

## **Bilbao adds two 100% electric Irizar i2e buses to its fleet**

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**As of today, the city of Bilbao will have two new 100% electric Irizar i2e buses.**

These buses are joining the Bilbobus fleet and will operate on several lines.

The two new 12-metre long, 100% electric, zero emissions Irizar i2e buses have been designed with the aim of optimising the use of energy, improving the performance of Bilbobus' city buses.

These totally silent, zero emission vehicles achieve a range of over 200 kilometres and include sodium-nickel batteries that provide power to the electric motor, resulting in a nominal torque of 1500 Nm and 180 kW of power. The vehicle regenerates braking energy as electricity, increasing battery life.

In addition to having all the comfort, accessibility and safety features demanded by Bilbobus, they are equipped with USB chargers as well as all the systems for optimal fleet management.

In addition, Irizar has supplied the charging stations and the smart charging system for the buses, developed by JEMA (an Irizar Group company), which automatically manages and optimises electricity consumption.

*"With this purchase Bilbobus becomes the first road public transport to include electric vehicles in its fleet," Deputy Mayor and Councilman of the Transport and Environment Department, Alfonso Gil. "Bilbao is once again at the vanguard of technological innovation in offering its services with a clear vocation, on the one hand, continuous improvement on the other, all to boost the region." This initiative "is part of the City Council's commitment to the environment and sustainability, and the search for solutions to reduce transportation's impact on the environment and to search for sustainable alternatives".*

## **The Irizar i2e 100% electric bus by Irizar Group**

Developed and manufactured with the Group's own European technology and a life-cycle approach, the Irizar i2e is the result of the Group's strategic commitment to innovation, with the aim of becoming a benchmark in sustainable urban mobility.

The Irizar i2e offers a sustainable and eco-efficient urban mobility solution responding to the current and future needs of city transport. The i2e bus has a very low carbon footprint of 8.45 g CO<sub>2</sub> eq./km.p (per passenger kilometre). Compared to a conventional combustion bus, around 800 tons of CO<sub>2</sub> are prevented from being emitted during its entire service life.

## **Tests that demonstrate the efficiency and operating range**

Important European cities with firm commitments to sustainability such as San Sebastian, Barcelona, the Metropolitan Area of Barcelona, Valencia, London and now Bilbao have buses operating on their lines with successful operating data.

It is worth noting that six Irizar i2e buses make up France's first 100% electric line in Marseille. The user satisfaction level is currently 99%.

In addition, cities such as Bayonne, Paris, Nice, Madrid, Malaga, Le Havre, Grenoble and others which will soon be added have carried out successful tests with these vehicles.

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