

CFD 3D/1D Simulation Engineer CFD 3D/1D (m/f/x)


LOCATION

Shanghai


COMPANY

ARRK Engineering Co.
(Shanghai) Ltd.


CONTRACT TYPE

Full-time


Form of Work

Hybride

WHAT TO EXPECT

Are you creative, with a passion to put your ideas and expertise to good use? Then welcome to ARRK Engineering. We offer you excellent career prospects, a challenging range of tasks, independence, as well as a welcoming and respectful working environment.

YOUR TASKS

- Perform Computational Fluid Dynamics (CFD) and thermal simulations in the fields of vehicle interior & exterior, lighting systems, under hood thermal management, HVAC systems;
- Utilize CFD tools (ANSYS Fluent, Star CCM) to solve physics-based problems related to, thermal comfort, hydraulics, thermal runaway, aerodynamics etc.;
- Validation and verification of CFD solutions and/or matching to experimental data;
- Develop and deliver detailed simulation solutions through project activities;
- Ensure that all engineering activities are undertaken in accordance with the Company's quality control processes and that the relevant standard is achieved – adheres to company's and customer quality standards at all times;
- Understand the scope of work for all allocated engineering deliverables and ensure that it is delivered to the requisite quality, budget and schedule;
- Improve existing analytical capabilities by developing and improving best practices, automating processes, and streamlining workflows;
- Documentation, reporting, and making technical presentations of engineering solutions to design teams and clients
- Work independently while communicating and coordinating with other engineering disciplines and project managers
- Work closely with European Offices to improve and develop solutions / products / offerings, take part in problem identification and solution deployment.

YOUR PROFILE

- Bachelor degree or above in Vehicle Engineering, Aerospace Technology, Mechanical Engineering, Construction Engineering and other related majors
- Good knowledge in fluid Mechanics, Heat Transfer and Automotive Engineering;
- Experience in CFD tools and numerical analysis is an advantage;
- Highly responsible for the work, excellent organizational skills, and maintain a proactive attitude;
- Good teamwork skills and ability to complete challenging work independently;
- Profound communication in spoken and written English, good German language skills desirable both written and spoken

YOUR BENEFITS



Exciting projects



Flexible working
hours



ARRK Engineering
Academy



Employee events



Creative scope



Pleasant working
atmosphere

APPLY NOW



CONTACT

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ARRK Engineering is part of the international ARRK group of companies and specialized in product development. Within the ARRK group of companies we implement product developments from virtual development to prototypes and small series production.

For reasons of simplification, only the masculine form is used in this job advertisement. However, persons of any gender and any orientation are always meant equally.

Our job offer is equally directed at severely disabled persons and persons of equal status.