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Area:
Head of the Area:
Group: bFUS
Head of Group: Manel Sanmarti Cardona

Project Engineer for Fusion Energy and Particle Accelerators' Technologies

JOB DESCRIPTION

IREC is looking for Mechanical Project Engineer for the bFUS program. The professional will be responsible of the IREC's contribution to the DONES project and fusion related mechanical engineering activities within the bFUS team. In particular, tasks will include project management, mechanical design, technical and contractual specifications writing, contract and construction follow up, coordination with international DONES teams and project managers.

This professional must be highly skilled in mechanical engineering, mechanical and fabrication design using CAD/CAE tools, mainly structural/mechanical, with special application on nuclear fusion and particle accelerators' technologies. Experience in large international collaborative projects in relevant nuclear fusion technologies is mandatory. Capacity to work in a team, flexible, results oriented with initiative and problem solving skills would be valuable.

Requirements:

Essential:

- University Degree Mechanical Engineering or Industrial Engineering
- Background and proven experience in nuclear fusion
- Background and proven experience in mechanical engineering and fabrication of components, including contract follow up
- Proven experience in nuclear fusion related technologies such as mechanical engineering, mechatronics, vacuum, metrology, fabrication and design codes
- Experience in large international collaborative projects in relevant nuclear fusion technologies
- High proficiency in English language
- High proficiency in CAD and FEM tool: CATIA V5/SolidWorks and ANSYS

Advantageous:

- Proven experience in particle accelerators' beam line design
- Proven experience in beam lines components design: magnets support, beam dump systems and shielding, scrappers, vacuum systems.
- Experience in the IFMIF/EVEDA or DONES project
- Experience in Eurofusion program

Personal Skills:

- Self-motivated and open-minded
- Good communication skills
- Team Worker.
- Results-oriented.
- Analytical and synthesis capabilities.
- Negotiation skills

Proposed Jury:

Presidència	Titular	Manel Sanmarti Cardona
Vocal 1	Titular	Beatriz Brañas CIEMAT
Vocal 2	Titular	Dr. José Luís Domínguez García