



In order to strengthen our group Numerical Calculations, we are looking for a young engineer to work in a research project. The young engineer will be enrolled in a PhD program in London City University.

■ Engineer for numerical calculations (CFD) (m/f)

Work definition:

- Implementation of models on fuel atomization
- Numerical simulation and optimization of oil burners for conventional power plants
- Cooperation with project partners and internal departments for target definition and model optimization
- Model validation with the help of available data
- Documentation and presentation of calculation results
- Development of guidelines for future simulations in the field

Your profile:

- MSc. in mechanical, energy or process engineering or in applied mathematics, physics, chemistry
- Experience in simulations with commercial CFD software, preferably Ansys – Fluent
- Experience in programming, preferably C or UDF-programming in Ansys – Fluent
- Basic knowledge in combustion technology
- Good mathematic, physical background in the fields of fluid dynamics, turbulence modeling, boundary interface phenomena.
- Fluent in English and German
- Highly motivated to work on the field of droplet atomization and flame simulation of oil burners in the large industrial scale

Mitsubishi Hitachi Power Systems Europe supplies up-to-date, economic products. We construct and modernize power plants. We deal with anticipatory service. Our green technologies, for instance, in energy storage and biomass provide further examples of innovation and reliability. Intelligent solutions in power generation require know-how and an associated track record. Both, of course, are available with us. For over 100 years.

Are you interested?

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job@eu.mhps.com

We are looking forward to meet you!

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- Highly motivated to work in a team, highly flexible
- Applicants should have less than 4 years of research experience. This is measured from the date when they obtained the degree (M.Sc or equivalent) which formally entitles them to embark on a doctorate
- Applicants must **not** have resided or carried out their main activity in Germany for more than 12 months in 3 years.
- Applicants should not possess a PhD.

The work contract is limited to 3 years and provides the opportunity to embark on a doctorate.

Further information about the project can be found in the link below:
<http://ec.europa.eu/euraxess/index.cfm/jobs/jobDetails/34049921>