

Research content for the short video CarryMeHome\_Utopia 2025

**"IMAGINE a FUTURE...**

**with healthier & greener mobility"**

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**CarryMeHome: New inventions enable light, efficient and autonomous transport of goods for walkable cities.**

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**CarryMeHome – Transportation of goods in the future**

**By 2040, many cities and urban centers around the world will be car-free in order to cope with increasing urbanization, climate protection requirements, and citizens' quality of life. Nevertheless, the need for efficient goods transport remains, whether for retail, private moves, or everyday shopping.**

**The CarryMeHome concept represents a visionary solution for mobility and transport in car-free (inner) cities of the future. The focus is on (semi-)autonomous trolleys that serve as flexible and sustainable transport aids. They can follow people who are traveling by active means of transport such as bicycle or on foot, but also in wheelchairs, and transport their goods. In addition, they are able to operate completely autonomously, for example by returning independently to the nearest sharing station.**

**Why (semi-)autonomous trolleys are needed:**

- **Car-free (inner) cities and efficient goods transport: (Inner) cities are becoming increasingly car-free. At the same time, the need for efficient goods transport remains.  
Promoting health: The trolleys promote a healthy lifestyle by enabling users to be physically active while transporting goods.**
- **Inclusion and sharing: The trolleys are designed as part of a sharing system, making them accessible to everyone.  
Promoting seamless mobility: The sharing stations can be integrated into mobility hubs that link different modes of transport such as bicycles, e-**

**scooters, and public transport to promote efficient, seamless, and flexible urban mobility.**

- **Support for people with limited mobility: The trolleys can actively support older people who cannot carry heavy loads or people with physical impairments, such as wheelchair users, by transporting their loads.**

**By 2040, CarryMeHome could play a central role in reshaping urban mobility. City centers will not only become car-free, but also more socially inclusive and sustainable. The (semi-)autonomous trolleys are not just a technological aid, but a symbol of people-centered and environmentally friendly urban transport. They make everyday life easier for citizens while helping to minimize resource consumption and redefine public space. CarryMeHome can help create a future in which the transport of goods and the support of people are harmoniously combined with the vision of sustainable, smart, and livable cities.**

**Research at the site**

- - **CarryMeHome: <https://activemobility.uni-graz.at/en/our-research/carrymehome/>**