

Press Release

IVECO BUS sets up a testing and validation facility within its R&D center

IVECO BUS, a leading player in the design and production of passenger transport solutions has installed a flexible and efficient test facility, called **E-BENCH**. Located in its Vénissieux R&D center, this innovative test facility is unique in Europe and a real asset for the manufacturer. It will enable it to stay ahead of the game in product development in a constantly evolving market by optimizing time-to-market while improving reliability.

Vénissieux, 24th May 2023

IVECO BUS is constantly innovating in its drive to make transport cleaner and more efficient. To accelerate the development of its vehicles and improve their reliability, the manufacturer has chosen to equip its R&D center in Vénissieux with a test facility, called **E-BENCH**. It will enable it to test both individual components and complete vehicles, simulating all types of missions and all types of climates, in real driving conditions.

Unique in Europe and particularly versatile, this test facility stands out for its testing capabilities: roller dynamometer, climate bench, bench for individual components, complete HIL bench (all components together), compatibility for electric and hydrogen propulsion vehicles, as well as combustion engine vehicles.

The architecture of the **E-BENCH** consists of interconnected cells that allow the testing of vehicles and, most importantly, functional models called SKATE. The main test cell can simulate the dynamics of the vehicle via two loading machines, while simulating extreme climatic conditions and combining climatic functions (between -15°C and +55°C in all seasons). These constraints generate an air flow of up to 210,000m³/h.

This new test facility will be a real asset to support the development and fine-tuning of all new IVECO BUS products featuring the latest technologies. It will improve time-to-market, reliability, and maturity of products in the development phases. Customers will benefit from the assurance that they will remain at the forefront of the mobility of the future by with the most advanced and efficient clean transport solutions that meet the requirements of their missions.

The IVECO BUS **E-BENCH** project was funded by the State within the Future Investment Program, which is now part of the 'France 2030' program, and operated by ADEME, the French Agency for Ecological Transition."

IVECO BUS

IVECO BUS is a brand of Iveco Group N.V., a global leader in commercial and specialty vehicles, powertrain, and financial services, listed on the Borsa Italiana in Milan.

A major player in the field of public transport, and among the leading bus and coach manufacturers in Europe, IVECO BUS designs, manufactures and markets a broad range of vehicles that meets all the needs of public and private operators:

- school, intercity and tourism coaches;*
- standard and articulated city buses, including BRT dedicated versions; city midibuses*
- minibuses for all passenger transport missions.*

IVECO BUS benefits from a strong expertise in alternative energies vehicles and is now capable of offering a complete range running on compressed natural gas – fully compatible with biomethane – and in the electromobility field, to suit every kind of transport need. Thus, IVECO BUS positions itself as a reference partner to face the numerous challenges of sustainable mobility.

IVECO BUS employs over 5,000 people across four production units, in Annonay, France, Vysoké Myto, Czech Republic, Brescia, Italy and in Rorthais, France with its electromobility center of excellence.

The extensive IVECO BUS and IVECO service network guarantees assistance around the world wherever an Iveco Bus vehicle is at work.

For further information about IVECO BUS: www.ivecobus.com

For further information about Iveco Group: www.ivecogroup.com

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