

Project nr. 672

External id. 7261983

Mechanical Engineer

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The Science Directorate at the European Spallation Source (ESS) in Lund, Sweden, invites applications for a Mechanical Engineer within the Instrument Technologies Division.

Description of the Directorate / Division / Group

The Instrument Technologies Division is part of the Science Directorate, which executes the Neutron Scattering Systems (NSS) project. The NSS scope is to design, build and commission neutron scattering instruments, and the Instrument Technologies Division, together with its in-kind partners, is dedicated to providing and supporting key components not only during construction but also during operation of the facility's scientific instruments.

Description of main responsibilities

The engineer will initially report directly to the Head of the Division but work closely with the Engineer responsible for the technical coordination within the NSS project and NSS' Central Engineering Team. The team of engineers will, together with in-kind partners, and commercial partners if required, design technical solutions to ensure long-term availability and reliability on instrument systems, sub-systems and components. It is foreseen to transfer the position into one of the technical groups within the division to provide support during installation, integration & operation of instruments.

The successful candidate should be prepared to

1. participate in the development of strategies, techniques and methods to ensure optimised systems in performance, reliability and cost
participate in the definition of requirements and technical specifications
2. participate and supporting in-kind partners in the procurement of prototype systems
3. support of in-kind partners and/or commercial suppliers during testing and installation of systems
4. ensure safe operation, performance and maintainability of systems

Technical competencies

The nature of the position and the changing environment of a complex project requires an agile

and flexible person with experience in developments, project management, appreciation of stakeholder requirements, and ideally operational and hands-on experience.

Qualifications

At minimum, a master's degree in mechanical engineering.

5+ years of experience in an engineering or engineering development environment.

The candidate should be able to demonstrate experience in:

1. Design of mechanical and electromechanical systems
2. Participation in development of complex mechanical systems and assemblies
3. Manufacturing considerations in the context of prototype developments incl quality assurance and quality control

Additional experience would include:

1. Track record of project management
2. Experience in using 3D CAD modelling software
3. Experience of working in an international environment

Excellent oral and written English skills are a prerequisite; knowledge of other European languages would be an advantage.

What ESS can offer

At ESS we offer people with talent and passion a unique opportunity to be involved in the development and building of a world leading facility for materials research. Besides attractive employment and relocation conditions, the flexibility to balance work life with private life and good opportunities to further enhance your skills; you will also enjoy being part of an organisational culture that promotes and supports internal career growth. We pride ourselves in having successful collaboration across different functions, and as the facility continues to grow we will keep nurturing the international and vibrant environment welcoming people from all across the world.

Duration & Location

The position is permanent with six months initial probationary period. Your work place will be situated in Lund, Sweden.

Start date

The position is to be filled as soon as possible.

Application & Contact

Please provide your curriculum vitae and cover letter in English by clicking on "apply" and

following the instructions. *Please note we only accept applications via the ESS website.*

The deadline for applications is **13th of August, 2017.**

For more information regarding the ESS recruitment process, please follow this link <https://europeanspallationsource.se/ess-recruitment-process>. For further information regarding the position, please contact the Head of Division, Oliver Kirstein, [oliver.kirstein\[at\]ess.se](mailto:oliver.kirstein@ess.se). For further information regarding the recruitment process, please contact HR Officer, Sara Margaryan, [sara.margaryan\[at\]ess.se](mailto:sara.margaryan@ess.se).

The European Spallation Source ERIC will design, build and operate a multi-disciplinary, large-scale research infrastructure based on the world's most powerful neutron source. European Spallation Source, ESS, will provide scientists with unique and powerful neutron scattering instruments for the study of a large range of materials - from polymers and pharmaceuticals to membranes and molecules. ESS project is partnered by 17 European countries, and hosted by Sweden and Denmark. ESS will be built in Lund, Sweden, by a collaboration of European scientists and engineers. ESS is planned to produce the first neutrons by 2019. When the facility is in full operation 2025, ESS has around 450 employees.

ESS aim to ensure that staff are employed on the basis of ability and the requirements of the job, and that no applicant or employee receives less favourable treatment because of sex, transgender identity or expression, ethnicity, religion or other belief, disability, sexual orientation or age.

(We have made our media choice regarding recruitments and kindly decline contact with media sellers.)