



4-7 JUNE

BARCELONA 2023

**GLOBAL PUBLIC
TRANSPORT SUMMIT**

ON THE ROAD TO GREENER CITIES WITH CLEAN AND ZERO- EMISSION BUSES

INNOVATION GUIDED TOURS

Tuesday 6 June, 16:30 - 17:30

Alternative propulsion innovations and new design concepts are moving decarbonisation forward in road transport. During this tour, cleaner, energy efficient and more silent

vehicles will be presented with participants able to experience the latest vehicles revealed by leading bus manufacturers.



DAIMLER TRUCK
Daimler Buses



bluebus



SCANIA

EBUSCO®
MADE TO MOVE PEOPLE

MAN Truck & Bus SE

New MAN Lion's City 10 E is compact master of agility with full digital services

In a dynamically changing environment, clever and individually-tailored mobility solutions play a major role in the transformation of the entire transport sector.

MAN Truck & Bus has listened to its customers and now offers a smart and versatile all-electric solution that only takes 10.5 m of public space, has a possibly record-breaking small turning circle and still one of the largest battery capacities on the market. The ideal solution with up to 80 passengers for all-day operation in busy city centres and pedestrian zones. Size certainly does matter here!

Fully integrated in the MAN Lion's City Family, the Lion's City 10 E not only addresses the customers with its outstanding cost-efficiency, but also the passengers with an unobstructed, spacious interior. Especially the driver is taken care of by an intuitive HMI concept and state-of-the-art connectivity functions like the MAN Driver App offered by MAN DigitalServices. Also made by MAN DigitalServices, the free MAN eManager lets every fleet manager optimize the charging and preconditioning planning over the air.

With the introduction of the MAN Lion's City 10 E, the days of 'one size fits all' are long gone for sure.



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Daimler Buses / EvoBus GmbH

Mercedes-Benz eCitaro fuel cell

The eCitaro fuel cell is based on a battery-electric drive system with NMC 3 high-performance batteries, while the fuel cell with an output of 60 kW serves as a hydrogen generator to extend the range. This combination enables particularly economical operation because electricity from the grid is available at a lower price than green hydrogen, and the sophisticated electronic control system regulates the mix of battery power and fuel cell operation in the best possible way. In contrast to a fully fledged hydrogen vehicle with a small buffer battery, the eCitaro fuel cell is also significantly better at completely and usefully storing the energy recovered during braking by recuperation in the large batteries.

Last but not least, the vast battery capacity of at maximum 392 kWh in the articulated bus also enables high levels of drive output to be used over longer distances – for example on inclines in mountainous terrain – without the fuel cell having to operate in the top, inefficient power range.

DAIMLER TRUCK

Daimler Buses

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VDL Bus & Coach

New generation Citea

We have developed an innovative concept with an 'inside-out' approach: creating a vehicle with maximum freedom, without concessions. Excellent vehicle specs such as low energy consumption & optimum deployment, high passenger capacity and optimal comfort for driver & passengers, were key focus points. The result is a completely new platform that sets the new standard for zero emission buses: the new generation Citea.

This all-electric bus has batteries housed in the floor, realising an optimal axle load distribution and designing an optimal interior layout. The single-piece composite sidewalls not only realise weight reduction, but also form the actual body together with the module. The greatly improved insulation value, combined with double glazing, contributes to efficient and effective vehicle climate control. Extensive research towards the optimal level of climate comfort for driver & passengers resulted in a climate strategy that ensures an optimal balance between comfort and energy consumption. And this significant reduction in energy consumption in turn improves the vehicle's range. And there's more. Discover the new generation Citea: Zero Compromise.



BUS & COACH

Alex de Jong

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BlueBus

6-METER BLUEBUS 100% ELECTRIC

Bluebus is a French manufacturer of urban and suburban electric buses. Based on a 10-year experience, Bluebus has completely redesigned its 6-meter minibus: more urban, user-friendly, and compact.

The 6-meter Bluebus is a technological innovation for people and the environment. With no air pollutant emissions, the 100% electric bus can circulate in low emission zones.

It is the ideal city center partner with its compact dimensions and strong maneuverability. Its high torque and speed of 70 km/h allow it to move easily on all urban roads.

The large floor area of the bus, combined with a total weight of 8.3 tons, allows it to accommodate up to 35 passengers. This platform is also adapted to people with reduced mobility.

With a total on-board energy of 126 kWh (three solid-state batteries of 42 kWh), the 6-meter Bluebus has also set a record range of more than 280 km (UTAC E-Sort 3 certification).

Come and discover our 6-meter Bluebus designed to meet the needs of cities and users!

The bluebus logo features the word 'bluebus' in a lowercase, blue, sans-serif font. The 'b' is significantly larger and more prominent than the other letters.

Sandrine Pillault

Communications Officer

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SCANIA CV AB

Biogas Solutions

Biogas is a true example of a circular approach. By using local waste, a sustainable fuel – biomethane or biogas – is produced, but also valuable by-products like biofertilizer and CO₂. The biogas replaces fossil fuels like diesel and natural gas for buses and trucks, the bio-fertilizer replaces fossil fertilizer in agriculture, and the captured CO₂ goes into food production or industry for cooling or welding.

All these products contribute to replacing fossil ones. Furthermore, when organic waste is redirected from landfills, the big leakage of CO₂ and methane to the atmosphere from landfills is avoided. This is why a biogas system solution often has over 100% CO₂ reduction – making it by far the most sustainable fuel alternative today.

On top of this, new jobs and local energy security are created, and the big problem of waste and landfilling solved. Waste becomes a resource instead of a problem. The technology - from biogas production, refueling infrastructure to buses and trucks, is well proven and economically viable.

Listening to how Scania and partners can support you in the transition to a sustainable and circular future.

Ebusco

Ebusco 3.0

Ebusco's new bus smashes the barriers of current bus design in the drive for sustainable public transport. Not only by using composite materials in the body's main structure, but also in its approach to focus the design on passenger comfort, operator support, and Total Cost of Ownership. Ebusco has been able to take the low floor design to the highest level. By opting for two smaller electric motors close to the wheels, there is plenty of room for the drive train. This also allows for more room for passengers around the rear axle, but better yet, a completely flat floor from the driver to the rear seat. The lightweight body allows for the rear axle to have single wheels instead of the usual double wheels. This leads to lower rolling resistance and more room for passengers. Furthermore, the freedom of form of composite has made it possible to make the bus slightly rounded, giving it its spacious design.



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