



Miskolc puts a new multimodal hub into action, making transfers easier from bus to bike and beyond

Press release

As part of the EU-funded metaCCAZE project, Miskolc, one of the biggest cities in Eastern Hungary, has launched an innovative multimodal passenger hub at Tapolca elágazás (Tapolca junction). The location is a key gateway between the city centre and the popular Miskolctapolca area, renowned for its unique cave bath and strong tourism appeal. With high passenger volumes and a strategic position, the junction offers a powerful opportunity to make switching between transport modes simpler for residents and visitors alike.

The launch of the multimodal hub at Tapolca junction comes at a critical moment for Miskolc, as cities across Europe accelerate efforts to reduce congestion, cut emissions and make everyday mobility more user-friendly. In Miskolc, rising tourism flows to the Miskolctapolca area, combined with high commuter traffic at this key junction, have highlighted the need for smoother, more efficient transfers between transport modes. At the same time, the rapid emergence of micromobility solutions and digital mobility services creates a unique opportunity to redesign how people move through the city.

From “changing vehicles” to “smooth, supported transfers”

Unlike traditional hubs that operate as separate systems, the multimodal hub in Miskolc is designed to support seamless transfers between public transport and micromobility, helping passengers complete first and last mile connections with less friction. The hub combines physical and digital elements to make multimodal travel more practical and attractive. It features bike racks and urban furniture, USB charging options and a solar-powered setup, internet hotspot, and digital



passenger information display that also provides environmental information (temperature, air quality, humidity, air pressure, UV).

Together, these elements aim to improve the everyday transfer experience and encourage more trips to shift from private cars to sustainable modes such as bus, tram, bike and e-scooter.

The hub is developed through a joint effort, with MVK, the transport operator in Miskolc responsible for the bus and tram infrastructure, HC Linear, the service provider, leading the integration, testing and operation of digital systems, and the Budapest University of Technology and Economics (BME) supporting the planning process and proposing additional parameters.

According to János Juhász, the service and technical director of MVK transport operator in Miskolc: *“The main innovation of the hub is the transformation of this location into a multimodal hub through the integration of micromobility and digital services. This location was selected because of its high passenger volumes and strategic position, which creates strong potential for users to adopt micromobility for first- and last-mile connectivity.”*

“This hub will serve as a multimodal information point, providing users with essential information services. These services will not only guide commuters on transport options but offer updates on public transport information. Physical integration of various transport modes at the extended multimodal transport hub streamlines access, encouraging their use as a convenient solution.” says Domokos Esztergár-Kiss, senior research fellow at Budapest University of Technology and Economics (BME).

“The functionality of the mobility hub will be enhanced through the integration with the MobilON journey planner. The data provision from public transport timetables, the activity chain optimization method, and the deployment of environmental data monitoring creates a unique digital infrastructure that connects the visual information system with specific data sources. The developments carried out within the current project support the transformation of transport into Mobility as a Service (MaaS)” – stated Tamás Móricz, the commercial director of HC Linear Ltd.



A visible signal of change: the Kuube smart bench

One of the first visible elements of the development is a Kuube branded smart bench, designed to make public space more useful and connected. The bench provides free Wi-Fi and wireless and

USB-C fast charging for mobile devices. An integrated display provides real time information on environmental factors, including temperature, air quality, humidity, air pressure and UV levels. Solar panels power the system, and after dark, mood lighting supports both safety and the overall look and feel of the area.

Next steps

The longer-term goal is to fully integrate micromobility options, such as e-scooters and bicycles, into Miskolc's mobility network. The hub will be further strengthened with vehicle storage facilities, supporting its role as a complete transfer point connecting modes and improving the traveller experience.

More about metaCCAZE Follower City, Miskolc

Miskolc, the fourth biggest city in Hungary, is actively working to enhance its urban transport system with a strong focus on sustainability. As part of the metaCCAZE project, Miskolc public transport company MVK, HC Linear Ltd and Budapest University of Technology and Economics (BME) are integrating multimodal transport solutions to improve connectivity and reduce environmental impact. Miskolc is developing key infrastructure, such as a multimodal information point, to provide citizens with real-time transport updates and promote the use of eco-friendly transport options. Learn more [here](#).

More about metaCCAZE

The metaCCAZE project, co-funded by the European Union, aims to revolutionise mobility in European cities, serving both passengers and freight, with innovative electric, automated, and connected solutions designed to make transport smarter, net zero, and more efficient for all. In the vibrant streets of four trailblazer cities – Amsterdam, Munich, Limassol, and Tampere – metaCCAZE tests and demonstrates cutting-edge technologies that support shared zero-emission mobility solutions for people and goods, contributing to climate neutrality. Successful technologies and activities are shared and implemented to six follower cities – Athens, Krakow, Gozo, Milan, Miskolc, and Poissy, Yvelines (Paris region).

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