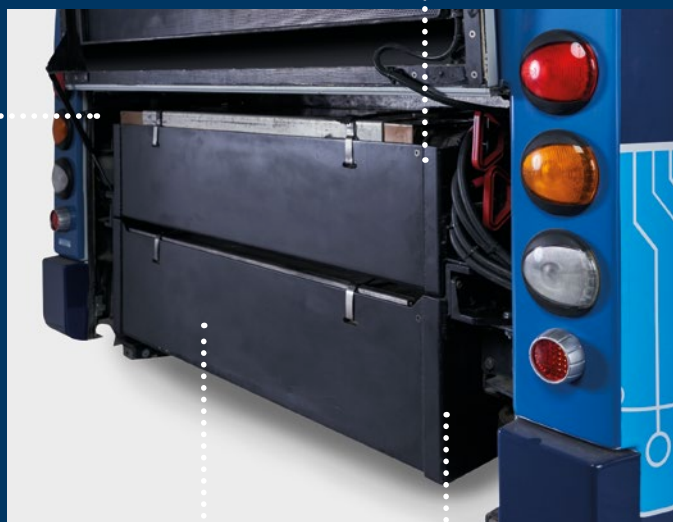
Simple to charge: there is no need for a charging station, our minibus has an integrated charger and can be loaded in a very short time.



Unique in the world with interchangeable battery



Interchangeable in 3 minutes



Tested to travel from -30° to + 50°



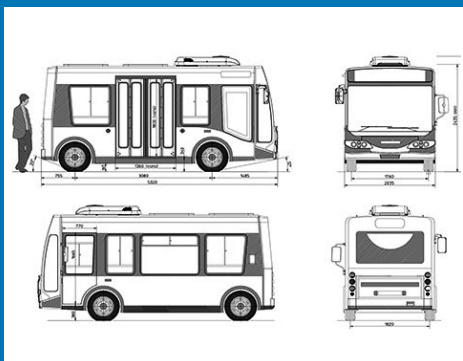
Not inflammable



ARRIVES EVERYWHERE AND THERE IS SPACE FOR EVERYONE



1



The only one in the market with a length of **5,32 m**. Agile and compact with a small turning radius.

2



Equipped with an **automated access for the disabled people**. It ensures **comfort** for driver and passengers and easy access for people with reduced mobility.

3



Designed for **the cities of the future** and **the villages of the past**.

Designed and developed to easily navigate the narrow streets of city centers difficult to access for conventional buses, our minibus is suitable and efficient to serve suburban areas and short distances.

4



Anti-intrusion driver's door, for driver's and passengers' safety.



OUR MINIBUS IS A CONCENTRATE OF INNOVATIONS

Tecnobus does not produce an electric minibus for everyone, it is a niche product with the **highest quality**. Our minibus is a concentrate of innovations, combining performances with its **modern and elegant design**, with large spaces for passengers' comfort.

Our electric minibus is entirely green made in Italy.

- Great attention to the use of non-polluting and recyclable material;
- Very high level of safety thanks to the use of special batteries;
- Very low maintenance requested.

Our PLUS

BATTERY PERFORMANCES

- High energy density
- High level of safety
- Environmental friendly

MADE IN ITALY

- Recyclable structure
- Certification
- Italian supply chain

COMPACT AND EASY TO USE

- Great maneuverability
- Small size (5.32m x 2.20m)
- Spacious: up to 30 passengers

SAFETY AND AUTOMATION

- Anti-intrusion driver's door for driver's and passengers' safety
- Automatic platform for the disabled not operated by the staff

TECHNICAL CHARACTERISTICS OF THE NEW VEHICLE

ENGINE	DC electric, separate excitation, wound rotor, air cooled
Maximum power	32kW(43.5hp)at 1900 rpm
Maximum torque	160Nm(16.5kgm)at 1900 rpm
CHASSIS	In welded boxed sheet, with anti-corrosion treatment, galvanically isolated
CAR BODY	Integral, in semi-working fiberglass
GEAR BOX	1FW + 1RW
TRANSMISSION	Mechanics, shaft equipped with cardan joints on the front axis Electronic energy recovery system
STEERING	Steering wheel adjustable in height and inclination, with worm screw power steering
turning radius at the level of the outer wheel	6300 mm
turning radius at car body level	7075 mm
SUSPENSIONS	Self-leveling pneumatic on both axles Front and rear: air springs and double-acting shock absorbers
TIRE	
Simple front	225/75R16-121/120R
Simple rear	225/75R16-121/120R
BRAKES	Hydraulic drum on 4 wheels, operated by double piston foot pump. Hydraulic system with two independent circuits, with brake booster and ABS system. Pneumatically operated mechanical parking brake, acting on the rear drums
ELECTRIC TRACTION SYSTEM	
Nominal voltage	85 VDC
Electronic system	1000 A
Batteries	n.2 Batteries, for a total nominal 85V - 836 Ah – 71.2 kWh
ELECTRICAL SERVICES SYSTEM	
Nominal voltage	24 V
Converter	1 50-100VDC / 24VDC, 80A max n.2
Batteries	da 12 V - 50 Ah
MASSES	
Maximum tare weight (including driver)	3875 kg
Maximum mass (fully loaded)	5915 kg
Passengers	30+1
VEICHOLO FEATURES	
Length	5320 mm
Width	2035 mm
Height	2435 mm without conditioner / 2660 mm with conditioner
Autonomy	about 200km

The E-Bus Experience



TECNOBUS


INDUSTRIES S.R.L.



Azienda Certificata NR. 2202006 AA 006 0400129

Azienda Certificata NR. 2202007 BA 007 0400131

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