



Alpha Alliance: 30+ European industrial companies join forces with Proxima Fusion to deliver fusion demonstrator Alpha

Munich, 25.02.2026 – Proxima Fusion today announces the launch of the Alpha Alliance, an industrial consortium bringing together more than 30 leading European and international companies to deliver Alpha, a net-energy-gain fusion demonstrator based on stellarator technology. Alpha is a critical milestone on the path to Europe's first commercial fusion power plant.

Alpha is being developed by Proxima Fusion in collaboration with the Max Planck Institute for Plasma Physics (IPP) and represents the next step in translating Europe's fusion leadership into industrial reality. It will validate the manufacturing methods, materials, and high-performance systems required for future stellarator-based fusion power plants.

The announcement aligns with FusionXInvest:Global, which convenes the world's leading fusion investors in Munich from 25–27 February 2026.

Building industrial readiness for fusion

The Alpha Alliance was formed to ensure industrial delivery of Alpha by coordinating manufacturing, system integration and supply chains. Members contribute capabilities across materials, components, assembly and infrastructure needed to industrialize and scale fusion systems.

For the first time, a broad cross-section of Europe's fusion-relevant industrial ecosystem, complemented by selected international partners, is aligning behind a single, concrete engineering project designed for commercial scaling.

Alpha: a decisive step toward commercial fusion

Anchored around this defined engineering milestone, the Alpha Alliance provides a structured framework to prepare Europe's industrial base for not just delivering Alpha but for deploying fusion at scale. This approach supports targeted investment, shortens learning cycles, and accelerates the build-up of a competitive fusion supply chain.

The construction of Alpha is expected to create several thousand jobs during its build phases and generate a multi-year pipeline of industrial contracts, including in manufacturing, construction, superconducting magnets, power electronics, and power-plant infrastructure.

"With Alpha, fusion enters a phase where industrial execution becomes decisive," said **Francesco Sciortino**, CEO and Co-founder of Proxima Fusion. "The Alpha Alliance brings together

complementary industrial capabilities to ensure that complex fusion systems can be manufactured, integrated, and delivered at scale in Europe.”

A European coalition with global expertise

Members of the Alpha Alliance include: AFRY, Air Liquide, Ampegon, Bilfinger, Daher Logistik, Diamonds Materials, Dockweiler, Eni, ENSA, DWE, Framatome, Fujikura, Kraftanlagen Heidelberg GmbH, Kraftanlagen Energies & Services SE, Kyoto Fusioneering Europe GmbH, Mühlbauer, Pfeiffer Vacuum GmbH, ProBeam, Research Instruments, Rolf Kind, RWE Nuclear GmbH, Siemens Energy, SIMIC, Thales, THEVA Dünnschichttechnik GmbH, TRUMPF, TÜV Rheinland, VIA Electronic, Wälischmiller Engineering GmbH and Walter Tosto.

A full and up-to-date list of members is available at alpha-alliance.org.

“Fusion has become a strategic, industrial race, and Europe enters this phase with world-leading science and a strong industrial base. With Alpha, we are building the bridge from decades of publicly funded fusion research to industrial-scale delivery. The Alpha Alliance reflects a shared commitment by European industry to translate this leadership into industrial delivery. By aligning capabilities across the supply chain, we are creating the conditions to build fusion systems at scale and position Europe at the forefront of bringing fusion power from theory into reality.” – Lucio Milanese, Chief External Affairs Officer and Co-founder of Proxima Fusion

“Air Liquide is proud to contribute more than 20 years of expertise in advanced cryogenics for deep-tech and leading fusion projects worldwide to the Alpha Alliance. Our cutting-edge cryogenic solutions and engineering capabilities provide the critical infrastructure required to enable superconductivity at scale. By applying our industrial know-how, we are helping accelerate fusion’s transition from scientific breakthrough to a sustainable, low-carbon energy source on the grid.” – Philippe Merino, Vice President, Air Liquide Engineering & Technologies

“The future of energy generation requires visionary ideas, scientific pioneering spirit, and components capable of withstanding the most extreme requirements. Proxima Fusion is a prime example of implementing cutting-edge technology in the age of fusion. For the structural support system of Proxima Fusion’s stellarator magnets, Rolf Kind GmbH supplies forged parts made from high-alloyed stainless steels, designed to withstand extreme mechanical loads and magnetic forces at cryogenic temperatures. Projects like Proxima Fusion’s demonstrator Alpha shows how German engineering excellence, scientific precision, and international collaboration can deliver meaningful progress. As a family-owned company with decades of experience in specialty alloys, we see ourselves not merely as a supplier, but as a technology partner and enabler. We thank Proxima Fusion for their trust in our expertise and are excited to be part of this pioneering project to realize sustainable energy technologies.” – Markus Kind, Managing Director, Rolf Kind GmbH

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About Proxima Fusion

[Proxima Fusion](#) spun out of the Max Planck Institute for Plasma Physics (IPP) in 2023 to build fusion power plants using QI-HTS stellarators. Proxima has since assembled a world-class team of engineers, scientists and operators from leading companies and institutions, such as the IPP, MIT, Harvard, SpaceX, Tesla, and McLaren. By taking a simulation-driven approach to engineering that leverages advanced computing and high-temperature superconductors to build on the groundbreaking results of the IPP's W7-X stellarator, Proxima is leading Europe into a new era of clean energy, for good.