

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)**

**\*\*Title:\*\*** Partnership Opportunity: Next Step Fusion – End-to-End Fusion Engineering and Technology Solutions

**\*\*Company overview:\*\***

Next Step Fusion is a pure-play fusion industry partner headquartered in Luxembourg. We accelerate magnetic confinement fusion (MCF) companies by bridging world-class science with deployable, industry-ready solutions across the full fusion supply chain. Our team of 20+ plasma physicists, fusion engineers, software developers, and ML specialists brings experience with major devices including JET, MAST, ITER, DIII-D, JT-60SA, and COMPASS.

**\*\*Services and capabilities:\*\***

**\*\*1. Tokamak Integrated Modeling\*\***

End-to-end design and modeling support for MCF device builders. We partner with fusion companies throughout the entire system lifecycle — from concept design through detailed engineering — providing integrated plasma physics and engineering analysis.

**\*\*2. Modular Diagnostics Platform (MDP)\*\***

Integrated instrumentation and control solutions for next-generation MCF systems and future FPPs. Our first focus is microwave diagnostics (MR, ECE, CTS, RIP) in a modular port-plug-based unit to deliver essential plasma measurements through a unified data acquisition interface, supporting both plasma control and safety functions.

**\*\*3. Specialized Fusion Software\*\***

Custom modeling tools, data visualization systems, and plasma parameter prediction software developed by a team combining professional plasma scientists with experienced software engineers. Includes NSFsim, our advanced tokamak simulator, its public web API for conventional and ML controllers development and testing, and other solutions.

**\*\*We are seeking co-contractors and sub-contractors with expertise in:\*\***

- Plasma diagnostics hardware development
- Synthetic diagnostics and codes for end-to-end diagnostics hardware simulations
- Fusion-grade instrumentation and control systems

**\*\*Why partner with Next Step Fusion:\*\***

- Dedicated fusion-only company — 100% focused on the MCF sector
- Professional plasma scientists with backgrounds in public fusion research
- Experienced fusion engineers with multi-device operational expertise
- Advanced integrated modeling capabilities proven across 15+ tokamak simulations and designs
- Full-spectrum expertise: modeling, design, diagnostics, control systems, and software

**\*\*Contact:\*\***

Email: [info@nextfusion.org](mailto:info@nextfusion.org)

**\* 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)**

**Logo of your company or additional file**

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**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)**

31/12/2026

**\*Your contact email**

akz@nextfusion.org

**\*Your organization name**

Next Step Fusion

**Contact**

[Contact Form](#)

