



The Cristal shuttle in MUNICH

Munich experiments with the Cristal : even greater comfort and environmental friendliness for Munich's public transport system.

As part of its European strategy for sustainable urban mobility, the city of Munich is experimenting with Lohr's Cristal electric shuttle system. Since September 16, 2025, three Cristal shuttles have been operating on part of line 167 in Hadern, as part of a project run in partnership with Munich's transport company (MVG - Münchner Verkehrsgesellschaft mbH). This project aims to demonstrate how the modularity and operational flexibility of Cristal shuttles can effectively meet the needs of residents, particularly in residential and suburban areas.

A project serving residents

The experimental routes, operated on line E167, connect several strategic stops in the neighborhood between Waldriedhof and Großhaderner Straße. At each terminus, the vehicles split up to serve different areas, then regroup for the return journey. This configuration offers greater flexibility and allows for a precise response to residents' needs.

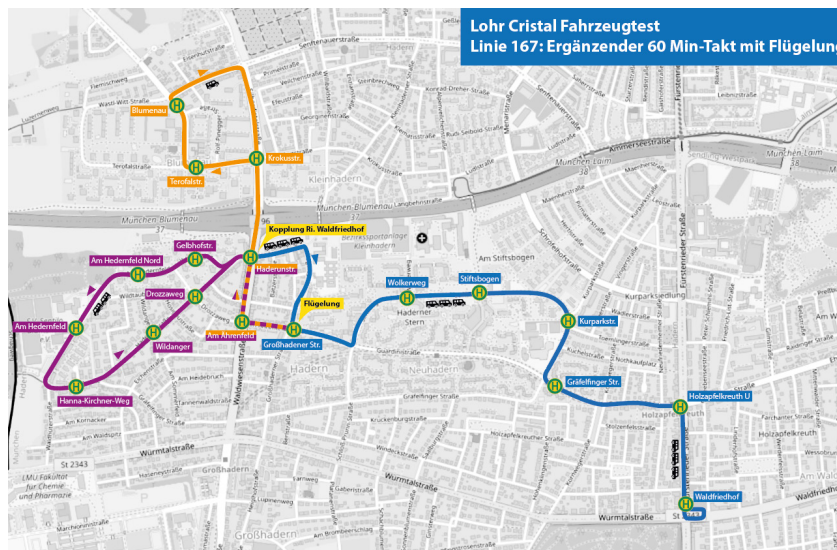
A step towards sustainable mobility

The Cristal provides a flexible and economical solution for less densely populated areas, which are often difficult to serve with traditional buses. Thanks to its modular design, several shuttles can run together or separate depending on demand, offering unprecedented frequency and responsiveness in public transport. The city seeks to combine technological innovation, respect for the environment, and improved user comfort. By trialing the Cristal, Munich is confirming its role as a pioneer in experimenting with new forms of urban mobility.





Three different routes are planned between the Waldfriedhof cemetery and Großhaderner Straße.
The stops will not be identified; simply raise your hand to signal the shuttle to stop.



Learn more : <https://www.mvg.de/news/kleinbusse.html>

Cristal: 100% electric and modular mobility solution

Cristal can carry up to 14 standing passengers and also has four folding seats. Manufactured in France, this shuttle is fully electric, silent, and designed for accessibility for people with reduced mobility. It has a range of 170 km, allowing you to drive all day without recharging.

Our shuttle bus has many advantages, one of the main ones being its ability to adjust in real time to passenger numbers on the route, thereby reducing operating and maintenance costs. This modularity is based on an automatic vehicle coupling system, which means that only one driver is needed and the size of the convoy can be adjusted according to the number of passengers. In single-vehicle mode, it can accommodate up to 14 people, while in three-vehicle convoy mode, it offers a capacity of 42 passengers. It stands out for its attractive, ultra-compact design, which allows it to access even the most confined spaces in the city, thus preserving the historic and tourist center as much as possible.

About the Lohr Group

LOHR is a privately-owned French group based in Alsace near Strasbourg. For over 60 years, it has been a global specialist in the design, manufacture, and marketing of goods and passenger transport systems, with 80% of its revenue coming from exports. With a global industrial presence comprising six factories across three continents and 2,000 employees, the Lohr Group continues to maintain its position as the world leader in car carrier vehicles, develop its piggyback transport business, and promote projects that support sustainable and safe mobility.

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