



PRESS RELEASE

First Solaris Tramino for Poznań delivered

Bolechowo, 23.05.2011

Solaris has delivered the first volume-production Tramino low-floor tram. Poznań City Transport will receive 45 five-section articulated vehicles with conventional wheel-set bogies. They offer room for 229 passengers and are designed for rapid boarding and unobstructed passenger flows. Production of Solaris Tramino trams is based at two sites in the Greater Poznań region.

On 23 May 2011, Solaris handed over the first of 45 Tramino low-floor trams for Poznań City Transport in a ceremony attended by local political representatives. It is the first volume-production Tramino. An earlier prototype had been extensively tested since 2009.

Poznań City Transport ordered 40 Solaris Tramino in November 2009, with options for an additional 20 vehicles. Of these, an option for five vehicles has since been converted into a firm order. All Tramino will be delivered in time for the 2012 European Football Championships, of which Poznań is a host city. With its new Solaris trams, Poznań's public transport will meet and surpass highest expectations of international visitors.

"Passengers in Poznań travelling on the Solaris Tramino will enjoy one of Europe's most modern low-floor trams," said Solaris founder Krzysztof Olszewski at the handover ceremony.

The Solaris Tramino is a 100% low-floor articulated tram with conventional wheel-set bogies, available in different lengths and specifications. Poznań City Transport chose uni-directional vehicles which are 32 metres long and 2.4 metres wide. Poznań's vehicles have five body sections. Three sections are running on bogies, two of which are powered, with the remaining two sections suspended in between. Floor height is at 350 mm above top of rail, rising to 480 mm at the bogies. There are no steps within the passenger saloon.

The air-conditioned Tramino for Poznań carry 229 passengers, 48 of them seated. Additionally, five tip-up seats are provided. Side-mounted seats on flexible rails allow the seating layout to be modified quickly in case of changing operational requirements. To facilitate rapid passenger flows, exterior doors are wider than usual, including four 1,500 mm double-leaf doors. Minimum aisle width inside the vehicle is a spacious 750 mm. A multi-purpose area opposite the first double doors is available for passengers with pushchairs and wheelchair users.

Passengers may buy tickets at two ticket machines within the vehicle. Internal information screens show next stops as well as route information, while outside destination displays have been designed to offer good legibility from greater distances. In a Poznań tradition, route numbers are shown on separate, round displays on the Tramino's roof.

The ergonomic cab is fitted with two touch-responsive screens, showing context-specific, relevant functions to drivers. With separate, protected access levels, they are also used by maintenance staff to facilitate vehicle diagnostics and parameter setting.

Solaris Tramino are built at two sites in the Greater Poznań region. Steel bodyframes are produced in Środa Wielkopolska, where a workforce of 120, working in two shifts, completes the bodysells

for one Tramino per week. Final assembly and start-up are undertaken at a 5,600 m² factory in Poznań, where 250 staff are employed.

Technical Specifications of Solaris Tramino for Poznań City Transport	
Overall length (couplers folded away)	32 000 mm
Maximum width	2 400 mm
Maximum interior width	2 195 mm
Overall height (lowered pantograph)	3 760 mm
Track gauge	1 435 mm
Axle base in bogies	1 800 mm
Wheel diameter (new / used)	620 / 540 mm
Minimum curve radius	18 m
Floor height above top of rail overall above bogies	350 mm 480 mm
Aisle width passage between body sections above bogies	1 320 mm 750 mm
Number of seats (+ tip-up seats)	48 (+5)
Number of standees (0.2 m ² /passenger)	181
Total passenger capacity	229
Vehicle weight without passengers	~39,5 t
Vehicle weight fully loaded (0.2 m ² /passenger)	~56 t
Design maximum speed	80 km/h
Maximum speed	70 km/h

Photo: K. Lesińska - MPK Poznań, Solaris Bus & Coach S.A.

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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.