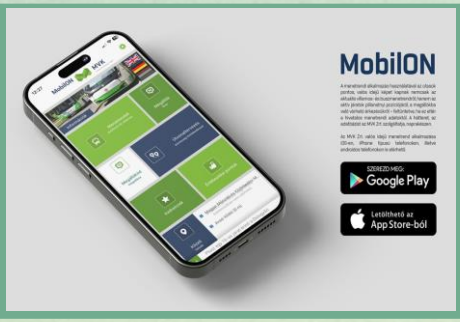
Miskolc - Hungary
Multimodal Journey Planner

Code: MK-UC02
Brief: Development a route planner including micromobility and public transport for optimised mobility solutions with extended parameters.



Key Urban Challenges Addressed:

- **Limited interoperability between transport modes** (bus, micromobility, car).
- **Separate planning tools for transport modes** (not possible to combine trips and compare options).
- **Limited functionality of trip planners** (missing information).

Goals & Anticipated Benefits:

- **Reduce private car use.**
- **Integrate micromobility with public transport.**
- **Combine various transport modes during planning.**
- **Expanding the functionalities of the journey planner.**
- **Increasing the number of users.**

Ownership:

- **MVK** is responsible for the bus and tram infrastructure.
- **HC Linear** integrates, tests, and operates digital systems.
- **BME** develops the multimodal journey planning algorithm with extended parameters.

Infrastructure:

- **Servers, data connections, IT back-end system.**
- **Public transport network and shared vehicles.**
- **Maps, route planner engine, and visualisation.**
- **Timetables and micromobility availability.**
- **Utility function calculation and user parameters.**

Location:

The application will be available in the administrative area of Miskolc and the operational area of MVK. By prioritising sustainability in travel planning, the pilot aligns with broader environmental goals and encourages a shift towards the usage of greener transport modes.

Timeline:

January 2026
Planning and design phase

March 2026
Algorithm implementation and user interface development

May 2026
Finetuning and testing

MVK
A Miskolc Csoport tagja

HC Linear
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MŰEGYETEM 1782

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