

Master thesis / Bachelor thesis / Project work

Development of a meta-study for the prediction of trends in the electromobility



Picture source: Förderinfo Bund

Initial situation:

In 2020, 14 % of new registrations in Germany were electric vehicles. Due to the rapid development and growth of electric mobility, driven by increasing public awareness of climate change and the increasing competitiveness of the main components (battery, fuel cell and electric motor) in recent years, many predictions and forecasts from recent years have already been significantly exceeded or can no longer be used for further forecasts. However, these forecasts are elementary for further planning in the electromobility sector and serve as an aid to the market for possible orientation and focusing.

Your task:

In this work, an existing meta-study at the PEM is to be updated and further developed. To this end, first of all, a detailed search for new studies in the field of electromobility is to be carried out and these are to be incorporated into the existing structure. Furthermore, based on the already existing and newly collected data, in addition to the general information concerning the electromobility market, different questions such as cost developments, recycling trends, application potentials for different means of transport, etc. for one of the three main components (battery, fuel cell and e-motor) will be addressed. The area under consideration is defined in cooperation with you at the beginning of the work.

Requirements:

- Degree in engineering, computer science (or comparable)
- Structured way of working
- Good knowledge of PowerPoint, Word and Excel

Offered:

- Fast processing
- Delimited tasks and flexible processing
- Professional supervision and insight into industry and practice
- Independent implementation with consultation via Microsoft Teams

Interested?

Please send a current transcript of grades as well as your CV and references to the e-mail address below.

Your contact at the PEM:

Sarah Wennemar, M.Sc.
s.wennemar@pem.rwth-aachen.de