

NUCLEAR INDUSTRY, HIGHLIGHTS, AND OUR UPCOMING EVENTS

WINDING UP NUCLEAR INSIGHTS FROM PREFORMED WINDINGS

WELCOME

Welcome to the first issue of “Winding Up,” our monthly newsletter dedicated to the world of nuclear energy. At Preformed Windings, nuclear isn't just another sector we serve — it's a key part of our mission to support critical energy infrastructure. This newsletter will share insights into our work within the nuclear industry, our commitment to advancing generator coil and bar technologies, and a round-up of the latest global developments shaping this essential sector.

At Preformed Windings, we've spent over 55 years supporting global power infrastructure through our precision-engineered high-voltage coils and bars. Built on our core values of Partnerships, Quality & Service, we help nuclear operators meet the challenges of a demanding and evolving energy landscape with confidence and precision.



PARTNERSHIPS, QUALITY & SERVICE



Quality: Our patent-pending ultra-low Partial Discharge (PD) manufacturing processes and in-house high-voltage testing ensure coils of the highest durability, safety, and performance.



Partnerships: We collaborate closely with OEMs, utilities, and service providers across the nuclear sector to engineer tailored high-voltage solutions for critical applications.



Service: From R&D and technical design through to scaled production, we deliver a responsive, consultative approach, providing exceptional support to our nuclear clients worldwide.

LATEST INSIGHTS PREFORMED WINDINGS

Member of



Nuclear Industry Association

MEETING GROWING DEMAND WITH INCREASED CAPACITY

The new facility significantly increases our production capacity for nuclear generator coils, enabling us to meet growing demand from our partners and customers worldwide. By expanding our footprint, we can deliver more projects simultaneously, reducing lead times without compromising on quality.



PREFORMED WINDINGS EXPANDS UK OPERATIONS WITH OPENING OF UNIT J TO SUPPORT THE NUCLEAR SECTOR

Preformed Windings is proud to announce the opening of Unit J, a major expansion of our UK manufacturing operations designed to further support the nuclear sector with specialist coil solutions for safety-critical applications.

This investment reflects our ongoing commitment to the nuclear industry, ensuring we continue to deliver the highest quality, precision-engineered coils in line with the most stringent industry requirements.

"The opening of Unit J represents a significant step in strengthening our capacity and capability," said James Stevens, CEO. "We are committed to supporting OEMs, operators, and service providers in meeting the challenges of maintaining and enhancing nuclear generation assets globally."

STRENGTHENING GLOBAL PARTNERSHIPS – NOW PART OF THE NUCLEAR INDUSTRY ASSOCIATION

We continue to work in close collaboration with leading nuclear utilities and service providers, delivering solutions that extend the operational life and enhance the performance of existing infrastructure. These partnerships are vital in supporting the safe and reliable operation of nuclear generation assets. We are also proud to announce that Preformed Windings is now a member of the Nuclear Industry Association (NIA), further strengthening our commitment to the nuclear sector and its future.



ENHANCED TESTING CAPABILITIES

Unit J also houses expanded in-house testing facilities, allowing for more rigorous and efficient validation of our coils. This investment helps reduce project turnaround times and enhances our ability to deliver on complex, time-critical projects.

COMMITTED TO THE FUTURE OF NUCLEAR

The opening of Unit J is more than an expansion — it is a statement of intent. As the nuclear sector continues to evolve, Preformed Windings remains dedicated to providing innovative, dependable solutions that keep essential assets operating safely and efficiently.



PREFORMED WINDINGS ACHIEVES ISO 45001 CERTIFICATION

We are proud to announce that Preformed Windings has successfully achieved ISO 45001 certification, the internationally recognised standard for Occupational Health and Safety Management Systems.

This milestone reflects our commitment to protecting and enhancing the health, safety, and wellbeing of our team, while continuing to drive operational excellence across our business.

By adopting ISO 45001, we are not only improving safety in the workplace but also strengthening our ability to manage risk effectively and boost productivity.

NUCLEAR GLOBAL POLICY & INVESTMENT SHIFTS

WORLD BANK REVERSES BAN ON NUCLEAR FINANCING

In a landmark policy shift last month, the World Bank lifted its long-standing prohibition on funding nuclear energy projects. Going forward, it will finance both extensions of existing reactors and the development of SMRs (small modular reactors) to support booming demand for low-carbon power across developing nations.

[Read More](#)

U.S. REGULATORY & LEGISLATIVE SUPPORT ACCELERATES

In June 2025, the U.S. Nuclear Regulatory Commission (NRC) adopted sweeping reforms to expedite licensing for advanced reactor companies, aligning with executive orders aimed at streamlining approvals and catalysing deployment.

[Ignition News - Read More](#)

Earlier, President Trump issued Executive Orders to accelerate advanced reactor development at military and brownfield sites, boosting support for microreactors and SMRs on federal lands.

[American Nuclear Society - Ignition News - Read More](#)

Additionally, the ADVANCE Act was implemented to fast-track licensing, reduce fees, and support exports while limiting reliance on Russian and Chinese nuclear supply chains.

[Wikipedia](#)

NORTH AMERICA & SMR/MICROREACTOR DEPLOYMENT

TERRAPOWER'S NATRIUM REACTOR ADVANCING

TerraPower's 345 MWe Natrium prototype—featuring sodium cooling, thermal storage, and a peak boost to 500 MWe—has cleared key administrative milestones. A permit from Wyoming approved non-nuclear site work, and the NRC has issued a draft safety evaluation for construction.

[World Nuclear Industry Status Report - Read More](#)

U.S. DEPARTMENT OF DEFENCE BACKS MICROREACTORS

Eight companies were selected for DOD funding under its Advanced Nuclear Power for Installations initiative to design, license, build, and operate microreactors on military bases.

[American Nuclear Society - Read More](#)

CANADA TAPS CANDU FOR U.S. MARKET ENTRY

AtkinsRéalis Group in Canada is preparing to market its Candu heavy-water reactor technology in the U.S., in response to U.S. policy favoring alternatives to Westinghouse and seeking enriched uranium independence.

[Financial Times - Read More](#)

INDIA EMBRACES SMRS AND THORIUM/NUCLEAR FUEL STRATEGY

India is expanding its domestic nuclear infrastructure—deploying PHWRs and advancing thorium-based systems—to meet electricity growth and decarbonisation targets, with growing international collaborations.

[The Economic Times - Read More](#)

NTPC has engaged Accenture to assess feasibility of installing SMRs at its decommissioned thermal power sites.

[Wikipedia](#)

UK & EUROPE DEVELOPMENTS



NEWCLEO'S FRANCE & SLOVAKIA JV FOR LFR REACTORS

Newcleo—a Franco-Italian nuclear startup—is advancing its lead-cooled fast reactor (LFR) technology. In January, it signed joint-venture agreements with Slovak firms JAVYS and VUJE to build up to four 200 MWe LFR-AS-200 reactors and establish a recycled fuel supply chain. In February, it began land acquisition for a 30 MWe demonstrator in France, targeting operation by 2031.

[Wikipedia](#)

SIZEWELL C GREENLIT WITH £14.2BN PUBLIC INVESTMENT

On 10 June 2025, the UK government confirmed £14.2 billion in capital for the Sizewell C project. Together with EDF's £1.1bn commitment, this project aims to deliver 3.2 GW—enough for six million homes—and create approximately 10,000 jobs. Final Investment Decision remains pending for private capital.

[Wikipedia](#)

UK-U.S. COLLABORATION ON SMRS ACCELERATING

Prime Minister Keir Starmer reaffirmed the UK's plan to collaborate with the U.S. on SMR development. The UK already committed £2.5 billion to Rolls-Royce to develop domestic SMRs, seeking to replicate the UK's nuclear resurgence model.

[Reuters](#)





OUTLOOK & INDUSTRY TRENDS



OUTLOOK REPORT 2025 RELEASED

World Nuclear Association published its Outlook Report 2025 on 29 July, offering up-to-date data on global reactor capacity and growth pipelines. (The full report details generation trends and the status of reactors under construction.)

[World Nuclear Association](#)

STATE-OF-INDUSTRY: EMERGING NUCLEAR NATIONS

The U.S. Nuclear Energy Institute's State of the Industry 2025 report highlighted that countries like Bulgaria, Romania, India, and Italy are progressing or returning to nuclear plans—with Italy passing new legislation after closing its last plant in 1990s.

[Nuclear Energy Institute](#)

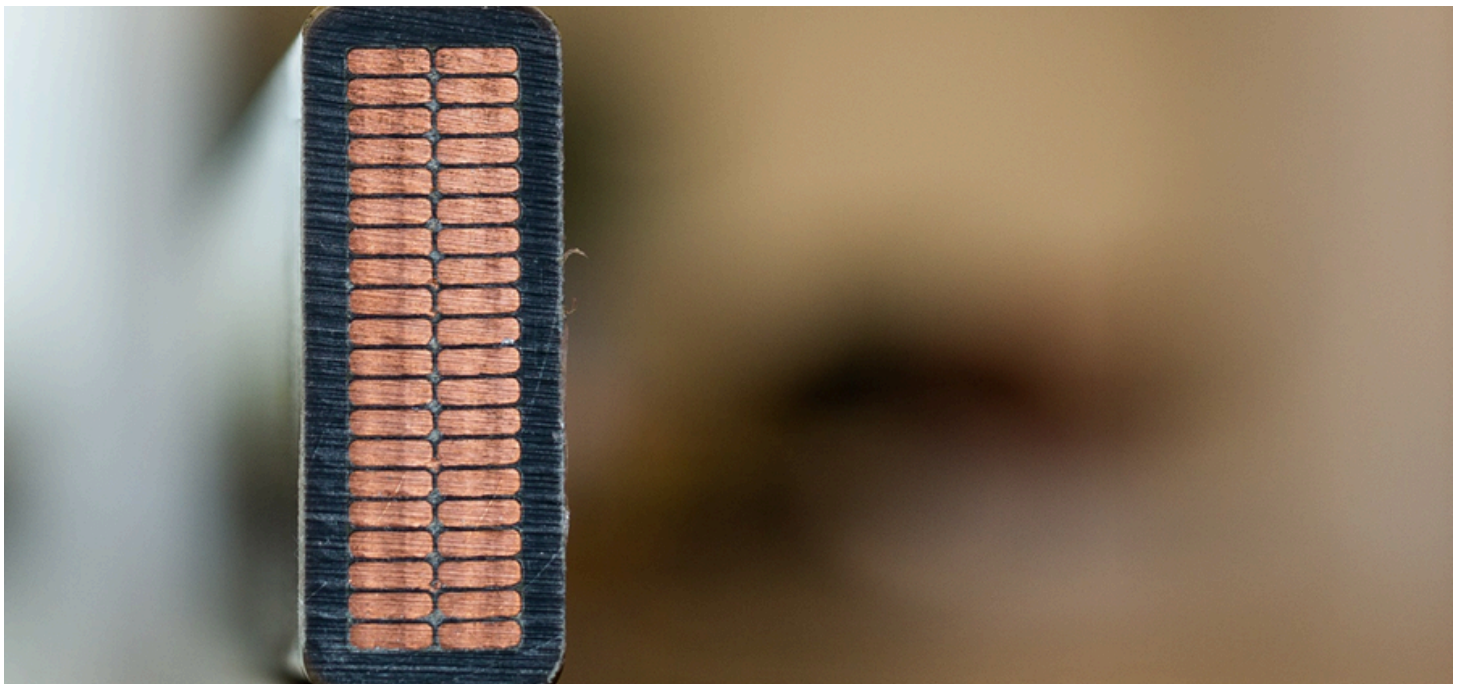


PREFORMED WINDINGS: POWERING PRECISION IN THE GRID TRANSITION

AT PREFORMED WINDINGS, WE DELIVER:

- High-voltage coils and bars for nuclear projects.
- Ultra-low PD engineering and UK-based in-house HV testing, eliminating reliance on overseas testing.
- Training & educational pipelines via partnerships with UTC Sheffield and Sheffield Hallam University.

These capabilities position us as a trusted partner for global OEMs and utilities deploying grid-scale, firm renewable infrastructure.



MEET THE PFW TEAM WE WILL BE ATTENDING

UPCOMING EVENTS

World Nuclear Symposium – “Energizing the Future Now”

3–5 September 2025 – Royal Lancaster, London

Canada–UK Nuclear Day

3 September 2025 – London

NIA International Group

8–9 October 2025 – London

NIA’s Nuclear 2025 Conference & Dinner

4 December 2025 – London

If you would like to carry the conversations on about Nuclear, we are here to, please don’t hesitate to reach out and book a call today

Plus, don’t forget to follow us today on LinkedIn for further updates.



**SCAN HERE TO BOOK
A MEETING**

