

Ebusco 3.0 another game changer in the electric bus industry

Short summary

Once again, Ebusco has reached a new milestone in the development of emission-free driving in public transport. This by applying new techniques and materials in the production of its buses. This results in a weight reduction of 33% and the ability to reach a distance up to 500 km's with one charge. With this new development, Ebusco peers with diesel fuelled buses, however without the emission, without high fuel costs, with much higher comfort, better safety and more space for passengers.

Ebusco has broken many records and is with the Ebusco 2.2 already producing a very attractive bus that reaches a range of up to 450 km with a battery package of 423 kWh. With the new Ebusco 3.0, Ebusco continues to innovate and is applying technologies and innovations from the aviation and aerospace industry.

Ebusco only develops and produces electric buses and is therefore not limited in its thinking and actions by bus designs based on diesel technology and its specific limitations. In recent years, Ebusco has implemented a number of innovations, making it now the fastest growing and best-selling E-bus company in Europe.

With a multifunctional team of key experts, who have earned their spurs in the field of aerospace, automotive and electronics, Ebusco has developed an innovative fully electric bus, which largely consists of composite parts. Composite is a combined material made of at least two constituent materials with different physical or chemical properties. This makes the bus even 33% lighter than our Ebusco 2.2. without compromising on robustness, stiffness or safety. On the contrary: by departing the traditional way of bus design, safety, applicability and comfort have increased enormously. The design has been fully aligned with this new development, leaving even more room for innovative applications. This greatly increases comfort for both passengers and driver.

“This new bus heralds the definitive end of the diesel era. The Ebusco 2.2 already improved the so called Total Cost of Ownership (TCO) massively compared to the diesel fuelled buses, but with the Ebusco 3.0 nothing stands in the way anymore to speed up the tempo to make public transport more sustainable. We now are able to make the world in which we live even cleaner, safer and healthier”, according to Peter Bijvelds, CEO Ebusco.



Passenger comfort and safety

- Revolutionary design allows for more comfort due to the spacious and luxurious interior;
- Considerable noise reduction both inside and outside of the bus;
- Fully flat floor throughout the bus, allowing for maximum window size;
- Panoramic window in roof as batteries are all mounted in the floor;
- Increased freedom of movement, flexibility, passenger flow and timely operation of the bus due to an increased interior width, of up to 90 cm, between the wheel arches.
- Excellent visibility throughout the bus due to the spacious design and increased natural incidence of light.

Driver support

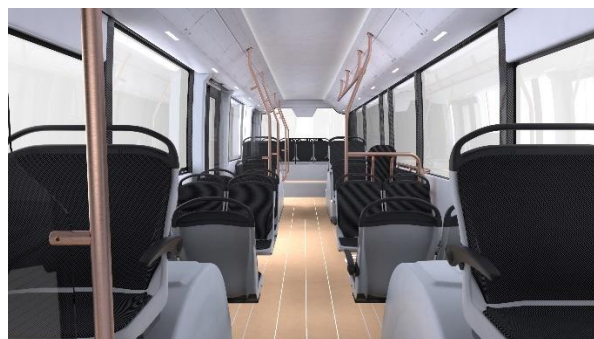
- Outside mirrors are replaced by cameras, increasing the safety and aerodynamics of the bus;
- Automatically adjustable driver seat, dashboard and camera mirror systems 'fit' the driver's workplace around the driver;
- Low centre of gravity as batteries are hidden in the floor, ensuring excellent straight line stability and exceptional steerability.

Reduced Total Cost of Ownership

- The Ebusco 3.0 is designed for overnight charging due to its light weight and high efficiency, offering a maximum flexibility in daytime route adjustments and allowing for charging during lower night-time energy rates;
- A full composite body reduces maintenance costs considerably and extends the operational life span of the bus beyond 15 years;
- The lightweight design increases its range substantially (expected up to 500 km on 1 battery charge).

Production in the Netherlands, in innovative top technology region Brainport Eindhoven

By mid-2020, the Ebusco 3.0 is expected to be ready to go into production in Ebusco's production plant in Deurne (the Netherlands). Ebusco's highly specialised team, with a proven track record in several industries, has developed the Ebusco 3.0 for production in large numbers.



About Ebusco

Ebusco is a leading Dutch company in the field of electric buses and charging systems. It is Ebusco's goal to make clean, silent and emission-free public transport available to everyone.

Note for editors - not for publication

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