Contribution ID: 3af407cb-d23b-4ede-8baf-3b61510813a1
Date: 15/11/2026 18:39:14

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)**

INGENIQS is a Belgian engineering firm. We specialise in precision mechatronics, control and automation, and model-based engineering. We design to specification, which for us means requirements engineering, architecture decomposition, design review gates and V-model verification. Most of our work is co-engineering for semiconductor and high-tech OEMs.

Services and capabilities:

- Precision mechatronics and motion systems. Concept to verified design of positioning stages, actuators and manipulators, including vacuum-compatible and high-precision mechanisms. Relevant to remote handling tools, diagnostics positioning and alignment systems.
- Control and automation. Model-based motion control (from FOC drives to multi-axis systems), PLC and OPC UA integration, and control architectures with traceable requirements.
- Simulation and modelling. Multiphysics models of friction, thermal, structural (FEM) and fluid behaviour, used to predict performance and to analyse sensitivities and design margins.
- Digital twins and machine performance optimisation. Physics-based models calibrated on measurement data to raise availability and throughput, cut energy use, and find the root cause of underperformance in existing equipment.
- Predictive maintenance and health monitoring. Physics-guided neural networks and drive-based signal analysis to monitor the condition of motors, pumps and actuators. The aim is fewer unplanned stops and less hands-on intervention in hard-to-access environments.

Partnership interest
We want to work as an engineering and control partner to larger suppliers and consortia on F4E and ITER work packages.

*** 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)**

- [x] Specific expertise and technologies
- [ ] Specific materials
- [x] 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

3404bac3-c764-4641-bd37-4b080ee175ca/INGENIQS_logo.png

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)

*** Your contact email**

steven.cappa@ingeniqs.be

*** Your organization name**

INGENIQS

*** Your organization VAT number**

BE0802767842

Contact

Contact Form