



GE welcomes project award for ‘Driving the Electric Revolution’ challenge

- GE and its partners secure a project award under the UK government’s *Supply Chains for Net Zero* initiative, part of the Driving the Electric Revolution challenge.
- GE Power Conversion will work on an innovative electrification solution for space-constrained, high power industrial applications.
- GE will work with partners Dynex Semiconductor, the University of Nottingham and the Warwick Manufacturing Group.

GE Power Conversion welcomes a project award which will further its innovation in power electronics, electrical machines, and drives (PEMD) technologies.

The project, Reducing Footprint and Weight of High Power, Integrated PEMD, focuses on transformative design and novel manufacturing techniques to significantly increase power density of high-power electrification systems. Project lead GE Power Conversion will be supported by partners Dynex Semiconductor, the University of Nottingham, and Warwick Manufacturing Group.

The initiative is co-funded by industry and *Driving the Electric Revolution*, an ISCF Challenge delivered by UK Research and Innovation. The latest phase of the challenge, Supply Chains for Net Zero, focuses on strengthening critical PEMD capabilities that will help to enable industrial decarbonization.

Sectors like maritime, energy, infrastructure and process industries are turning to electrification technologies to meet their need for cleaner operational power and to support the drive towards net zero. Despite their scale, large ships and industrial applications often have significant space constraints that limit integrating new, electric microgrid equipment, like electric motors and advanced power electronics (PE), and new cleaner energy sources.

GE Power Conversion’s Managing Director in the UK, **Andy Cooper** explains: “Through transformative improvements in power density, we can help customers in the transition to electrification and decarbonization. It’s an excellent opportunity for industry’s investment in next generation technologies to be accelerated through UK government support, and for the UK supply chain to continue to be world-recognized for its expertise”.

Work will be carried out at GE’s systems and manufacturing facilities in Rugby, UK, and its dedicated land-based marine test, emulation and innovation facility, MPTF, in Whetstone, UK. Partner facilities include the Power Electronics and Machines Centre at the University of Nottingham, which opened in March 2021.



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About GE Power Conversion

GE Power Conversion applies the science and systems of power conversion to help drive the electric transformation of the world's energy infrastructure. Designing and delivering advanced motor, drive and control technologies that evolve today's industrial processes for a cleaner, more productive future, it serves specialized sectors such as energy, marine, industry and all related services.

www.gepowerconversion.com

About GE

GE (NYSE:GE) drives the world forward by tackling its biggest challenges. By combining world-class engineering with software and analytics, GE helps the world work more efficiently, reliably, and safely. For more than 125 years, GE has invented the future of industry, and today it leads new paradigms in additive manufacturing, materials science, and data analytics. GE people are global, diverse, and dedicated, operating with the highest integrity and passion to fulfil GE's mission and deliver for our customers. www.ge.com

For more information, contact:

Kate Inglis, GE Power Conversion, +44 (0) 7766 991040 kate.inglis@ge.com

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