



## PRESS RELEASE

### Cracow tests Solaris Tramino

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**For the next three months, Cracow City Transport (MPK) will be testing a low-floor Solaris tram. The citizens of Cracow and travellers of line 1 from Nowa Huta to the city centre will have the chance to appreciate its advantages.**

The Tramino presented in Cracow is almost 32 metres long. The fully low-floor, multiarticulated vehicle consists of five body sections. The step-free interior makes the tram passenger-friendly, especially for disabled people. The lighting in the air-conditioned passenger compartment is provided with modern and green LED technology. Exceptional design is a distinguishing feature of the Tramino from the outside as well as the inside. The test tram in Cracow is painted in red and pearl colours.

From a technical point of view, the most innovative solution the Tramino offers is that energy recovered during braking can be stored in supercapacitors. During acceleration, energy is sourced from the supercapacitors to reduce consumption from the overhead network. In this way, energy use can be reduced by between 20% and 30% when compared to other trams on market. It is the first vehicle in Poland with this technology. After adequate adjustment, the supercapacitor systems may be also used to ensure the autonomous ride of the tram.

"We follow all the new solutions available on the tram market with great attention. Hence our interest in the Solaris tram, equipped with the innovative energy storage system. It is worth mentioning that above all else, Nowa Huta residents will benefit from the test. The low-floor Tramino will run on route 1, leading from Wzg7rza Krzesławickie to Salwator in the city centre," said Rafał Świerczyński, CEO of Cracow City Transport.

"We are glad that MPK's board is open to new technical developments on the rolling stock market and expressed an interest in testing the modern technology of Solaris trams. We do hope that the Tramino will receive good credentials among Cracow passengers. The experience obtained during these test runs will provide our Research and Development Department with extremely valuable material. That knowledge will be crucial, especially since Cracow intends to invest into new rolling stock and to develop its tram system in the nearest future. Without any doubt Solaris intends to start in the forthcoming tenders," said Zbigniew Palenica, Member of the Solaris Bus & Coach Board for Rolling Stock.

Low-floor Solaris city buses Urbino are already well known to the passengers of public transport in Cracow. From the 23<sup>rd</sup> of February, they will have the additional opportunity to discover the comfort of the journey with the Tramino.

#### Technical specifications of Solaris Tramino tested in Cracow

##### Mechanical part

Length	31 960 mm
Width	2 350 mm
Height	3 575 mm
Floor height above bogies	480 mm
Floor height	350 mm

Entrance height	350 mm
Low-floor quota	100%
Emergency coupler (manufacturer, type)	Dellner, Albert
Doors (manufacturer, number)	Ultimate, 6
Clear width of doors	2 x 750 mm + 4 x 1300 mm
Seat width	420 mm
Passenger capacity	204 (61 seated)

### **Bogies**

Track gauge	1435 mm
Minimum curve radius	18 m
Axle arrangement	Bo'2'Bo'
Axis-centre distance	1800 mm
Wheel diameter (new/used)	600/540 mm
Wheel width	95 mm
Brake discs motor bogie (number)	2
Brake discs trailer bogie (number)	4
Resilient wheels (manufacturer, type)	GHH, V 60
Flange oilers (manufacturer)	Rebs

### **Electric system**

Traction voltage	600 V DC
Asynchronous motors (manufacturer, number)	VEM, 4
Type	DKCBZ 0211-4JA
Continuous power per motor	105 kW

### **About Solaris Bus & Coach**

*Solaris Bus & Coach is a major European producer of city, intercity and special-purpose buses as well as low-floor trams. Since the start of production in 1996, over 12 000 vehicles have already left the factory in Bolechowo near Poznań. They are running in 29 countries. Despite its young age, Solaris has become one of the trendsetting companies in its industry. For many years it has been the indisputable leader among the suppliers of city buses in Poland as well as one of the largest suppliers of city buses in Germany*

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#### **About our company**

Solaris Bus & Coach sp. z o.o. is a leading producer of city and intercity buses in Europe. It focuses on the development of low-emission and zero-emission vehicles, i. e. electric and hydrogen buses as well as trolleybuses. Over 25,000 Solaris vehicles have been delivered so far and they ply the streets in 850 towns and cities across 33 countries located throughout Europe as well as beyond it. Solaris is part of the Spanish CAF Group (Construcciones y Auxiliar de Ferrocarriles) S.A. From conception, to the design and manufacturing phases, all Solaris buses are produced in Poland. All activities undertaken by the company are in line with its mission, which is reflected in the brand's promise: to change the image of public transport. Solaris also actively partners with public transport operators and provides them with comprehensive support in their transition to zero-emission mobility. Solaris products have been repeatedly awarded for quality and innovation. The Urbino 18 hydrogen bus has won the prestigious 'Bus of the Year 2025' title.