



PRESS RELEASE

Solaris wins biggest contract in Europe for supply of 130 articulated electric buses to Warsaw!

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City transport operator Miejskie Zakłady Autobusowe w Warszawie (MZA) acquired 130 electric buses for nearly PLN 400 million. This biggest yet commission for zero-emission buses in Europe was won by Solaris. The articulated Urbino 18 electric will be delivered to the capital of Poland in 2020.

The gigantic order for 130 articulated electric buses is the biggest ever tender of its kind in Europe. The electric buses of Solaris have been ordered so far by 60 cities in 17 countries, and have already traversed over 14 million kilometres since 2011. Pursuant to the contract signed today, the company is to carry out the order in 2020.

- Solaris takes huge pride in winning such a large tender for the delivery of electric buses. We have been consistently pursuing our strategy, grounded in the development of zero-emission vehicles, for many years now. Thanks to the huge order of MZA we are able to solidify our position as European leader of electromobility. However, what makes us glad above all else is that our company, which pays great attention to the development of sustainable transport, contributes to the improvement of the life comfort of the residents of Warsaw - asserted Javier Calleja, CEO of Solaris Bus & Coach S.A.

- Our project to purchase 130 electric articulated buses, supported by European funds, is one of the largest e-mobility investments in Europe. We are glad that we are one of the leaders in the implementation of environmentally friendly solutions for transport, according to our plans, in two years' time, we will have a fleet of nearly 400 zero and low-emission buses. MZA ecological buses are a sign of hope for clean air in the capital - said Jan Kuźmiński, CEO of Miejskie Zakłady Autobusowe Sp. z o.o.

The 130 articulated electric Urbinos for MZA will be fitted with Solaris High Power batteries with a capacity of 150 kWh, and for which the producer grants a seven-year warranty, as per requirement of the awarding authority. The electric power in those batteries will be recharged by means of depot charging stations of the plug-in type and by means of pantographs. The bus will feature two charging sockets: one above the right wheel arch and the other placed behind the last door, whereas the pantograph will be mounted on the roof. Boasting over 400 kW of power, the fast-charging stations will be deployed in various corners of the city. The setup of the infrastructure is the object of a separate call for tender.

The drive unit of the electric articulated buses for Warsaw will consist of an axle with two electric engines of 110 kW each. Even though electric buses are already much cheaper to operate than diesel ones, the vehicles for operator MZA are getting also a voltage converter for the traction motor, produced in SiC technology, which will help to additionally reduce energy consumption.

The interior and furnishing of the bus is well-known to MZA passengers and complies with the binding standards of the public transport authority ZTM. The driver's cabin will be completely shut off; the bus will be air-conditioned and will feature a comprehensive passenger information system. Furthermore, three double USB charging ports will be available to passengers, allowing for the recharging of mobile

devices during the bus ride.

Apart from all the technical novelties, the prime feature of the electric buses is that they do not release any exhaust emissions in the place of service, and that they are low noise, which contributes considerably to the improvement of life quality in the city.

So far Solaris has delivered over 1000 city buses to Warsaw, including 20 electric ones. Electric buses can be seen in use daily, operating bus line 222. Designed and produced by Solaris, the Urbino 12 electric was named best city bus in Europe in 2017. Together with CAF Group, which is the owner of the Polish firm since September 2018, Solaris is a European leader in electromobility and solutions for public transport.

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About our company

Solaris Bus & Coach sp. z o.o. is one of the leading European bus and trolleybus manufacturers. Benefiting from nearly 25 years of experience and having manufactured over 20,000 vehicles, Solaris affects the quality of city transport in hundreds of cities across Europe every day. Thinking of the future, the firm is setting new standards by dynamically developing its products, in particular in the electromobility sector. Solaris electric buses, trolleybuses and hydrogen buses are cutting-edge solutions for zero emission public transport. Solaris products have been repeatedly awarded for quality and innovation. The Solaris Urbino 12 electric won the prestigious European "Bus of the Year 2017" competition. In September 2018 Solaris Bus & Coach sp. z o.o. joined CAF Group.