



9-12 JUNE

STOCKHOLM 2019

GLOBAL PUBLIC
TRANSPORT SUMMIT

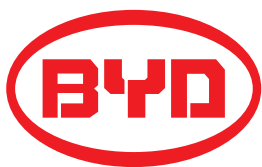
LATEST TECHNOLOGY AND DESIGN FOR ZERO EMISSION CITY BUSES

INNOVATION GUIDED TOURS

Monday 10 June, 14:00 - 15:00

With the developments in alternative propulsions, the bus sector is at the forefront of technological innovation for a cleaner mobility, matching industry trends and the wider social evolution. During this tour, participants will visit

leading bus manufacturers' solutions that seek to answer cities' needs for higher energy efficiency, reduced emissions and enhanced travel experience.



Volvo Buses

SAFRA

Businova Fuel Cell

The Businova is an electric bus designed around two major innovations: an extremely attractive design and an architecture that allows this vehicle to easily adapt to all types of motorizations. The range offered today ranges from a very low emission version with its electric hybrid plug-in system, to several zero emission versions such as the pure electric or the hydrogen version.

The Businova Fuel cell is based on the original architecture, developed by SAFRA. Maintaining the entire vehicle architecture, SAFRA had incorporated a hydrogen system into the initial 250 kW drive chain, powered by a 132 kWh lithium-ion battery pack. The 30 kW Michelin fuel cell can store 28kg of hydrogen at 350 bars, allowing the vehicle to run for 300km before it needs to stop and recharge. This design intentionally kept new features to a minimum, choosing to preserve a large passenger capacity and maintain the innovative and attractive Businova design.



MANUFACTURER

ELECTRIC BUS
FUEL CELL BUS
HYBRID PLUG-IN BUS

Vincent Lemaire
CEO

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Scania

We are taking urban transport to the next level!

Don't miss out on the opportunity to meet a unique and completely new concept for city transport from Scania.



SCANIA

Robert Sjödin

Project manager

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MAN

MAN Lion's City E

The MAN Lion's City E is a pioneer in electromobility with its new innovative vehicle concept, simplifying the customer's business. It's the perfect bus for adding to the quality of life in a city.

Fully electric. Zero emissions. You can take advantage of the innovative drive technology and the multitude of new features our latest Lion's City generation has to offer. Get ahead with innovative technology for an extended range, impressive efficiency, modern design and redefined driving comfort.

With our comprehensive approach of flexible and reliable depot charging applications, long-life batteries and upgradeable battery architecture, the new MAN Lion's City E offers an ecologically and economically valuable holistic concept that greatly simplifies entry into the world of e-mobility.



Florian Rott

Head of Product Information &
Launch Management

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DAIMLER

eCitaro

The eCitaro is the first fully electric city bus of Mercedes-Benz. It not only extends the portfolio of the world bestseller Citaro with a production-ready fully electric city bus, the eCitaro also raises e-mobility to a whole new level.

With its intelligent synergy of innovative battery and charging technology, with its linkage of IT and communication systems and, last but not least, with its futuristic design, it has become the new standard for electric city buses and it is already today ready for the city of tomorrow



Nicole Jung

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VOLVO

Volvo 7900 Electric Artic (171)

Designed to meet political objectives for noise and air pollution reduction, supporting desired public health and citizen security.

- Volvo 7900 Electric Artic ensures uptime and excellent energy economy with up 80% energy reduction compared to a diesel bus.
- Volvo charging system maximizes uptime due to fully automated charging with flexible charging options to increase utilization of bus.
- Superior capacity of up to 150 passengers.
- Silent and emission free traffic allow routes to go across instead of around in sensitive areas, and bus stops where citizens want them (e.g. indoors).
- Volvo Safety Zone Management prevents exceeding speed limits.
- Pedestrian & Cyclist Detection System.
- Volvo Dynamic Steering (VDS) ensures that the driver will experience smooth and safe driving, reducing the risk of wear related injuries.
- Lowers noise inside and outside the bus.
- The air condition has a capacity of 31kW with separate climate zones for passengers and driver.
- Volvo Turn-Key solution Ensures uptime and minimizes operational cost and financial risk. Capacity need is offered at an agreed cost per kilometer. Carefree and convenient.



Volvo Buses

Marie Carlsson

Director, eMobility

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Solaris

Solaris Urbino hydrogen bus

Solaris takes one step further in developing e-mobility solutions and releases a completely new product – Solaris Urbino 12 hydrogen, which will have its premiere during the UITP Summit in Stockholm.

The manufacturer has applied the latest technological achievements on the market as regards components for hydrogen storage and power generation. This solution gives a chance to all the operator to choose of one more electromobility and zero emission solution, additional to earlier developed trolleybuses and battery buses. It fill the gap for longer lines which couldn't benefit from battery buses due to range limitation of current electric buses – the hydrogen Solaris offers the same range as diesel buses but with zero emission mode.



Mateusz Figaszewski

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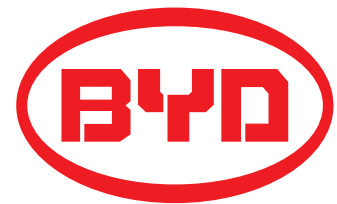
BYD

BYD eBus 12m

The 12m ebus is the most popular ebus in our range. With thousands of its kind on roads worldwide, the bus has proven to be safe and reliable. The heart of the electric bus is the battery. BYD started as a battery company and has independently developed all the main core components of the electric bus.

Through the brand new modular manufacturing concept the structural design of the 12m ebus on show is structurally optimized and the R&D time is shortened. It also greatly reduces the time for manufacture and installation and reduces the types of components required, thus simplifying the repair and maintenance time. By using top quality European suppliers on a large scale during the modular manufacturing process, the product quality has been further improved.

The BYD batteries already have some of the highest available energy power densities and are now equipped with BYD's industry-leading Battery Thermal Management System which has an excellent heat interchange effect. This can effectively reduce battery degradation thus helping to extend battery life as well as contributing to a significantly increased bus driving range.



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