

COMPONENTS ON LINE

For a comprehensive list of Suppliers of bus components in Italy and in Europe visit:
www.bustocoach.com/en



To search for individual company profiles visit:

<https://bustocoach.com/en/italy-providers/>

<https://bustocoach.com/en/europe-providers/>



Select products by category and read available components details:

<https://bustocoach.com/en/italy-components/>

<https://bustocoach.com/en/europe-components/>

ALLISON

A new step has been made in the electric bus offer of Allison Transmission. This is the ABE series, the first advanced ultra low-floor electric bus powertrain system. Presented last April at the Advanced Clean Technology Expo in California, the new range of electric axles integrates dual electric motors, a single- or multi-speed gearbox (depending on the model of electric axle), oil coolers, pumps and power electronics into a bolt-in system that replaces the entire traditional powertrain within the existing frame. With a dual motor, it has a continuous axle output power of 536 hp (400 kW) and a maximum output power of 738 hp (550 kW). A single-speed electronic axle option is also available.

Thanks to the compact design, the ABE series fits existing bus frames and suspensions, creating more space for battery packs and other critical electric vehicle components. The standard system is 70 cm but it has also an optional 1 meter configuration. This makes the system applicable to 12-meter low-floor city and double-decker buses, to 18-meter articulated buses and three-door buses.

Meanwhile, Allison Transmission announced the acquisition of Vantage Power and the AxleTech's electric vehicle (EV) systems division. The first is a London-based company specialized in the development of electric propulsion technologies and connected vehicles for medium- and heavy-duty vehicle manufacturers and their suppliers. AxleTech designs, manufactures and sells axles and integrated electrified axle solutions for on- and off-road heavy-duty commercial vehicles.



TELESTE

IN 2018, Teleste built a smart bus stop at the Nokia Campus in Espoo, Finland. The innovative bus stop, which is part of the LuxTurrim5G ecosystem, has been designed to improve safety and security of public places through Teleste's Connected Zone concept, which was launched last year. After the success of the pilot project, two



additional bus stops have been added to the ecosystem.

The project also anticipates the testing of an autonomous bus route, scheduled for this summer, as part of the LuxTurrim5G test network.

The latter is an ecosystem project

led by Nokia Bell Labs which is developing and demonstrating a fast 5G network based on smart streetlight poles with integrated antennas, base stations, sensors, screens and other devices.

This joint project opens new digitale services and business opportunities for a real smart city. At UITP 2019 (Stockholm, 9-12 June), the operation of the innovative bus stop will be displayed at the stand of Teleste (stand A5100).

AKASOL

The battery manufacturer Akasol presented new solutions at the Battery Show Europe 2019 (Stuttgart, 7-9 May). The flagship product is the AKA System AKM CYC, a high-energy battery solution for long-range applications. This solution enables fully electric city buses to be equipped with battery system



capacities between 600 and 1,000 kWh. The battery can be fast charged up to a maximum power of 500 kW and is available in two standard versions. Serial production is scheduled for 2021. Akasol will also introduce the 2nd generation of the AKA System OEM PRC, which powers the Mercedes eCitaro with an installed capacity up to 294 kWh. It will offer over 33% more energy and will achieve approximately 400 kWh installed capacity in the same installation space. It is now in the test and validation phase and it will be available at the end of 2019, while serial production for two major commercial vehicle customers will start in the middle of 2020.

The AKARack series (48V) for hybrid and electric vehicle applications is in the final stages of series development. It is a small 19-inch battery system that can be used for various applications. It is supplied with 6.5 kWh energy and has a powerful thermal management supported by the liquid cooling architecture. It will be available from the middle of 2020.