

Preparing Public Transport for Autonomous Vehicles



Cities and municipalities as a key factor

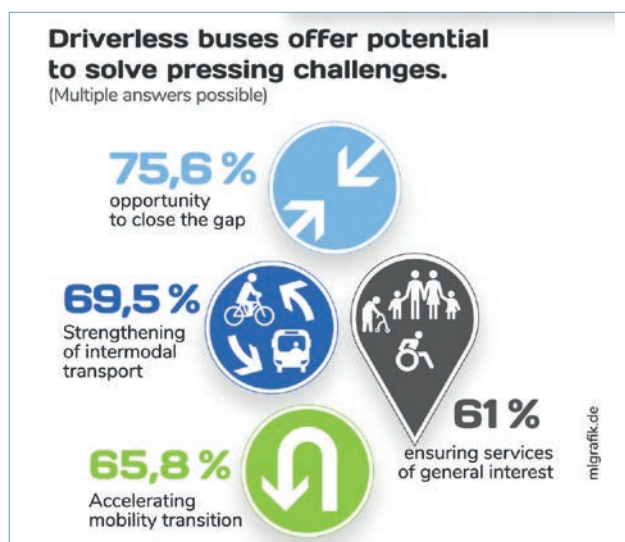
Public transport (PT) faces major challenges in terms of accessibility, costs, and environmental impact. Autonomous vehicles (AVs) can be a great opportunity to make PT more cost-effective, on-demand and user-friendly. But the ›how‹ of the implementation is decisive whether future mobi-

lity supports the goals of sustainable development or whether the effects will be counterproductive. Local governments as well as stakeholders of cities and municipalities will play a key role when it comes to integrating AVs into public transport. That's why we brought key stakeholders together in discussions, workshops, and visits to pilot projects to draw attention to their important role.

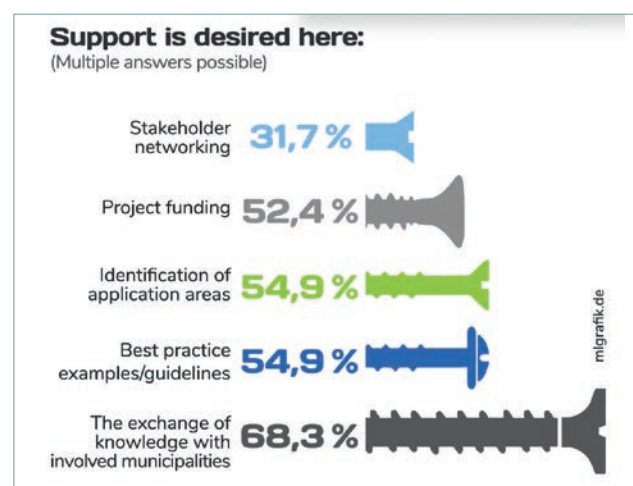
Practical step-by-step instructions

From the input of the discussions and workshops with stakeholders we developed two implementation-oriented papers. With the situation analysis and the roadmap, stakeholders and planners from communities not only get an overview of practical examples, vehicles and the legal framework, but also receive support to approach the topic of ›automated public transport‹ step by step:

- **Situation-Analysis:** The future of public transport-Automated vehicles as part of the solution? The analysis gives an overview of the current situation of A.R.T. and how driverless public transport is perceived in municipal practice.
- **Roadmap:** How to plan for automated vehicles? The roadmap helps develop a sustainable planning understanding for AVs that does not react to changes, but rather anticipates them.



Online survey of decision-makers and stakeholders from municipalities, politics and transport companies: 164 participants, 02/2021



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Be prepared! The time to begin future public transport planning is now.

Move beyond the wait-and-see attitude

The ongoing automation of vehicles has the potential to bring about a decisive change in our mobility and our transport system. At best, it could help strengthen rural areas, better meet mobility needs, facilitate access to mobility, and ultimately contribute to an integrated and sustainable transport system. Or it could make individual transport even more attractive, eventually displace public transport and lead to significantly more traffic. Automated mobility not only presents us with diverse opportunities, but also far-reaching challenges. In view of this situation in particular, an early consideration of possible impacts and options for action seems even more important.

» *It is crucial to work on the issues together with all the relevant stakeholders in the planning process.*



Recommendations for action

- Start now with the development of future-oriented structures by differentiating offers and distributing tasks in the sense of a uniform system.
- Use the unique opportunity to comprehensively make mobility future-proof.
- Use automation and transformation as an opportunity for ground-breaking changes and not just for isolated partial solutions.
- Get a locational advantage in intercommunal and interregional competition.
- Towards the future: Solve traffic problems with AVs and develop new mobility offers
- Be sure to discuss the design of automated mobility with large parts of society and ensure that they play an active role in shaping it.

Contact

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MOBILE ZEITEN

Dipl.-Ing. Christoph Marquardt
Marie-Curie-Str. 1
26129 Oldenburg
Telefon: +49 (0)441/36116560
marquardt@mobile-zeiten.net
www.mobile-zeiten.net

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