

## **Transdev Zero Emission “Living Lab” meets in Amsterdam for fourth edition: from battery to hydrogen-powered electric buses**

Amsterdam (The Netherlands) – June 6, 2019 – Transdev, Europe’s leading operator of zero-emission electric buses, is gathering over 110 representatives from 14 countries<sup>1</sup> for the fourth edition of its Zero Emission “Living Lab”. The 2-day conference will discuss and advance the ZE electric public transport field, with recent developments and advances in the field of hydrogen buses.

Transdev is holding the fourth edition of its Zero Emission “Living Lab” on June 6-7, 2019 in Amsterdam after meeting in Nice (France) in 2015, Eindhoven (The Netherlands) in 2016 and Enghien-les-Bains (France) in 2017. The Amsterdam location comes as no surprise as that is where Europe’s largest Zero Emission (ZE) electric bus fleet, operated by Transdev, is in operation since April 2018. With a fleet of 100 electric buses, which will increase to more than 260, the Amsterdam network is pioneering electric buses in Europe. Since operations began, Transdev has already covered more than 20 million km using 100% zero emission electric buses.

At its core, the Transdev Zero Emission “Living Lab” – which gathers representatives from Transdev, transit authorities, governmental organizations and academics – is about providing information about the issues at stake, overviews of the solutions available in a time where technology is changing rapidly, open-source methods and a vision for the future, all of which enable its members to act wisely when making long-term investment decisions. That’s our vision for the Living Lab partnership: sharing, informing and facilitating.

The switchover towards ZE solutions for Transdev and for our sector is a key concern, since the transportation industry accounts for some 22% of global energy-related CO<sub>2</sub> emissions worldwide. The objective of developing and deploying ZE solutions comes as a societal commitment from Transdev to improve the air quality in our cities, reduce noise pollution and increase driving comfort for both passengers and drivers alike.

*“The energy transition for Transdev is not an option, it’s a commitment. It’s a commitment to rapidly convert our Group’s vehicle fleet to a growing share of low-emission and zero emission vehicles. Reducing economic and energy dependence on fossil fuels is a priority for Transdev and for Europe to ensure a real transformation of our economic model towards ever cleaner green mobility. At Transdev, we are already well-advanced on this path and we will continue pushing in this direction,”* stated Thierry Mallet, Chairman and CEO of Transdev Group.

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<sup>1</sup> Australia, Canada, Chile, Colombia, Egypt, France, Germany, Morocco, The Netherlands, Portugal, Spain, Sweden, the UAE and the USA.

*“Since the launch of the Amstelland–Meerlanden electric bus network with 100 electric busses in April 2018, Transdev-Connexion has shown that a collective public-private effort contributes to the implementation of this carbon-free transportation solution. Despite many challenges – technological, industrial, operational and economical – this innovative network is a success and will continue to grow over the coming years”,* stated Sharon Dijksma, Deputy Mayor for Traffic and Transport, Water, and Air Quality of the City of Amsterdam.

Beyond pure battery-powered buses, Transdev has decided to actively explore the hydrogen, fuel-cell electric buses with projects both in the Netherlands and in France. This technology has real promise for the future. Fuel cells provide an onboard means of generating the electricity needed to power the electric motor. They run on hydrogen, which, when combined with the oxygen in the air, produces the electricity needed to provide traction. Water and steam are the only by-products... The result is zero pollution in the surrounding environment and a range of more than 350 km with an embedded solution.

In the Netherlands, Transdev has two projects: the HWGO project with 4 hydrogen buses in operation, and another project in Eindhoven with two buses planned. In France, Transdev has three hydrogen projects: the first in Lens on our TADAO network where we will soon unveil a complete BRT line using six hydrogen-powered electric buses. The second hydrogen project will be in Auxerre and the third at the Toulouse airport.

As of end 2018, Transdev was already operating over 600 electric buses and minibuses at 30 sites in 7 countries while we expect to reach 700 at the end of this year. Furthermore, with operational commitments made as part of ongoing contracts and calls for tenders, Transdev expects to operate over 1,500 electric buses by 2024.

**About Transdev:**

As an operator and global integrator of mobility, Transdev – The mobility company – gives people the freedom to move whenever and however they choose. We are proud to provide 11 million passenger trips everyday thanks to efficient, easy to use and environmentally-friendly transportation services that connect people and communities. Our approach is rooted in long-term partnerships with businesses and public authorities, and in the relentless pursuit of the safest and most innovative mobility solutions. We are a team of people serving people, and mobility is what we do. Transdev is jointly held by Caisse des Dépôts Group (66%) and the RETHMANN Group (34%). In 2018, with 82,000 employees in 20 countries, the Group generated total revenues of 6.9 billion euros. For more information: [www.transdev.com](http://www.transdev.com) or download the MY Transdev mobile phone app from the App Store or Google Play:

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