



PRESS RELEASE

Michał Pięka explains how the Solaris Urbino 12 hydrogen is powered [VIDEO 4/4]

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From 9 to 12 June Stockholm will be the host to the Global Public Transport Summit organised every two years by UITP (French L'Union internationale des transports publics). At the summit the completely emission-free Solaris Urbino 12 hydrogen celebrates its world première.

The energy needed to propel the bus is derived from hydrogen stored in bus roof-mounted tanks. By means of a fuel cell, the hydrogen gas is turned into electricity. In turn, that power is feeding directly the bus driveline which consists of an axle with electric engines. The bus is also fitted with a Solaris High Power battery which acts as an additional electric power storage facility. The sole "by-product" generated during the operation of the Solaris Urbino 12 hydrogen is heat and steam.

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Additional information

Mateusz Figaszewski

Institutional Partnerships and External Relations Director
Tel.: +48 61 66 72 347
Mobile: +48 601 652 179
Fax: 48 61 66 72 345
email: mateusz.figaszewski@solarisbus.com

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.