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Charging & Energy - Mobility Concepts & Services - Battery & Powertrain - E-Boat

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MAHLE



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Abstract

Scaling up High Performance Charging

With a fully electrified future in mind, there will be one million high performance chargers (HPCs) necessary worldwide. Today there are less than 10,000 HPCs available.

Enabling long distance travel for everyone, charging stops must be as short as possible. But this conflicts with grid capacity and peak power availability.

chargeBIG POWER solves this conflict with large scale, intelligent, grid friendly, high performance charging. The system offers up to 640kW per charging point with just 2MW grid connection for 20 charging points. A tariff and load management system with predictive algorithms manages peak demand.

chargeBIG POWER implements a systems / large scale / TCO approach, will be cheaper in purchase and operation and enables superior consumer experience!

CV Sebastian Ewert

06/2017 – today MAHLE GmbH, Founder & Head of Corporate Startup chargeBIG, chargeBIG enables E-mobility by providing large scale affordable charging infrastructure, responsible for Strategy, Business Development, Hardware and Software Development, Sales, Purchasing and Production

09/2016 – 08/2019 MAHLE Filtersysteme GmbH, Head of Project Management PDP Europe, responsible for project management of all customer development projects in Europe leading six European teams

10/2010 – 12/2012 Master of Business Administration (MBA), Open University Business School, Milton Keynes, UK

10/1999 – 03/2008 RWTH Aachen University, Diploma degree in Mechanical Engineering

About MAHLE

MAHLE is a leading international development partner and supplier to the automotive industry. The technology group is committed to playing an active role in transforming the mobility of the future by further optimizing the combustion engine, driving forward the use of alternative fuels, and laying the foundation for the worldwide introduction of e-mobility and other alternative drives, such as fuel cells. The Group's product portfolio addresses all the crucial aspects of the powertrain and air conditioning technology.

In 2019, MAHLE generated sales of approximately EUR 12.0 billion and is represented in over 30 countries with more than 77,000 employees in 160 production locations and 16 major research and development centers.