

Authors:

Jonathan Hall, Daniel Rieger, Mike Bassett, Stephen Borman,
Simon Reader and Martin Berger

MAHLE Urban Mobility Concept: Design and Validation of a 48 V Urban Mobility Vehicle for the Future

The current challenges for the automotive industry as well as the advancing urbanization lead to new mobility concepts and powertrain technologies. MAHLE developed a fully electric urban vehicle concept called MEET – MAHLE Efficient Electric Transport. It combines MAHLE's core competence and expertise in electric powertrains, thermal management, as well as climate comfort. Right at the start of the development key aspects of urban mobility were identified to determine the characteristics of MAHLE's urban vehicle concept. MEET gives an outlook for future mobility and it shows the holistic approach for an efficient system solution for the electrified urban mobility.

