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SuperNode and Mark & Wedell partner to revolutionise renewable energy transmission.

SuperNode, an Irish company developing cutting-edge energy transmission technology based on superconductivity are to purchase a pair of 30 kA current leads from Mark & Wedell. Mark & Wedell will design, develop, and manufacture state-of-the-art current leads for the testing of SuperNode's superconducting cables. This partnership will help push the boundaries of superconductor technology for energy transmission and accelerate the renewable energy transition.

"We are thrilled to announce our partnership with Mark & Wedell to develop innovative solutions in power transmission for the renewable energy transition. We are confident that their support will be instrumental to advance our superconducting technology for high power transmission" said Emiliano Frulloni, CTO of SuperNode.

Torben Ekvall, CEO of Mark & Wedell, continues, *"We are very pleased to partner with SuperNode, who has the vision and commitment to transport renewable power from offshore wind farms to the shore via lossless superconducting cables"*.

SuperNode specialises in the development of innovative energy transmission cables, harnessing the characteristics of superconductive materials. Superconducting cables are capable of transferring very large amounts of power efficiently over long distances in a much smaller surface area than conventional cables. Superconducting cables can also operate at higher currents and therefore lower voltage levels than conventional copper-based cable technology, meaning they require significantly less infrastructure, materials and space and have a smaller environmental footprint. Superconducting cables will be a critical enabling technology for a renewable energy future.

Mark & Wedell, over the past 25 years, has provided current leads with currents ranging from a few hundred amps to 25,000A, to Big Science customers like CERN, GSI, CEA, and INFN. For a couple of years, M&W has pursued a dual-track strategy, supplying, and developing products for the Big Science market while also looking into opportunities outside of Big Science, particularly in the power transmission market. This partnership will be a beachhead into this power market and an excellent demonstrator of our engineering competences.

For further information :

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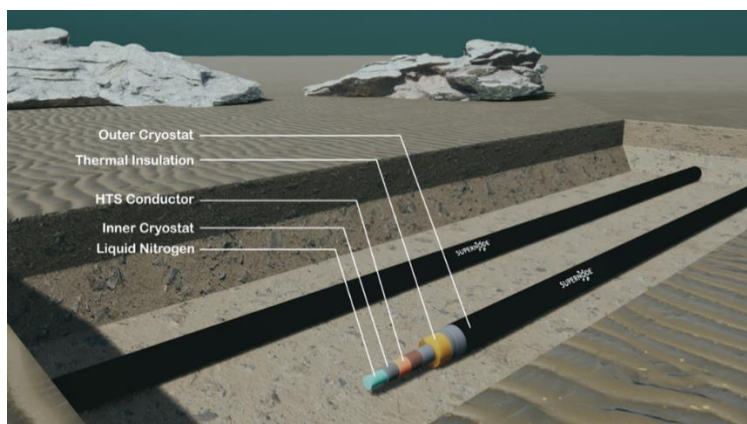
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Example of a pair of Current Leads. Visit M&W: [M&W Big Science](#)



Model of superconducting cables. Visit SuperNode: [SuperNode](#)