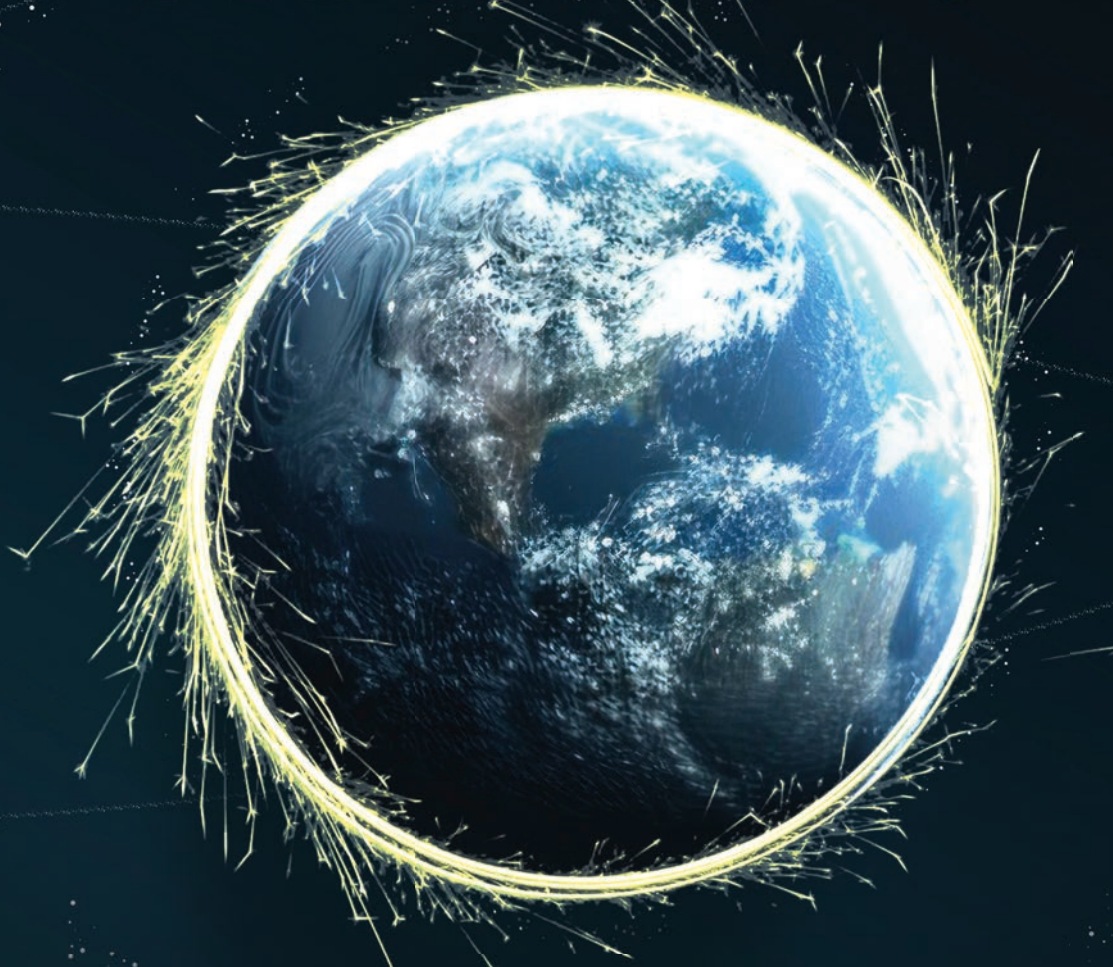




3. SEPTEMBER 2024

Navigating the Future of Small Modular Reactors



Partner

TERRA
PRAXIS

Reception Sponsor



HITACHI

Roundtable Sponsor



Host



HERBERT
SMITH
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ORGANISER

New Nuclear
Watch Institute

NNWI IS AN INDUSTRY SUPPORTED THINK-TANK, FOCUSED ON THE INTERNATIONAL DEVELOPMENT OF NUCLEAR ENERGY AS A MEANS FOR GOVERNMENTS TO SAFEGUARD THEIR COUNTRY'S LONG-TERM SUSTAINABLE ENERGY NEEDS.

We strongly believe that nuclear power is without which the binding Paris Climate Agreement objectives cannot be achieved and is therefore an essential part of the global solution to the challenge of climate change.

We believe that the right way to secure widespread recognition of the benefits of nuclear energy is to encourage the widest possible and best-informed debate about energy and climate change. This debate should highlight the benefits of nuclear power and its far-reaching applications that go far wider than simply the provision of low carbon electricity to tackle climate change. They include decarbonising transport, heating and industrial applications while continuing bringing high value solutions in agriculture and medicine.

In pursuit of this goal NNWI organises a range of events in the UK, the EU and further afield. Some of these are invitation-only private round-table discussions with industry leaders, policy makers and opinion formers. On other occasions we speak out publicly at conferences, seminars and in the media.



WELCOME ADDRESS

NAVIGATING THE FUTURE OF SMALL MODULAR REACTORS

Completing the Clean Energy Transition is now **the most urgent task** facing the world. If climate change is not halted very soon then increasing parts of our **planet will become uninhabitable by humans.**

To prevent this, increased investment in renewables, carbon capture, energy efficiency and electricity storage are all needed. But on their own they will not be enough. Nuclear energy therefore has an essential role to play. The good news is that the governments of more and more countries recognise this.

The development of SMRs will extend the benefit of nuclear power to billions of people around the world who previously been denied it. Their smaller size and greater flexibility will enable their deployment in remote locations which are inaccessible for large plants and among communities whose population is too small for big reactors to be viable.

The lower electricity generation capacity of SMRs, typically 300 MW or less compared with 1 GW or more for traditional reactors, will simplify grid connection. Modular construction in off-site factories should facilitate safety inspection of components and reduce build times.

Another potential advantage of SMRs is lower costs but this will only be achieved when they are rolled out at scale. Advanced generation IV SMRs may face delays caused by complex licensing, supply chain and fuel supply issues.

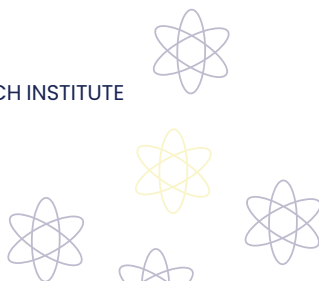
In addition to tackling these and other non-technical issues such as the cost of capital and the provision of demand side subsidies, Governments must minimise the delays which may otherwise counter the savings derived from innovation driven technology improvements.

On 3 September NNWI will join Terra Praxis whose outstanding record of innovation and design of scalable solutions is an excellent example, at a Roundtable in London attended by representatives of both the nuclear industry and government.



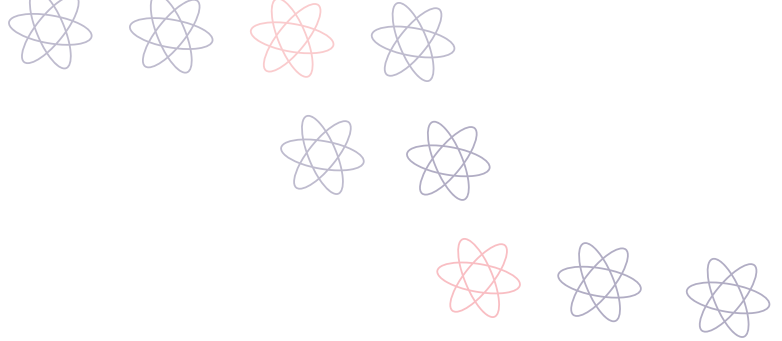
Tim Yeo
Chairman

NEW NUCLEAR WATCH INSTITUTE





HERBERT
SMITH
FREEHILLS



HOST

Herbert Smith
Freehills LLP

Herbert Smith Freehills is one of the world's leading international law firms with a stellar reputation across energy and infrastructure. We are one of a very small number of firms with proven capability to advise on the full range of issues that can arise in a nuclear new build project.

We understand the UK nuclear industry, its regulation and revenue support structures, with deep experience from projects like Hinkley Point C, Sizewell C and Thames Tideway Tunnel (the forerunner of the RAB based revenue model). Outside the UK, we have advised on nuclear projects in Abu Dhabi, Canada, Finland, France, Hungary, Jordan, Lithuania, Poland, Romania, Russia and Turkey.



PAUL BUTCHER
DIRECTOR OF PUBLIC POLICY
HERBERT SMITH FREEHILLS LLP

Paul helps clients anticipate, influence and navigate the public policy context in which they operate.

Paul has been a commercial lawyer with the firm since 2001, working with government, regulators and private sector clients on some of the most complex areas of public policy, including the design and implementation of new regulatory regimes and associated projects, public sector transformations and innovative service delivery models as well as major infrastructure projects. He has particular nuclear sector expertise.

Paul provides legal and strategic advice to clients to assist their engagement with policymakers and navigate political and legislative hurdles.

WELCOME ADDRESS

Herbert Smith Freehills is **delighted to host** another New Nuclear Watch Institute event – **Navigating the Future of Small Modular Reactors (SMRs)**.

We are at a critical juncture for global nuclear. The urgency for Net Zero by 2050 is driving decision-makers to acknowledge new nuclear's role in balancing strategic autonomy, low carbon emissions and economic growth. This was highlighted at COP28, where 22 world leaders committed to **tripling nuclear energy by 2050**.

THE ARGUMENT FOR NEW NUCLEAR'S CONTRIBUTION TO THE 2050 NET ZERO GOAL IS PERSUASIVE:

RAPID ENERGY TRANSITION

Post the 1973 oil crisis, France constructed about 60 nuclear reactors (55GW) from 1977 – 1996, showcasing nuclear's potential for swift transition.


EXCEPTIONAL ESG CREDENTIALS

Nuclear has the **lowest lifecycle carbon emissions** and the **least fatalities per unit** except possibly solar. It also uses the **least land** and has amongst the **smallest ecosystem impacts** and **usage of materials such as concrete and metals**.

ENERGY SECURITY AND SYSTEM RESILIENCE

Nuclear can play a key role in low-carbon energy security and system resilience, complementing intermittent renewables.

UK IS WELL PLACED – WITH SMRS DUE TO PLAY A KEY ROLE



The UK is well positioned within any global renaissance, with SMRs poised to play a significant role. While we await the new Labour Government's detailed plans, their support for Sizewell C and the SMR programme is clear.

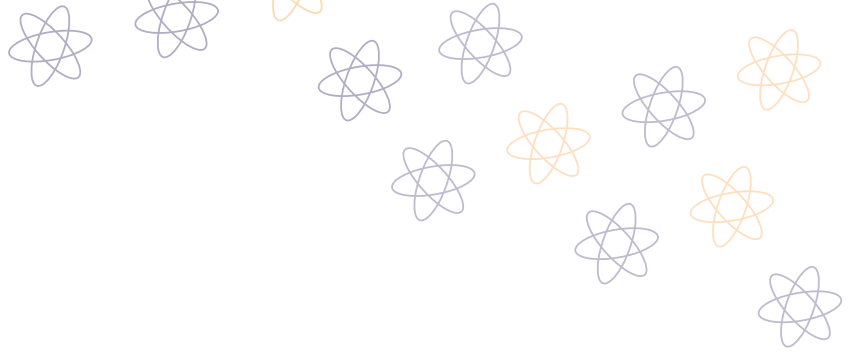
SMRs offer a chance to transform nuclear power stations into scalable products. The move towards station-wide modularisation, not just reactors, aims to expedite fleet commissioning. "Nth of a Kind" projects promise value for money and a highly skilled workforce.

The new government has already identified challenges, including the UK's planning system for major infrastructure projects.

We look forward to exploring these topics and more during our event.

Herbert Smith Freehills LLP

TERRA
PRAXIS



PARTNER

Terra
Praxis

LAUNCHED IN 2021

TERRA PRAXIS IS A GLOBAL NONPROFIT ORGANIZATION COMMITTED TO UNIVERSAL ACCESS TO AFFORDABLE, RELIABLE, AND CLEAN ENERGY THAT EMPOWERS PEOPLE AND PROTECTS NATURE.

Powered by philanthropy, we innovate and accelerate scalable, equitable solutions to decarbonize the largest sources of global emissions (the difficult-to-decarbonize sectors of coal-for-power, industrial heat, aviation, and heavy transport).

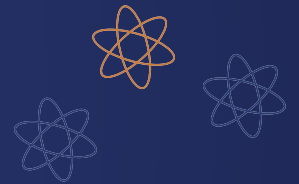
A large, stylized orange globe is positioned in the background, partially obscured by a dark blue text box. The globe shows the continents of North and South America.

The Terra Praxis REPOWER Consortium is executing an integrated strategy to deploy fast, low-cost, and repeatable solutions for repurposing existing coal plants and other energy intensive infrastructure (e.g., data centers, steel, cement, aviation, shipping) to continue operating with emissions-free power, heat, and steam supplied by mass-manufactured advanced nuclear.

REPOWER leverages existing sites, transmission, industry knowledge, workforces, capital, and supply chains to supply clean, reliable, and affordable energy and produce emissions-free fuel. It has the potential to eliminate one-third of global carbon emissions while ensuring continuity for communities reliant on power plants for energy, jobs, tax revenue, and continued economic growth.

WELCOME ADDRESS

Despite progress in scaling up renewable energy technologies, carbon **emissions continue to rise** due to increasing global energy demand for reliable power, heat, and fuel from both emerging economies and industrial sectors like steel, cement, chemical, data centers, aviation, and shipping. Even if current government and corporate commitments are met, which is unlikely, the **energy mix in 2050** will still be dominated by fossil fuels—putting the world on a path to **3 – 4°C of warming**. Furthermore, the world will likely **need more energy in 2050 than projected**, as current mainstream projections do not adequately account for growing energy demand in developing countries and growth industries.



The demand for clean energy is huge.

Industrial energy users have made commitments to decarbonize hundreds of gigawatts of onsite and distributed energy applications starting in 2030, and investment decisions are being made now. This demand cannot be met by renewable energy alone. This demand also cannot be met with specialized, complicated, and expensive energy services that take years to license and construct and do not have access to mainstream finance. In other words, this is not demand for today's nuclear energy. A few discrete innovations in design, manufacturing, licensing, and deployment could radically transform nuclear energy and enable it to meet global demand at the speed, scale, and costs required to achieve global decarbonization targets.

Advanced nuclear energy has the capacity to provide emissions-free, dependable electricity and heat worldwide. The recent pledge made by over 22 countries at COP28 to triple the global nuclear capacity by 2050 is an unprecedented development but the amount of energy this will generate is equivalent to the amount required by the iron and steel industry alone. Sixty-five countries, representing a population of 6.7 billion people, are embarking, expanding, or committing to nuclear energy to reduce their reliance on coal and meet their economic growth targets. However, the traditional nuclear deployment process is slow and costly, with each project being custom-built. Permitting and pre-development procedures for these bespoke projects consume years and incur expenses exceeding hundreds of millions of dollars before project viability is even determined. The substantial uncertainty with respect to cost and timing curtails significant investment and a viable market.

Terra Praxis



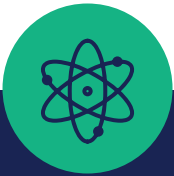
ROUNDTABLE

SPONSOR

Holtec
Britain



HOLTEC BRITAIN HAS BEEN WORKING IN THE UK NUCLEAR INDUSTRY FOR OVER 10 YEARS, AND IS A SUBSIDIARY OF HOLTEC INTERNATIONAL, THE US'S LARGEST EXPORTER OF CAPITAL NUCLEAR COMPONENTS.



30 YEARS OF UK NUCLEAR DELIVERY EXPERIENCE



THE FIRST SMR-300 PROJECT



COMPLETED STEP 1 OF THE GENERIC DESIGN ASSESSMENT FOR THE SMR-300

Holtec has **over 30 years** of UK nuclear delivery experience and is working at pace to deliver **the first SMR-300** project at the Palisades site in Michigan. Holtec Britain has recently **completed Step 1** of the **Generic Design Assessment for the SMR-300** having established its own engineering team to deliver the GDA at its newly opened HQ in Bristol. Out business also includes **decommissioning services** and spent **fuel management**.



WELCOME ADDRESS

We welcome you to today's NNWI event 'Navigating the Future of Small Modular Reactors'. Holtec is proud to have **begun development of our SMR-300** over 10 years ago with the objective of reaffirming nuclear power as a primary **source of safe, carbon-free energy to power modern economies**. Holtec's SMR-300 is based on proven **PWR reactor technology** and traditional **PWR fuel** in use today.

Holtec Britain has been working in the UK nuclear industry for over 10 years, and is a subsidiary of Holtec International, the US's largest exporter of capital nuclear components. Holtec has over 30 years of UK nuclear delivery experience, working across UK and global nuclear markets and is working at pace to deliver the first SMR-300 project at the Palisades site in Michigan. Holtec Britain has recently completed Step 1 of the UK's Generic Design Assessment process for the SMR-300. Supported by a £60m investment (£30m of which was awarded from the UK's Future Nuclear Enabling Fund award last year), Holtec Britain has now more than tripled in size having established its own engineering team to deliver the GDA.

To deploy SMR-300, Holtec Britain has partnered with world class organisations including Hyundai E&C, who have constructed 18 out of 30 NPPs in South Korea and the UAE's Barakah Nuclear Power Plant (as part of a Korean Consortium). Holtec's plan for the UK includes the establishment of a heavy manufacturing plant to build SMR-300 components mirroring the Company's existing factories in the United States. If successful, the team will deploy a fleet of 5 to 10 GW of SMR-300 technology in the UK by 2050.

We look forward to the exciting opportunities ahead for SMRs and the key role of nuclear energy has in achieving global net-zero greenhouse gas emissions by 2050, keeping the 1.5-degree goal within reach.

Holtec Britain



HITACHI

RECEPTION

SPONSOR

GE Hitachi
Nuclear Energy

GE VERNOVA'S NUCLEAR ENERGY BUSINESS, GE HITACHI NUCLEAR ENERGY (GEH), IS A WORLD-LEADING PROVIDER OF NUCLEAR FUEL, SERVICES, AND ADVANCED NUCLEAR REACTOR DESIGNS.

The alliance with Hitachi combines GE's design expertise and history of delivering reactors, fuel and services with Hitachi's proven experience in advanced modular construction.



LEAD THE ENERGY TRANSITION

GE Vernova is a purpose-built global energy company that includes Power, Wind, and Electrification segments and is supported by its accelerator businesses. Building on over 130 years of experience tackling the world's challenges, GE Vernova is uniquely positioned to help lead the energy transition by continuing to electrify the world while simultaneously working to decarbonize it.

OVER
130
YEARS OF
EXPERIENCE





WELCOME ADDRESS

GE Hitachi is honoured to be sponsoring the New Nuclear Watch Institute's 2024 Evening Reception focused on Navigating the Future of Small Modular Reactors (SMRs).

As the world continues to decarbonise the energy sector and strives to reach net zero, producing dependable, cleaner power is a global priority. Nuclear energy is one of the most reliable sources of carbon-free power generation, providing around-the-clock energy supply without interruption. It therefore plays a crucial role in the clean energy landscape and is a critical pillar in the transition towards a carbon-free future.

As countries of all sizes look to integrate nuclear power into their energy mix, SMRs present an exciting solution. Modular by design, these reactors offer a flexible, reliable, cost-effective and scalable solution with the potential to accelerate the net zero transition. Faced with the urgency of the climate challenge, it is therefore crucial that nuclear remains at the forefront of the conversation as we navigate forward.

Our nuclear business has been at the forefront of innovation in nuclear power generation since the mid-1950s, providing leading technology and services to our customers since the industry's early days. Most recently, GEH has developed an industry leading SMR, the BWRX-300. This is a cost-competitive, 10th generation boiling water reactor based on proven technology and powered by today's commercially available fuel design. It will also be the first commercial scale SMR in the G7 to be delivered, with construction in Canada set to commence next year, for completion as early as 2029. Advanced nuclear technologies like the BWRX-300 are a key pillar of GE Hitachi's energy transition leadership.

At GE Hitachi, we continue to take critical and innovative steps to power the energy transition and help solve the energy trilemma of affordability, reliability and sustainability. GE Vernova equipment powers one-third of the world's energy and we are committed to helping the countries where we work reach their carbon and energy security goals.

GE Hitachi Nuclear Energy

SMALL MODULAR REACTORS

SUPPORTING THE UK'S MISSION TO BECOME A CLEAN ENERGY SUPERPOWER

SMRs have the potential to deliver a significant share of the UK's energy capacity as they are predicted to deploy faster and more predictably than conventional larger scale reactors. For this reason, they reduce the cost of capital and enable speedier returns on investment meaning they are a key component of the new government's bid to achieve energy security and for the UK to become a 'clean energy superpower'.

The launch of Great British Nuclear's SMR competition in 2023 demonstrated the UK's readiness for SMR technology and created a tangible route to market for private companies. GE Hitachi is one of five remaining entrants to this competition. Of those in the running, we have a strong international presence, alongside extensive experience across the full nuclear lifecycle and a proven track record of designing and delivering reactor technology on time and on budget. This makes our technology both low risk and high reward.

Our 10th generation BWRX-300 design the only SMR with a contract to deploy in the G7, effectively dispelling the "paper reactor" myth often aimed at SMRs that they are unlikely to reach effective operation. Our customer in Canada – Ontario Power Generation – announced in March 2024 they are progressing site clearance works ready for nuclear construction works in 2025, ahead of planned completion by 2029. We also have plans to build BWRX-300s in the USA and Poland and were recently shortlisted for construction in Sweden.

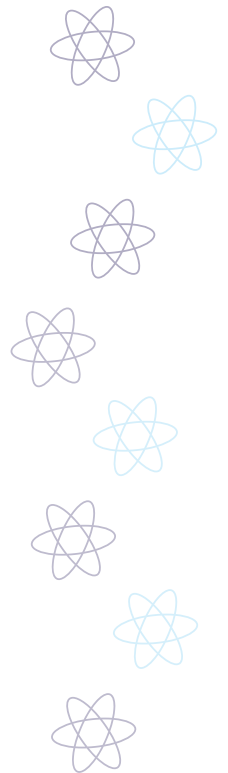
International demand for SMRs is driven by their simplicity and expected deployment speed. The BWRX-300 stands out because of its unique design – it's one of the only technologies that leverages a previously licensed design, existing components and a fuel supply which is already being manufactured for other reactors. As a Boiling Water Reactor (BWR), the BWRX-300 already starts with a simple steam cycle, and now with some innovation has further simplified and enhanced safety systems meaning it is expected to be cheaper, safer and faster to deploy.

Our aim is to build on our international experience, taking lessons from work already underway in Canada. We want to build a fleet of standardised reactors in the UK using a repeatable design, a proven delivery model, and utilising our experience of cross border regulatory collaboration. We welcome the opportunity to work with the UK Government to make the UK a European hub for next generation nuclear technology.

To turn this vision into reality, we are actively expanding our UK operations. We held a conference in Sheffield earlier this year to meet with potential partners as we seek to build a robust supply chain that would benefit both the UK as a whole and local, regional economies close to SMR sites. We also recently appointed a UK Project Director who has overseen the exciting progress in Canada and will bring that experience to the UK.

For the new Government to meet its goals on the energy transition, ensuring strong partnerships between the private and public sectors is also crucial, alongside robust international regulatory alignment and confidence around planning and siting. All of these factors will accelerate the development of close-to-market technologies, including our BWRX-300, enabling quicker execution and providing a clear signal for global investment. Continued commitment in these areas is vital to making the UK SMR program a success.

GE Hitachi is delighted to see continued political appetite for nuclear in the UK. SMRs present a flexible and scalable solution to future energy challenges, and we look forward to working with Great British Nuclear and the Government more broadly on their mission to reach their nuclear energy ambitions.



Andrew Champ

UK Country Director, UK Small Modular Reactor (SMR) Programme

GE HITACHI NUCLEAR ENERGY

BWRX-300

SMALL MODULAR REACTOR (SMR)

GE HITACHI NUCLEAR ENERGY

- 300 MW carbon-free power
- Innovative design
- Competitive cost
- Proven & reliable fuel
- World-class safety
- Ideally sized to displace gas and coal
- Robust supply chain
- Ready for global deployment

A WORLD LEADING PROVIDER OF GRID-SCALE SMRS:

- Selected for the Great British Nuclear SMR competition and recipient of a UK Future Nuclear Enabling Fund grant.
- First civil SMR construction license application and first commercial contract to build in G7, delivering as early as 2029.
- GE Hitachi's BWRX-300 technology is well positioned to help the UK deliver a carbon free electricity grid and become a clean energy superpower.



HITACHI



gevernova.com/nuclear

SPEAKERS

NAVIGATING THE FUTURE OF SMALL MODULAR REACTORS

3 September 2024



RECEPTION

THE RT HON LORD HUNT OF KINGS HEATH OBE
MINISTER OF STATE FOR ENERGY SECURITY AND NET ZERO
DEPARTMENT OF ENERGY SECURITY AND NET ZERO



RECEPTION

GUY ESNOUF
COMMUNICATIONS AND STAKEHOLDER ENGAGEMENT DIRECTOR
GREAT BRITISH NUCLEAR



RECEPTION

ANDREW CHAMP
UK COUNTRY DIRECTOR, UK SMALL MODULAR REACTOR (SMR) PROGRAMME
GE HITACHI NUCLEAR ENERGY



ROUNDTABLE

GARETH THOMAS
DIRECTOR
HOLTEC BRITAIN



ROUNDTABLE

RECEPTION

KIRSTY GOGAN
FOUNDING DIRECTOR AND CO-CEO
TERRA PRAXIS



ROUNDTABLE

RECEPTION

TIM YEO
CHAIRMAN
NEW NUCLEAR WATCH INSTITUTE



THE RT HON LORD HUNT OF KINGS HEATH OBE

MINISTER OF STATE FOR ENERGY SECURITY AND NET ZERO

DEPARTMENT OF ENERGY SECURITY AND NET ZERO

OF STATE FOR ENERGY SECURITY AND NET ZERO

MINISTER

KEYNOTE

Nuclear is a key part of this Government's national mission to be a clean energy superpower. We believe that SMRs could play an important role in helping the UK achieve energy security and clean power while securing thousands of good, skilled jobs. The Government's commitment to a nuclear programme and to Great British Nuclear will set the path to achieve these ambitions.

BIOGRAPHY

Lord Hunt of Kings Heath OBE was appointed Minister of State at the Department of Energy Security and Net Zero on 9 July 2024. The minister is responsible for nuclear, individual planning decisions, and all departmental business in the House of Lords.

EDUCATION

Lord Hunt studied at Leeds University.

POLITICAL CAREER

Lord Hunt was Deputy Leader of the House of Lords and joint Minister of State for the Department of Energy and Climate Change and the Department for Environment, Food and Rural Affairs between 2008 and 2010.

He previously served as a minister in the Department of Health and as Parliamentary Under-Secretary of State in the Ministry of Justice and the Department for Work and Pensions.

HE HELD SEVERAL POSTS WHILE IN OPPOSITION, INCLUDING:

- Shadow Spokesperson (Home Affairs), 2010 to 2012
- Shadow Deputy Leader of the House of Lords, 2010 to 2017
- Shadow Spokesperson (Health), 2012 to 2017
- Shadow Spokesperson (Education), 2017 to 2018
- Shadow Spokesperson (Cabinet Office), 2017 to 2018
- Shadow Spokesperson (Health and Social Care), 2018

CAREER OUTSIDE POLITICS

Lord Hunt was a Member of the General Medical Council from 2008 to 2024 and President of the Royal Society for Public Health from 2010 and 2018.

He was the first chief executive of the NHS Confederation from 1996 to 1997 and director of the National Association of Health Authorities and Trusts (NAHAT) from its formation in 1990.

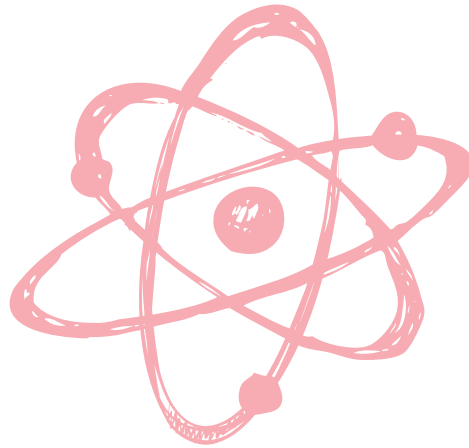
In 1993 he was awarded an OBE for services to the NHS.



GREAT BRITISH NUCLEAR

The share of nuclear generation in the UK has been falling, and despite some new projects – Hinkley Point C and Sizewell C – the trajectory is not at pace or scale for nuclear to play its role in meeting long term net-zero and energy security objectives.

To address this Great British Nuclear (GBN) – an arm’s length body of the Department of Energy Security and Net Zero – was established in 2023 as an expert, delivery focussed body to design, construct, commission and operate nuclear energy generation projects.



Initially, GBN will focus on Small Modular Reactors (SMRs) to unlock the benefits they hold. GBN will deploy a package of public support, including providing project developer capability, access to sites, and funding to mature technologies. Together this package will reduce risk and speed up deployment.

To allocate public support, GBN is running a competitive selection process to identify and select the technology designs most likely to support UK objectives. Five technology providers have been shortlisted for further detailed assessment.

Through partnership, GBN will accelerate technology development, mobilise supply chains, and reduce early stage-risk to drive nuclear delivery so it can play its role in the UK’s ambitions for energy independence and net-zero.



GUY ESNOUF PH.D.
COMMUNICATIONS AND STAKEHOLDER
ENGAGEMENT DIRECTOR

GREAT BRITISH NUCLEAR

BIOGRAPHY

Guy joined Great British Nuclear in mid 2023 as Communications and Stakeholder Engagement Director. He is on secondment from a similar role in Nuclear Waste Services, a division of the NDA.

He started his career in politics, before joining Glaxo Pharmaceuticals, now GlaxoSmithKline, where he was responsible for UK industry affairs. He moved to Rhone Poulenc's pharmaceutical division, first in the UK and then in the US where he lived for 14 years. While in the US, Guy also worked for IT company Unisys and then for Microsoft in Seattle.

He returned to the UK in 2008, working for energy company E.ON for six years, including helping to set up Horizon Nuclear Power before joining npower

Guy has recently moved to the New Forest with his wife Lisa and their dogs.



HITACHI



ANDREW CHAMP

**UK COUNTRY DIRECTOR, UK
SMALL MODULAR REACTOR
(SMR) PROGRAMME**

GE HITACHI NUCLEAR ENERGY

BIOGRAPHY

Andrew has over 30 years experience in developing, financing and constructing power plants in the UK and internationally.

Over the last 20 years Andrew has been instrumental in driving the nuclear sector forward, from leading the restructure and turn around programme of British Energy in early 2000's, seeing successful delivery of Barakah as Commercial Director for ENEC in the UAE, to leading the development of the Regulated Asset Base (RAB) financing model and writing the white paper that instigated GBN whilst in BEIS.

Now Andrew is leading the charge for GE Hitachi in their pursuit to build a fleet of SMRs in the UK.



GARETH THOMAS

DIRECTOR

HOLTEC BRITAIN

BIOGRAPHY

Gareth is Director of Holtec Britain, responsible for managing Holtec's UK operations. Gareth is responsible for business development and project leadership, including the Holtec Small Modular Reactor SMR-300 Generic Design Assessment, nuclear spent fuel storage projects at Hinkley Point and Sizewell, decommissioning and nuclear waste projects.

He leads UK government relations, strategic partnerships, supply chain development and all commercial aspects for UK. He has led the expansion of Holtec Britain, adding 30 employees over the last year.

Gareth was initially based in Holtec's US office for 4 years prior to transferring to Holtec Britain in 2018 and has been focussing on growing the business and preparing for SMR-300 development.

Previously to joining Holtec, he worked at UK nuclear power plants in the fields of reactor engineering and licensing. Gareth has 16 years of experience in the nuclear industry. Gareth has a master's degree in Nuclear Science from the University of Manchester and is a certified Project Management Professional (PMP).



KIRSTY GOGAN
FOUNDING DIRECTOR AND CO-CEO

TERRA PRAXIS

BIOGRAPHY

Kirsty Gogan is an internationally sought-after strategic advisor to governments, industry, academic networks and non-profit organizations on nuclear competitiveness, hydrogen, innovation and deep decarbonization. Ms. Gogan is co-founder, with Eric Ingersoll, of Terra Praxis, a non-profit organization developing scalable strategies for advanced nuclear energy to contribute to energy security and decarbonisation goals. She is also managing partner of Lucid-Catalyst, a highly specialized international consultancy focused on large-scale, affordable, market-based decarbonization of the global economy.

Ms. Gogan is one of the longest serving members of the UK Government's Nuclear Innovation Research and Advisory Board (NIRAB). She co-founded one of the world's first pro-nuclear environmental organizations, Energy for Humanity (EFH), focused on decarbonization and energy access. She also serves on the Board of the US Nuclear Innovation Alliance, as well as the French NGO, Voices for Nuclear. The US National Academies of Sciences, Engineering, and Medicine appointed her to serve on the committee that led to the publication of the landmark report: Laying the Foundation for New and Advanced Nuclear Reactors in the United States (2023). International Atomic Energy Agency (IAEA) Director General Grossi also appointed Ms. Gogan to be the UK representative on the IAEA Standing Advisory Group on Nuclear Applications.

Previously, Ms. Gogan had senior positions in the UK Government, including 10 Downing St, the Office of the Deputy Prime Minister, and Department of Energy and Climate Change.



TIM YEO
CHAIRMAN

NEW NUCLEAR WATCH INSTITUTE

BIOGRAPHY

Tim has a longstanding commitment to the nuclear energy industry dating back three decades to when he was Minister of State for the Environment with responsibility for climate change policy in the UK Government. He later served in the Shadow Cabinet as Shadow Secretary of State for Trade and Industry before being elected as chairman of the UK Parliament Energy and Climate Change Select Committee.

Tim is Chairman of ElecLink Limited, a subsidiary of Getlink SE, which owns and operates a 1GW electricity interconnector between France and Britain. He is a consultant and former Executive Chairman of Powerhouse Energy Group plc, a listed UK company developing technology to convert plastic waste into hydrogen. Tim is the Honorary Ambassador of Foreign Investment Promotion for South Korea and has worked in China on climate related projects including the design of China's carbon trading markets and on carbon capture utilisation and storage with the UK-China (Guangdong) CCUS Centre.



www.newnuclearwatchinstitute.org