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Role: CAE Engineer

Location: Shanghai, China

Job Profile:

Arup is one of the world's largest and most respected consulting engineering firms. The firm currently employs nearly 10000 people in 37 countries. Our skills are diverse, ranging from the design of buildings and bridges to automotive engineering and management consultancy.

奥雅纳 (Arup)

是全球最大最成功的国际工程咨询公司之一，在全球37个国家有10000余名员工，我们的业务涵盖从建筑和桥梁的设计到汽车工程和管理咨询。

Our rapidly growing Advanced Technology + Research group in Shanghai is currently recruiting CAE engineers to work on forthcoming vehicle programmes, structural analysis projects and to provide support for Oasys and LS-Dyna software. Our engineers can expect to receive excellent training in CAE methods and opportunities to travel to the UK and the US. They will be responsible to the group manager in Shanghai and will be expected to communicate regularly with our UK head office.

由于迅速增长的汽车业务需求，我们先进技术和研究集团 (AT&R) 上海办事处现为汽车工程咨询项目，结构分析项目及Oasys及LS-

DYNA软件支持招募CAE工程师。我们会对CAE工程师进行专业的CAE技能培训，成功应聘者有机会到UK和US去进行学习，他们将负责集团在上海的业务并定期与我们的UK总部进行沟通。

The successful candidate will receive training from an experienced foreign engineer and will have the opportunity to play a key role in the development of our CAE service and automotive business in China. 成功的应聘者将从有经验的外国工程师那得到专业的培训并可能在我们中国CAE服务及汽车业务中起到关键作用。

We are looking for young professionals with 2~3 years of experience in crash simulation using LS-DYNA. 我们找寻的是具有2-3年LS-DYNA碰撞仿真工程师。

Responsibilities: 责任：

- Uses LS -DYNA Finite Element analysis to perform structural analysis of civil structures and vehicles. .
使用LS -DYNA软件进行汽车结构和民用结构有限元分析。
- Visits customer sites to set up software and give software demonstrations
拜访客户安装和介绍软件
- Provides recommendations to improve the structural design
对结构设计提出相关建议
- Prepares technical reports and delivers presentations to clients in Chinese and English
用中英文为客户提供技术报告和递交演示文本

- Supports Arup's LS-Dyna and Oasys software customers in China
对Arup的LS-Dyna和Oasys的中国用户提供技术支持
- Works at customers site when required
如有必要需到客户地点进行办公
- Translates technical documents between Chinese and English
在中英文间翻译技术文档
- Ensures all design and modelling information is treated in a confidential manner
对所有的设计和修改信息保密
- Confers with Arup's AT+R groups in UK, Japan and US to clarify or resolve problems
与ARUP在UK,日本和US的AT+R服务团队协同阐述和解决问题。

Qualifications: 条件 :

- Mechanical Engineering degree or related discipline (minimum score 80%)
机械工程专业或相关专业 (至少80% 相关)
- Must be proficient in the use of Ansa or Hypermesh and post-processing software
熟悉ANSA或Hypermesh前后处理软件
- Required skills: 2-3 years of use of LS-DYNA in the industry.
要求的技术: 2 - 3年LS-DYNA工业使用经验。
- Ability to work in a team, follow instructions; pick up new software quickly and solve problem independently
能与团队协作, 遵守制度, 具有能快速上手新软件和自己解决问题的能力
- Understanding of vehicle engineering, materials and manufacturing processes
理解汽车工程, 材料和生产过程
- Understanding of seismic design of structures or knowledge of multibody dynamics and fatigue analysis a definite advantage
理解地震结构设计或多体动力学和疲劳分析的优先。
- Able to work with minimal supervision and use initiative to solve problems
工作能动性, 自主解决问题的能力
- Willingness to work under pressure to meet deadlines
愿在压力下工作来满足进度要求
- Microsoft Office literate using Excel, PowerPoint, Project and Word
熟悉OFFICE系列软件
- Fortran/C Programming skills and experience using Unix/Linux is an advantage
精通Fortran/C程序和具有Unix/Linux应用经验优先考虑

Language Skills: 语言 :

- Fluent in English and Chinese. Can read and write effectively in English
英语和普通话流利, 能使用英语进行读写
- Excellent oral communication skills
流利的英语口语交流能力