

Press Information

Greater flexibility for drive concepts – fewer tools

Kick-off of "FlexHyBat" research project – incremental lightweight floor assembly for lightweight commercial vehicles

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The increasing number of alternative drive concepts poses new challenges for vehicle development and production engineers. What it really comes down to is integrating the different drive concepts into the vehicle structure as cost-effectively as possible and, above all, manufacturing them economically. The aim of the "FlexHyBat" research project that kicked off at the end of 2020 is to manufacture multi-variant vehicle floor assemblies using as few tools as possible.

EDAG, one of the world's largest independent engineering service provider, and project partners data M Sheet Metal Solutions GmbH, Cloos, BILSTEIN, Protomaster und Fraunhofer IWU, are working together to find a way of combining new steel types and innovative manufacturing processes so that a flexible and economical manufacturing process results.

As the lead initiator, EDAG is responsible for the development and design of the multi-variant floor assembly and technical demonstrator in cooperation with its partners.

By participating in the research project, the EDAG Group is underlining its commitment to exploring new horizons, to enable vehicle components to be manufactured more efficiently, more economically and more sustainably in the future.

The "FlexHyBat" research project has the backing of the Federal Ministry for Economic Affairs & Energy, and is being supervised by TÜV Rheinland Consulting GmbH, the project sponsor.



ABOUT EDAG

EDAG is an independent engineering service provider working for the global automotive industry. The company has a global network of some 60 branches at the world's major automobile centres to serve leading national and international vehicle manufacturers and technologically discerning automotive suppliers.

In addition, EDAG also offers engineering services in the Vehicle Engineering, Electrics/Electronics and Production Solutions segments. This extensive competence enables EDAG to provide its customers with all-round support, from the original idea to design, through to product development, prototype construction and even turn-key production systems. As an innovative technological leader, the company also has competence centres for ground-breaking future technologies for the automotive industry: lightweight design, eMobility, digitalisation, integral safety, cyber security and new production technologies.

Do you have any questions, or need further information?

I look forward to hearing from you:

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