

Vehicle Simulations Specialists

Are you an experienced CAE Engineer ready for tackling new challenges? We are continuing to grow and are looking for motivated and skilled people to join us.

Job Description

CAE Value is committed to stay in the front end of mobility development. Advanced vehicle modeling taking into account the new challenges of electric propulsion, thermal management and evolving dynamics requirements is key in the transformation of the vehicle industry.

We are looking for engineers with passion for modeling of vehicle chassis, steering, and powertrain components and systems. Electric propulsion modeling and setting up advanced optimizations will be a significant part of your work.

- Vehicle component and systems modeling, using MSC.ADAMS/Car, VI-CarRealTime, Matlab/Simulink, Amesim
- Energy management modeling and optimization (Battery, Charging, Regeneration, Electric Motor, Thermal Management), using Amesim or equivalent tools
- Multi-objective optimization, using HEEDS MDO

Based on your profile and goals, there are also possibilities to take an active part in areas, such as Technical Sales Support, Software Support, and Training.

Key Competencies

- M.Sc. in Mechanical Engineering, Engineering Physics, Controls or similar
- 15 years CAE work experience
- Fluent in English, written and spoken is mandatory
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- Strong knowledge in at least one of the following areas is required:
 - Modeling of dynamic systems
 - Multi-Disciplinary Optimization
 - CAE analysis and method development
- Basic programming knowledge is required (e.g., Python, MATLAB, C)
- Deep knowledge of vehicle dynamics mandatory
- Knowledge and experience with tools, such as MSC ADAMS/Car/Amesim/HEEDS/ANSA/Nastran/Abaqus/Simulink/VI-CarRealTime/Carmaker/ HEEDS MDO

Personal Skills

- Excellent analytical capability and a passion for problem-solving
- Ability to work both independently and in teams
- Strong communication skills are a must

About CAE Value

CAE Value is a specialized consulting company and provider of unique solutions and services in simulation and optimization, operating on a worldwide basis with an emphasis helping our customers leverage the full value of simulation driven development. CAE Value was founded on the drive to deliver state-of-the-art software and consulting services to customers within the automotive, construction equipment, heavy machinery, and energy industries. The result — significant value increase for virtual product development methods. Combining expertise in component and system modeling, validation, optimization and automation, our clients benefit from increased process and product performance, as well as innovation capabilities.

For more information: www.caevalue.com

Contact

Apply by sending your CV and cover letter to career@caevalue.com as soon as possible.

We are looking forward to meeting you!