



CNH Industrial is a global leader in the capital goods sector with established industrial experience, a wide range of products and a worldwide presence. Each of the CNH Industrial's brands is a major international player in its specific industry: Case IH, New Holland Agriculture and Steyr for tractors and agricultural machinery; Case and New Holland Construction for earth moving equipment; Iveco for commercial vehicles; Iveco Bus and Heuliez Bus for buses and coaches; Iveco Astra for quarry and construction vehicles; Magirus for firefighting vehicles; Iveco Defence Vehicles for defence and civil protection; and FPT Industrial for engines and transmissions. More information can be found on the corporate website: www.cnhindustrial.com

FPT Motorenforschung AG in Arbon has around 250 highly qualified employees working with commitment and acknowledged success. As the main innovation center for FPT Industrial, the site is involved in developing FPT Industrials' future powertrain solutions (not only in electrified powertrains, hybrids and fuel cells, but also novel engines concepts and alternative fuels) and is therefore at the forefront of a transition towards a future of alternative propulsion systems.

Virtual Structural Analysis CAE Specialist

As part of a highly skilled multi-national group you will be responsible for setting up, executing and evaluating CAE analyses to support in the development of components related to the FPT powertrains. Our wide range of engines and applications guaranties a diversified work ranging from small assemblies to full systems. As a good team player, you will integrate into a highly cooperative team further developing the CAE methodologies.

Your tasks

- Active support and guidance to project teams, platforms and the design department in the development and analysis of new or existing products
- Support the ePWT and Innovation teams in the design and structural lay-out of hybrid engines, fuel cells and battery packs
- Definition and execution of CAE simulations and analyses of engines, drivelines and their components
- Produce written reports, participate in meetings and make verbal presentations of CAE analysis results
- Continuous update and improvement of calculation guidelines, methodologies and best practices
- Definition and monitoring of analyses done by external suppliers

Your profile

- Degree in engineering (Master's degree is preferred)
- Min 3 years of experience in FE and / or MBS analyses of complex mechanical components
- Advanced analysis and CAE software skills for static, dynamic and thermo-structural computations
- Advanced engineering skills and comprehensive knowledge in engineering mechanics and mathematics
- Knowledge pertaining to engine and performance
- Knowledge in Permas (FEM), Simdrive3D (MBS) and Hyperworks (Pre- / Postprocessing)
- English language level, min B2
- You are a highly motivated self-starter and team player with very good communication skills and can manage multiple tasks
- Knowledge in programming (ideally Matlab) for automatization

Interested?

Please apply here: <https://cnhindustrial-emea.mua.hrdepartment.com/hr/ats/Posting/view/17240>

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