

COACH & BUS 2017

Birmingham 4th-5th October

A new generation of sustainable and luxurious coaches and buses with Irizar's leading-edge technology

Irizar, a world leader in the manufacture of coaches and buses, is attending the COACH&BUS 2017 exhibition with a new generation of vehicles and technology on a 300 m2 stand.

At stand F1, the new i6S luxury touring coach and i4H hybrid suburban commuter coach will be shown for the first time in right-hand drive format alongside the flagship i8 and best-selling i6. With the exception of the i4H, all vehicles on the stand feature advanced DAF/ZF drivelines.

Irizar's i4H brings hybrid-drive technology to the commuter coach market for the first time in the UK. Irizar uses parallel hybrid technology, which combines the latest Cummins Euro VI OBD-C engine and a powerful electric motor/generator to produce an efficient, low-pollution drive-line. During braking and downhill running, the motor/generator acts as a retarder to recover energy that would otherwise be lost in braking, and charges the i4H's Lithium-Ion batteries. In heavy traffic, the recovered energy supplements the diesel power in stop-start traffic conditions. Overall reductions in fuel consumption and emissions in the order of 20 per cent have already been achieved by the i4H in day-to-day suburban operations on the Continent.

The i4H's six-cylinder Cummins engine is effectively 'future-proofed' by being ready to run on pure HVO (hydrotreated vegetable oil), or any blend of HVO and mineral diesel. HVO is a sustainable fuel which can be produced from biowaste.

Moving away altogether from internal combustion is seen as the next step in some urban operations. Irizar offers a taste of the future in the outdoor part of the exhibition with a demonstration of its 10.8-metre electric citybus, which has been designed to meet the specific demands of the UK market.

Irizar's new 100%-electric zero-emissions 10.8-metre citybus complements the fleet of 12-metre Irizar electric buses that have been circulating the streets of London since June, 2015. A newly-created company, **Irizar e-mobility**, combines the knowledge and experience of all the companies in the Irizar Group to provide complete urban mobility solutions consisting of 100% electric buses and the main infrastructure systems required for charging, drive systems and energy storage. All the systems have been



designed and manufactured with the Group using 100% European technology and have Irizar's guarantee and service quality.

With the new additions to its line-up, Irizar demonstrates how it can cover every segment of road passenger transport, including urban, intercity and long-distance travel in both the commuter and leisure sectors, and that it is now established as a leader in sustainable mobility while having retained its core values in design, personalisation, safety, reliability and sustainability.

These innovative products will be presented at **the Irizar UK stand on 4th October.**