



DIGITAL PUBLIC TRANSPORT

## **Automated public transport: ioki to be technology partner of the research project MINGA in Munich**

**DB company ioki provides on-demand technology • Pilot operation of automated shuttles planned for 2025 • Deep integration of on-demand service in MaaS platform of the city of Munich**

*(Munich, 24th May 2023)* ioki GmbH, Deutsche Bahn's digital public transport company, will be the technology partner in the research project "Munich's automated public transport with ridepooling, solo bus and bus platoons", abbreviated as MINGA. Today, the consecutive partners presented the project to the public. The pilot operation of automated shuttles accompanied by a safety driver is planned from 2025.

ioki, as one of the leading providers of on-demand local transport solutions, intends to provide the booking and routing software for MINGA and to set up an on-demand-service with three to five automated vehicles. The DB company already has extensive experience in including autonomous vehicles in demand-responsive public transport offers on its own platform. In the MINGA project, ioki will be involved in three out of six work packages and plans to road-test highly automated vehicles in the urban and rural public transport system together with the partners.

### **Automated on-demand ridepooling in the metropolitan area of Munich**

As part of the project, passengers shall be able to handle the complete journey via the existing mobility-as-a-service (MaaS) platform of the city of Munich: journey planning, booking and payment. The ioki on-demand system in the background also sends information about the passengers' pick-up and destination to the self-driving system (SDS) of the automated vehicles, which adapt their routes to the passengers' wishes. Using the ioki algorithm, several journeys with similar target and/or pick-up location will be bundled in a vehicle (so-called ridepooling).

The project's goal is to improve individual mobility and, in particular, access to public transport by a demand-oriented mobility offering.

The research project MINGA will be funded by the Federal Ministry of Digital and Transport (BMDV) with around 13 million euros until the end of 2025 as part of the funding guideline "Autonomous and Connected Driving in Public Transport".

More about the research project on <https://muenchenunterwegs.de/angebote/minga>



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### **About Munich's automated public transport with ridepooling, solo bus and bus platoons (MINGA)**

In addition to the City of Munich with its Department of Construction and Mobility, the Stadtwerke München with the Münchner Verkehrsgesellschaft mbH, the Münchner Verkehrsverbund (MVV), the Technical University of Munich, the Institute for Construction Technology and Technical Design of the University of Stuttgart, the Institute for Information Processing Technology of the Karlsruhe Institute of Technology, the FZI Research Centre for Information Technology as well as the companies MAN Truck & Bus SE, ioki GmbH of Deutsche Bahn, Ebusco Deutschland GmbH, Benz + Walter GmbH and Fryce GmbH are partners in the MINGA project. The Pfennigparade Foundation, the Association of German Transport Companies (VDV), Yunex Traffic and the district of Munich are involved as associated partners.

### **About ioki**

With over 120 demand-responsive transport services, ioki is one of the leading platform providers for digital on-demand solutions in Europe and market leader in Germany,

Austria, Switzerland. Over 90 per cent of on-demand transport with ioki software complement public transport in suburban or rural regions. Companies, cities and municipalities have relied on our expertise since 2017 to optimise and digitise transport according to demand. These include flagship projects such as ioki Hamburg (now hvv hop) and the Europe-wide largest project for on-demand transport in the Rhine-Main area. As a pioneer for autonomous ridepooling, ioki has been setting milestones for digital and autonomous mobility since its founding – from Germany's first autonomous shuttle bus to the planned world's largest autonomous fleet on demand in public transport. More than 150 employees from more than 20 nations develop equitable and modern mobility solutions for sustainable, attractive local transport from the heart of Europe.

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