

Partnership opportunities

Fields marked with * are mandatory.



Are you looking for partner to fulfill the requirements of current or forthcoming [F4E business opportunity](#)?

Do you have relevant expertise, technologies, or interesting raw materials to offer?

Or do you simply want to introduce your company and engage in the EU Fusion Industry Supply Chain?

Whether you are a large corporation, an SME, an established fusion player or a newcomer to the field, this is your starting point.

In just a few minutes, you can submit an offer or request below. Our Market Analysis team will review your submission and feature it in the [Fusion Partnerships section](#) of the F4E Industry Portal.

Thank you for joining us and contributing to the future of fusion!

F4E Market Analysis and Techno Transfer Group

*** Description (Please describe what you are offering / looking for. If related to a specific Call for Tender or Business Opportunity with F4E or ITER IO please indicate the name and reference)**

Hot Cell Facility Design and Build Procurement-RFP-10031984-JLE New Millennium Nuclear Technologies International (NMNTI) is looking for a potential partner for the ITER Sampling and Characterization of activated components inside the hot cell facility. NMNTI specializes in advanced nuclear characterization and radioactive waste management, with a patented process for sampling significant metallic components, including those from within hot cells, reactor core internals, and nuclear process systems. We authored the Feasibility Study on The Technical Challenges of the Sampling and Characterization Station System for the ITER Organization, demonstrating our technical leadership in high-radiation sampling using robotics and regulatory waste characterization compliance. This sampling system and approach are approved by ITER. NMNTI provides full-cycle nuclear engineering design services, including: • Concept and Preliminary Design. • 3D CAD and finite element analysis of hot cell equipment and shielding systems. • Integration of robotic manipulators and remote tooling systems. • Evaluation of spatial interfaces, mechanical loads, and radiation exposure zones. • Detailed Engineering. • Instrumentation, sample retrieval, and containment system layout. • Embedded shielding and ventilation (HVAC) and glovebox operations integration. • Interfacing with nuclear safety, I&C, ADS, and REMS systems. • Design for Safety and Decommissioning. • Adherence to French INB Order (7 February 2012), ISO 9001:2015, and IAEA TECDOCs. • Contamination prevention and sample retrieval, with adherence to Data Quality Objectives, sample representativity, traceability, and chain-of-custody assurance. • Structural integration with Hot Cell Building (B21), robotic systems, and remote handling platforms • Radioanalysis of Transuranic, ILW, and VLLW streams. We would welcome the opportunity to collaborate with your organization to support ITER's Sampling and Characterization needs and compliance with Waste Acceptance Criteria.

*** What form of collaboration would you like to promote?**

- ☒ Offer - my organisation has relevant expertise, technologies, or raw materials to offer
- ☐ Request - we are looking for specific expertise, technologies, or raw materials
- ☐ Both of the above

*** Please indicate below the collaboration preferences you wish to highlight (you can select more than one)**

- ☒ Specific expertise and technologies
- ☒ Specific materials
- ☒ To sub-contract to partners
- ☒ To co-contract with partners
- ☒ Sharing general technologies and business presentations
- ☐ Other

Upload supporting documentation (e.g., business presentation, relevant technical specifications)

5d80988e-6722-4f1b-a0ed-30233666ea22/NMNTI_Capabilities_ITER_HCF.pdf
66341f59-f1ec-49bb-b1b4-044687665bf2
/NMNTI_TruProid_Capability_HCF_Sampling_Station_and_Laboratory.pdf

Logo of your company or additional file

dfd5504d-54f2-4c85-b3a4-17345ba051de/Logo.jpg

Expiry Date of the Offer or Request (you must indicate any business opportunity related expiry date, by default postings will expire after six months but can be renewed on request)

10/09/2028

*** Your contact email**

saggarwal@nmnuclear.com

*** Your organization name**

NEW MILLENNIUM NUCLEAR TECHNOLOGIES INTERNATIONAL, INC.

Contact

[Contact Form](#)