

FROM CONCEPT AND SERIAL DESIGN TO INDUSTRIALIZATION SUPPORT: BENTELER E-MOBILITY ENGINEERING SERVICES



In e-mobility there is a strong need for engineering support. Not only because there are new non-automotive players in the market but also because the amount of real e-mobility competence is still low. To accelerate our customers businesses, BENTELER E-Mobility has extended its services. We offer full system engineering on platform development, battery pack and Integrated E-Chassis Modules without any obligation on BENTELER to do the manufacturing. All supported globally from our engineering hubs in China and Germany.

Our customers receive first class engineering from a manufacturing supplier that knows how to engineer components and systems on a value-based design and with best production feasibility. Because BENTELER is

a process specialist with long-term industrialization competence. We know which design is best for robust and efficient industrialization. For the customer, it means the flexibility to operate and source freely or nominate BENTELER to do it for them.



THE FEASIBILITY STUDY - A VERY EFFICIENT TOOL IN THE DEVELOPMENT PROCESS

The e-mobility momentum is strongly driven by new OEMs and start-ups defining mobility new. But because they are not so familiar with automotive processes, the specifications of the vehicle concept are often fragmentary.

As a first inexpensive step, we offer our customers a 2 to 3-month feasibility study, where we work out the target book of the vehicle together. This includes, for example, a technical overview with a visual BOM, a packaging study with first hard points and the performance data of the vehicle, and much more. After the feasibility study, the customer has a clear picture of how to implement the vehicle strategy. And of course, with BENTELER there to support the next step.



Dear All,

Engineering Services is a hard-fought market, so what differentiates BENTELER?

We've already successfully supported many e-mobility customers around the world. We put a lot of emphasis on our results, which we may end up manufacturing. Finally, and most importantly, as a Tier 1 supplier that knows how important value engineering is, we live engineering services. Functionality is mandatory. But often, what appears to be the best design isn't the most effective for mass production because it requires sophisticated tooling and process technology. So we not only engineer, we share expertise.

Regards,
Marco Kollmeier

For further background about our e-mobility solutions please visit our website: www.benteler-automotive.com/e-mobility

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