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## CFD Application Engineer

**Job Title:**

CFD Application Engineer

**Location:**

Singapore

**Position Description:**

CD-adapco currently has vacancies for CFD Application Engineers to assist our rapidly growing Southeast Asian customer base. The CFD Application Engineer will use CD-adapco's best-in-class simulation software, quickly becoming an expert in the simulation of a variety of advanced engineering processes in order to assist our customers with their engineering designs. This position offers an exciting opportunity to be at the forefront of the innovative use of simulation in engineering design, industrial processes and research environments. CFD Application Engineers in CD-adapco typically become involved with a full spectrum of simulation applications in industries such as Automotive, Aerospace, Architecture, Defense, Energy, Marine etc. The breadth of analyses covered by these application areas is also broad ranging and includes standard analyses of fluid dynamics, heat transfer, as well as new simulation topics such as electric motor analysis and battery design.

The successful applicant will work as part of a CD-adapco team consisting of other CFD engineers and account managers, as well as working closely with customers, to understand and analyze engineering processes within a client organization and find the best fit for advanced simulation tools. This will require travel to customer locations and perhaps extended on-site work, to meet and interact with customer engineering teams. There will be responsibility for ensuring that customers achieve the maximum technical benefit from investing in CD-adapco's technology products, and, as part of this, there will be a focus on educating customers in best practices developed by experts in CD-adapco.

Being successful in this role requires excellent English verbal and written communication skills. Strong organizational ability to multi-task with both long term and short term projects are also essential due to the fast pace of the role. The successful candidate for this position will need to quickly understand the various and expanding applications to which CFD is employed as well as handle the rapid rate of development of our flagship multi-physics code, STAR-CCM+.

**Qualifications:**

The minimum qualifications include a preference of a Master's Degree in an engineering-related field. However, the emphasis is on a strong understanding of fundamental engineering principles and the underlying mechanics of CFD such as turbulence modeling, meshing strategies, solver schemes and heat transfer phenomena. A strong interest and knowledge in engineering as a whole, is considered a basic requirement.

Additionally, exposure or experience in the following areas may be considered advantageous:

- STAR-CCM+
- JAVA programming language
- CAD packages such as CATIA v5, Pro/E, NX, SolidWorks or Inventor
- Codes to which CFD can be coupled to such as FEA packages, 1D simulation tools, optimization software
- Previous CFD experience in industry with a commercial code is preferred but not required
- Singaporean citizen or permanent status for the Singapore position

If you are excited at the prospect of an engineering position with one of the world's leading suppliers of simulation technology, are interested in working with and traveling to some of our top global engineering customer companies, having a dynamic and varying engineering career with competitive benefits and job growth opportunities, then please submit a CV/resume and cover letter outlining your unique qualifications for this position to [HR-AU-SG@cd-adapco.com](mailto:HR-AU-SG@cd-adapco.com) <sup>[1]</sup>.

CD-adapco is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, national origin, citizenship, marital status, gender, age, sexual orientation, gender identity, genetic information non-discrimination or protected veteran status and will not be discriminated against on the basis of disability. All employment is decided on the basis of qualifications, merit and business need.

CD-adapco is the world's largest independent CFD focused provider of engineering simulation software, support and services. We have over 30 years of experience in delivering industrial strength engineering simulation.

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