
THIS IS EXPORT. **THIS IS WALES.**

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WORLD NUCLEAR EXHIBITION (WNE) 2023, PARIS, FRANCE

Export Market Visit

28–30 November 2023

tradeandinvest.wales





This is Export.
This is Wales.

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Pierhead, Senedd and
Wales Millennium Centre, Cardiff Bay

Wales is a self-governing constituent country of the UK and the Welsh Government is the devolved Government for Wales.

Devolved since 1999, the Welsh Government's decision-making powers within a small and joined-up country mean we can cut red-tape and act fast.

They also mean we are responsible for our own economic development, working with business to create a prosperous, green and equal economy.

Wales has a strong industrial heritage that has shaped our confident, creative and ambitious economy of today. We have strength in depth in advanced manufacturing, creative industries, energy and environment, financial and professional services, food and drink, life sciences, and technology.

Our commitment to sell Wales to the world has never been more focussed and this mission provides an ideal platform for us to build on established links and discuss future export opportunities.

Wales means business.



Trawsfynydd Nuclear Power Station,
Trawsfynydd

This is Nuclear. This is Wales.

Trawsfynydd was among the first of the Magnox-fuelled stations to be built, becoming operational in 1965 and operating for 26 years until 1991.

Wylfa was the largest and last of the Magnox fleet to become operational in 1971 and was also the last to come offline in 2015 after 44 years of continuous service.

Nuclear supports high-quality, well-paid jobs within the supply chain and Welsh companies have benefited from opportunities within the sector. Numerous companies that have historically worked on both the Wylfa and Trawsfynydd sites are now working on nuclear contracts throughout the UK and overseas.

Wales Nuclear Forum was established to bring the supply chain together and collaborate on UK and world-wide opportunities.

Welsh Government believes that new nuclear developments at Wylfa and/or Trawsfynydd can be game-changers for the North Wales economy. It has already taken steps to realise the sector's potential at Trawsfynydd and the establishment of Cwmni Eginio is a practical example of its commitment. Cwmni Eginio aims to create sustainable job opportunities and promote economic and social regeneration by working collaboratively to drive future development at the former nuclear power station site.



Wylfa Nuclear Power Station
Anglesey

The **Wales Nuclear Forum (WNF)** is the leading member based pan-Wales nuclear forum, with over 80 members, which WNF provides a platform for strategic engagement between the nuclear energy industry and Wales based suppliers and partners.



The WNF is a strategic group, overseen by the WNF Board, all working within the nuclear sector, that promotes the services and products of its' member companies and partners.

It provides a key voice within and across the Wales based nuclear industry, key partners and stakeholders, collaborating with many major nuclear networks, such as the UK Nuclear Industry Association, Nuclear Institute, Women in Nuclear and North West Nuclear Arc.



Sasha Davies
Director and Chair

+44 (0)7717 574 313
sasha@sashawynn.co.uk

Gareth Davies
Director

+44 (0)7764 197 732
gareth.davies@
daviesnuclear.co.uk

walesnuclearforum.com

Since 1981 **Flamgard Calidair** has gained worldwide reputation for the excellence of designing and manufacturing high integrity HVAC Dampers to the global Nuclear, oil & gas, marine, tunnel and metro, power generation, Industrial and emerging renewable sectors.



All products manufactured by Flamgard Calidair are compliant with rigorous global testing and are certified to the highest international standards.

Halton acquired Flamgard Calidair in Jan 2023, with plans to supporting customers globally through the wider Halton network.

Product/Service

Designing and manufacturing extensive range of HVAC equipment to include:

- Fire Dampers
- Shut off/isolation Dampers
- Zero leakage total isolation Dampers
- Blast Dampers
- Pressure Relief & Non Return Dampers
- Intelligent volume control/constant volume Dampers
- Moisture and Salt Eliminators
- Sand Trap Louvres
- Tunnel Dampers
- High Temperature Isolation Dampers
- Bespoke customer specific Dampers

Objectives

Flamgard Calidair is looking to meet with key customers and develop its business across the globe.



Shuresh Maran
Segment Director

+44 (0)7384 253 278
shuresh.maran@halton.com



Lee Bramald
Business Development Executive

+44 (0)7989 691 341
leebramald@flamgard.co.uk

<https://flamgard.halton.com/>

Mike Waite Nuclear Consulting can leverage years of prior international nuclear newbuild market experience with Westinghouse, to provide independent consultancy services to vendors, stakeholders and government organisations.



Product/Service

Market Intelligence: Expert commentary, analysis and insights on global nuclear newbuild markets and available technologies, using years of first-hand experience across Europe, Middle East, South East Asia, Americas and Africa.

Introductions: In-country accompanied visits, with introductions to key nuclear project stakeholders including C-suite and Ministry personnel, leveraging over 14 years of market development and relationship-building experience.

Program Support: Consultation, benchmarking and constructive challenge to nuclear newbuild program development, procurement, delivery and funding, drawing on global consultation/request-for-information engagements.

Objectives

WNE will provide the opportunity to meet with long-standing, nuclear-sector colleagues from around the world and forge strategic new relationships with nuclear stakeholders and clients.



Mike Waite
Managing Director

+44 (0)7440 105 111
mike.waite@mwnc.co.uk

<https://mwnc.co.uk>

From company formation in 2005, **Mona Lifting** has been closely associated with the nuclear industry.



Their experience and expertise in bespoke lifting and materials handling equipment, and the design and installation of specialist cranes, have allowed them to work with partners in the nuclear industry across the United Kingdom and Europe. Mona Lifting work to exacting quality and safety standards and can engage directly with power station operators as well as providing expert consultancy and manufacturing to principal contractors and other stakeholders. The company occupies a custom-built manufacturing facility with modern plant items including a heated and filtered spray booth, an abrasive blast cleaning room, an engineering workshop with overhead crane coverage and extensive yard facilities. Their success is based on sound principles of quality service, quality products and safety; and their ability to find practical and affordable solutions to difficult engineering problems. Their reputation for being pro-active, flexible, and reliable has ensured steady and sustainable growth, and the forging of several delivery partnerships within the nuclear industry. A leading project integrator, providing specialist engineering, manufacturing, and technical services. Mona Lifting provides decommissioning solutions and remote handling equipment to the international nuclear sector. Through a unique breadth of in-house experience, capability, and strong supply chain, they deliver safe and

practical solutions to assist in the decommissioning of the nuclear legacy.

Product/Service

- Overhead Travelling Cranes
 - Jib Cranes
 - Gantry Systems
 - Automated Cranes
 - Material Handling Equipment
 - Nuclear Engineering
 - Mechanical Engineering
-

Objectives

To meet existing colleagues in the nuclear industry and to meet new contacts with a view to developing future relationships.

Robin Evans
Engineering Director

+44 (0)7748 594 849
rwe@monagroup.wales

www.monagroup.wales

Creating secure environments, **Securiclad** provides an effective modular panel system with Government approved protection for high-risk areas.



Securiclad works across a broad spectrum of sectors, specialising in data centres, Government infrastructure, airports, healthcare facilities, universities, banks, cargo facilities, nuclear facilities and private residential clients, all requiring a security solution for high value assets ranging from currencies, hazardous materials, pharmaceutical products, IT infrastructure and much more.

With over four decades of technical experience, quality assurance and innovation, Securiclad's team of experts advise and guide customers through the purchase from design and project management to the installation process.

Having worked alongside contractors of all sizes on sites around the globe, Securiclad ensures project alignment, quality products and a precise certified installation which is recognised as an industry leading security solution.

Product/Service

Securiclad panels are insulated modular panels designed with an anti-cutting core certified to LPS1175 standards SR2-SR5 and NPSA. Securiclad panels can be tailored in thickness and anti-cutting core depending on the level of asset protection required.

The panel is made up layers of galvanised steel and plywood surrounded by a core of either stone wool for fire-rated applications or PIR for thermally and acoustic efficient applications.

Objectives

- To establish a presence in Nuclear market
- To make contacts with security experts, contractors, clients and installation companies in the sector
- To engage with the Nuclear Sector for potential opportunities



Neil Kirkpatrick
Commercial Manager

+44 (0)7716 639 006
neil.kirkpatrick@securiclad.co.uk

www.securiclad.co.uk

Founded in 1927, **Teddington** design and manufacture Bellows/Expansion Joints, lodging a patent for one of the original bellows designs in 1928.



Teddington is a World Leader, powering both Civil & Defence Nuclear since 1954, including Calder Hall, the world's first nuclear power plant at Sellafield, HMS Dreadnought (S101), the UK's first nuclear powered Submarine, Trawsfynydd, the first Nuclear Power Plant built in Wales and have been exporting around the world since 1971.

Teddington has supplied all UK sites over many years. In addition to the UK, our bellows technologies have been supplied globally to countries such as France, Germany, Finland, China, South Korea, India, USA as well as Canada. We also have a long history with EDF and are Rolls-Royce nuclear GE Nuclear & F4N approved.

For 95 years Teddington has been a world leader and is recognised as such being members of the Expansion Joint Manufacturers Association (EJMA). This code is followed by all bellows/expansion joint manufacturers and it is our role to help develop all future revisions to the code.

Product/Service

- Metallic expansion joints/bellows
- Rubber bellows
- Fabric bellows
- PTFE bellows and flexible hoses.
- Nuclear valve seal bellows
- Balance of plant pipework bellows
- Steam generator bellows

- Large scale turbines crossover pipework assemblies for hot & cold reheat

Objectives

Teddington's objectives will be to continue the enhancement and reputation within the sector and to discuss future projects with key customers. Teddington will also be discussing technical and commercial requirements with key customers relating to current contracts. Finally, Teddington will of course be open to meet with many potential new customers to help forge relations for future business.



Jason Thomas
Chief Commercial Officer

+44 (0)1554 744 532
jason.thomas@tes.uk.com

www.tes.uk.com

Tension Control Bolts (TCB) is a world leading supplier of high strength, grade 10.9 System HRC/TCB bolting assemblies. These are safety critical fasteners used across numerous steel applications and the business has a long history of selling into the nuclear industry.



Our advanced, eco-friendly coating Greenkote® offers exceptional corrosion protection which ensures the best in long-term bolting performance. Greenkote® TCBs have been supplied to many nuclear sites including – Chernobyl New Safe Confinement, Sellafield, Dounreay, Hinkley Point C, ITER, Sizewell B.

Due to an established reputation for quality TCB is the first choice for engineers who need the highest standard in bolting integrity.

Product/Service

TCB supplies pc10.9 TCB bolts along with the associated shear wrench installation tools. These fasteners are at the cutting edge of preloaded bolting technology and represent a leap forward compared to traditional methods.

Objectives

TCB would like to raise our profile in the nuclear sector. If we could have 15 good conversations with senior consulting engineers, technical and quality assurance managers that would

be deemed successful. The sales cycle for nuclear projects can be 5 years so we are not looking to close deals in Paris, rather to open doors especially in the French nuclear sector. Its products are absolutely suitable for turbine halls, cooling towers, catenary towers, steel silos, mini and niche applications in ancillary steel. TCB are particularly interested in engaging with the wider steel industry servicing French nuclear.



Arnie Glausiusz
Sales Manager

+44 (0)1978 661 122
info@tcbolts.com

tcbolts.com

Vessco Engineering designs and manufactures pressure vessels, heat exchangers, columns, tanks, skid packages and specialist fabrications.



Our factory in Bridgend covers over 50,000 sq. ft., we are a supplier to the civil nuclear sector in the UK, France and North America. We have manufactured vessels ranging from small heaters weighing just 200kg right up to just about the very largest pressure vessels in the sector, including a 330 tonnes deaerator vessel and a double skinned nuclear waste bowser.

Product/Service

- Nuclear – new build.
- Nuclear – decommissioning
- Nuclear – fusion sector
- Nuclear – defence
- Nuclear – academia/universities

Major customers include:

- GE Steam Products
- Balfour Beatty
- Ovivo UK
- Sellafield
- UKAEA
- ITER
- Rolls-Royce plc
- Bangor University Nuclear Futures Institute

Codes:

- RCC-M
- ASME VIII Div I, II & III
- EN13445
- CODAP

Objectives

To meet existing and potential new customers, suppliers and industry influencers.



Julian Vance-Daniel
Director

+44 (0)1656 750 262
+44 (0)7967 495 677
julianvance@vessco.co.uk

Edgar Rayner
Group Managing Director

+44 (0)7891 605 102
edgararrayner@vessco.co.uk

www.vesscoengineering.co.uk

Find out what Wales can do for your business:

Tel: +44 (0) 3000 603000

Web: tradeandinvest.wales

Linked-In: [linkedin.com/showcase/trade-&-invest-wales](https://www.linkedin.com/showcase/trade-&-invest-wales)

Facebook: [facebook.com/InvestWales](https://www.facebook.com/InvestWales)

Instagram: [@InvestWales](https://www.instagram.com/InvestWales)

X: [@InvestWales](https://twitter.com/InvestWales)

Wyn Roberts

Head of Nuclear

+44 (0)7769 883 236

wyn.roberts@gov.wales

Richard James

Nuclear Business Manager

+44 (0)7796 991 279

richard.james@gov.wales

Tony Godfrey

Senior Business Development Manager

+44 (0)7789 615 806

tony.godfrey@gov.wales



