

H2BUS OFFENBURG

Hydrogen mobility in public transport in the city of Offenburg and surroundings - Concept development, techno-economic analysis and social acceptance

Key Facts



Funding Agency

Ministry of the Environment, Climate Protection and the Energy Sector Baden-Württemberg, BWPLUS Programme



Project Call

Studies on emission-free local transport based on hydrogen and fuel cell technology



Duration

11/2018 - 12/2019



Coordinator

European Institute for Energy Research (EIFER)



Partners

- Institut für Energiesystemtechnik der Hochschule Offenburg (INES)
- KIT - Institut für Verkehrswesen (IfV)
- Stadt Offenburg - Stabstelle Mobilität der Zukunft

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Ministerium für Umwelt, Klima und Energiewirtschaft Baden-Württemberg

Project Objectives

The aim of the project is the concept development, techno-economic analysis and investigation of social acceptance of a hydrogen infrastructure for local public transport in the city of Offenburg and the surrounding area. Based on an analysis of the current and future mobility behaviour, a hydrogen and fuel cell powered public transport system as well as a battery electric implementation is analysed and evaluated.



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EIFER's Contribution

- Project coordination
- Analysis of the bus system in Offenburg and surroundings
- Analysis of an H₂-based implementation of a bus system
- Creation of a development roadmap
- Evaluation of the hydrogen mobility acceptance

Contact

Maxime Zeller
+49 (0) 721 6105 1720
maxime.zeller@eifer.org

EIFER - Europäisches Institut für
Energieforschung EDF-KIT EWIV
Emmy-Noether-Straße 11
76131 Karlsruhe, Germany
www.eifer.org