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Press release

Technologies

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Bilfinger Noell GmbH
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Partnership agreement signed with Proxima Fusion!

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Proxima Fusion is the first spin-out of the Max Planck Institute for Plasma Physics (IPP) and will develop a high-performance stellarator based on Wendelstein 7-X (W7-X) in the coming years.

Bilfinger Noell was commissioned, among other things, with the production design and construction of the W7-X demonstration coil, as well as the 50 non-planar main field coils.

During a visit by Proxima Fusion at Bilfinger Noell, a letter of partnership was signed with the aim of supporting Proxima with manufacturing know-how, particularly in the areas of superconducting fusion magnets, remote handling and hot cells.

Wolfgang Walter, Division Manager Magnet Technology explains: "The innovative concept of Proxima Fusion using advanced high-temperature superconductors is impressive all along the line. With its previous experience, Bilfinger Noell is the ideal partner to put the stellarator concept of Wendelstein 7-X to industrial use."

Michael Gehring, Head of Business Development and Sales at Magnet Technology says: "In my previous responsibility as consortium project manager for the W7-X coils, I learned about the challenges in the manufacturing technology of complex fusion coils. Bilfinger Noell can make a decisive contribution here."

Roland Pechtl, CEO of Bilfinger Noell: "Supporting efficient and sustainable solutions in the energy sector is our top priority. Fusion energy is essential to ensure a sustainable energy supply."

Jorrit Lion, Co-Founder of Proxima Fusion: "Proxima Fusion plans to realise a first fusion power plant based on a stellarator before the end of the 2030s."

Bilfinger Noell GmbH, based in Würzburg, is a company of Bilfinger SE. It is active worldwide in the product range of nuclear service, nuclear technology and magnet technology, implementing the experience gained over five decades highly successfully. Bilfinger Noell's range of services extends from development, planning, delivery and commissioning to the operation of the supplied facilities and their equipment. The approximately 300 employees work mainly in the engineering sector.



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Francesco Sciortino, Co-Founder & CEO of Proxima Fusion: "Bilfinger Noell convinces with its experience and engineering skills to build complex magnet systems and special machines for fusion. Bilfinger is a strong partner for fusion."

All participants drew a thoroughly positive conclusion and are looking forward to the beginning of a fruitful cooperation.



f.l.t.r. Michael Gehring, Head of Business Development and Sales Magnet Technology Bilfinger Noell, Roland Pechtl, CEO Bilfinger Noell, Jorrit Lion Co-Founder Proxima Fusion and Francesco Sciortino Co-Founder & CEO Proxima Fusion, Wolfgang Walter, Division Manager Magnet Technology Bilfinger Noell and Philipp Revilak, Project Development Magnet Technology Bilfinger Noell.

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