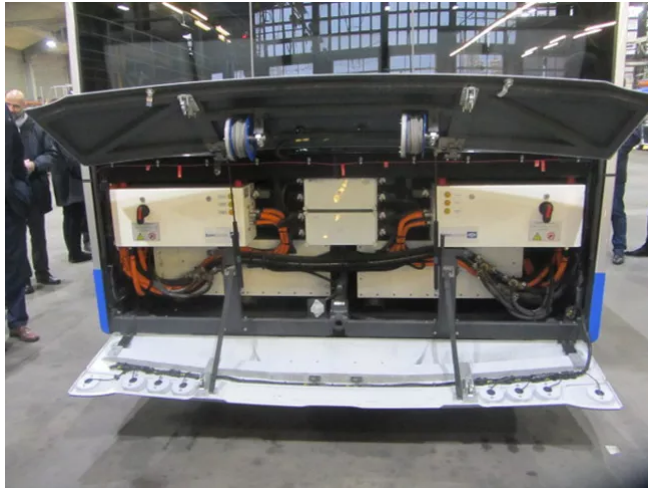


# Solingen presents its IMC 500 e.trolleybus

26/11/2018 by Michel Chlastacz

A good moment. It was on the eve of the 21 November 22nd, 2018, international conference "e.bus" in Solingen that the German city that manages the largest trolleybus network in the country presented its BOB project ( *Batterie Oberleitung Bus* , battery trolleybus). An investment of € 15 million supported by the German Federal State as part of its NOW program for electric mobility.



On the rolling stock side, it is made up of 16 Trollino Solaris 18.75 articulated trolleybuses, whose diesel auxiliary engine is replaced by a Kiepe Electric battery pack installed behind the box. They have a power of 60 kW \*, for a weight of 1.2 tonnes, less than 5% of the total mass of the vehicle. They offer a range of 20 km that varies depending on the topography of the course.

The first "100% electric" trolley delivered in January 2018 and tested for six months will serve as of 2019 a pilot line that combines a central section equipped with air feed and two end sections where the trolleybus will run on batteries with recharging stations. stations.

Beyond the equipment, the BOB project aims to strengthen the power supply of the "two-wire" sections and to set up a centralized computerized system for managing traffic and energy supply.

\* Trollino 18.75 "pole" power is 160 kW.

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