



ELECTRIC VEHICLE

FROM THE 3D PRINTER

'Scorpion' is the name of the electric vehicle created by students of HTL Salzburg with the support of HAGE3D. The vehicle has since received road approval and can be considered a resounding success.

The aim of a technical school in Salzburg: development of an energy-efficient electric vehicle. The current vehicle, 'Scorpion', also impresses with its exceptional design, and is a truly unique specimen. It is intended to provide inspiration for future and sustainable projects and to raise awareness of modes of transport that are powered by electricity.

Flow simulation was used to create the shells, which can be additively manufactured almost 1:1, with scarcely any restriction on freedom of design. The HAGE3D 72L 3D printer was used – the optimal and reliable solution for technical plastics.

3D technology has given the chassis new aspects that the previous chassis did not benefit from. Plus, thanks to rapid and straightforward disassembly, the shell is also extremely functional and requires no additional support structure. 3D printing also enabled a weight reduction, giving a significant improvement in performance.



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