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Femto Engineering first engineering firm in Benelux with FIA accreditation

Certification of roll cages in the automotive industry

Femto Engineering is starting the year with admission to the list of accredited companies of the Fédération Internationale de l'Automobile (FIA). The company is allowed, as the first and only one in the Benelux countries and France, to provide calculations for the certification of roll cages without the otherwise mandatory destructive test.

FIA and motorsport

The FIA provides certification of so-called Roll-Over Protection Systems (ROPS) in vehicles according to specific regulations. The recognition of Femto Engineering makes it possible to support a growing number of companies, in motorsport among others, both nationally and internationally. The first projects have already been completed for 2023.

Digital validation

Over the past 25 years, Femto Engineering has carried out many impact and crash simulations. These simulations enable digital assessment of structures in advance. Using the finite element method (FEM), Femto engineers calculate how strong a structure is. They specialize in creating a "digital twin" to perform such calculations.

Koninklijke Nederlandse Automobiël Federatie (KNAF)

Femto Engineering partnered with the KNAF to join the FIA's ranks of European companies.

KNAF: "Performing this kind of testing in practice is destructive and costs a considerable amount of time, material and money. In Femto, we found a partner to carry out this kind of advanced simulation that saves a significant amount, while allowing you to test various practical situations digitally."

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About Femto Engineering

Since its establishment in 1997, Femto Engineering has developed into a knowledge-intensive engineering company in the field of Computer Aided Engineering, with specialist knowledge in deploying structural analysis (FEM), flow simulations (CFD) and Systems Engineering, or combinations thereof.

Femto Engineering has its head office in Delft (the Netherlands) and offices in Münster (Germany) and Lommel (Belgium).

Note to editors

For questions and information, please contact Bastiaan Modderman, commercial director Femto Engineering, via +31(0)15.285.05.80 or bastiaan@femto.nl.