

THE NUCLEAR INSTITUTE'S  
YOUNG GENERATION NETWORK

**ANNUAL DINNER**

**SCOTTISH EXTRAVAGANZA!**



**VENUE: DYNAMIC EARTH**

**HOLYROOD ROAD, EDINBURGH, EH8 8AS**

**4 NOVEMBER 2021**

SPONSORS

PLATINUM

GOLD



ENTERTAINMENT

DRINKS  
RECEPTION

LUNCH

NAME BADGE  
SPONSOR

SILVER



# Message from the YGN Chair



As chair of the Nuclear Institute Young Generation Network (YGN) let me first begin with a massive warm (Scottish!) welcome to Edinburgh. In many ways it feels very surreal to have you all with us tonight, in light of everything that has happened over the last 18 months but I think this makes us cherish opportunities like this even more.

Over the past year YGN volunteers, led by the YGN Strategic Committee, have delivered some fabulous events to encourage new starters into the nuclear industry and provide networking and learning opportunities for those of us already in the industry. These included online webinars, coffee roulettes, our national speaking competition, virtual technical tours and “Introduction to” events to keep us all going through this period. Considering we are a branch of the NI run exclusively by volunteers all our successes during COVID-19 are even more astounding.

A key focus of the YGN is encouraging and developing young professionals in nuclear. We couldn't have done this without the support from our key sponsors including NDA, Urenco and EDF Energy and without industry rallying behind us for example NNL kindly delivering 2 cohorts of the professional development course ‘Becoming Me’ this year exclusively for YGN members.



## YGN Annual Dinner – Event timetable

19:00	- Arrival/drinks reception
19:45	- Call to dinner
20:00	- Welcome, keynote speaker and charity speaker
21:30	- Raffle (cash only) and prizes
22:30	- Entertainment including a Ceilidh
00:40	- Bar Closes
01:00	- Close

One area that I am super proud of is the YGN's external engagement with our international nuclear colleagues and the UK nuclear industry in the run up to COP26, where many of us have been this week. As many of you know I branded the YGN the 'wildcard' of the nuclear industry at the start of the year and a skim through the following achievements puts that into perspective: 14 double decker buses around Glasgow during COP26 branded with our own Net Zero Needs Nuclear artwork, a position paper authored by YGN signed by over 150 NGOs and translated into 17 languages, YGN featuring in worldwide news and podcasts and delivering a national school speaking competition 'Speak up for net zero. Also not forgetting my personal favourite – our 3m high inflatable gummy bear to encourage discussions about fuel pellets and energy density. We are standing proud at numerous events throughout COP26 to showcase the skill, passion and enthusiasm of our early careers community. Continuing our climate advocacy in this area will be Saralyn Thomas who I am delighted to introduce as incoming YGN chair for 2022 and Professor John Fyfe our YGN patron.

All of the above wouldn't have been possible without our terrifyingly brilliant volunteers (see page 17) Working with you all over the past year has shown me what a bright future we have before us and I honestly cannot wait to see what we get up to next!

Have a brilliant evening making memories and haste ye back to Scotland,

Hannah Paterson  
(Sellafield Ltd)  
YGN Chair

## Keynote Speaker: Jon Baggs, Head of Nuclear, Abbott Risk Consulting

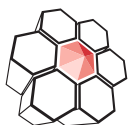


Jon is a Chartered Engineer and Fellow of the Institute of Mechanical Engineers. He has over thirty years' experience in the nuclear industry, primarily in the field of nuclear safety and engineering substantiation. Initially he was sponsored by Rolls-Royce through university. Upon completing his graduate apprenticeship, he worked in the development department at Rolls-Royce focussing on bespoke repairs to nuclear submarine reactor plants.

Jon then went on to develop the safety case and operational documentation for the new trident facilities at Faslane. As part of this work, he was responsible for ensuring nuclear safety of the first ever raising of a nuclear submarine on a shiplift.

Jon has now worked in consultancy for the last 25 years and joined Abbott Risk Consulting when it was first formed in 2002. At ARC, Jon manages the Nuclear Business Unit and has been responsible for numerous safety cases, primarily at Dounreay and for Magnox. Of particular note, Jon was the safety case manager for the ILW store at Hunterston A and successfully delivered the facility to full operation from a safety case perspective.

In 2017, Jon won the YGN Award for Outstanding Contribution. Jon dedicates a great deal of time in developing and mentoring staff within ARC, often resulting in Chartership status, and encourages others in ARC to do the same. He is also a strong advocate in supporting the Nucleargraduates Industry Placement Scheme.



# NSG

legacy management

At NSG, our vision is to be the nuclear industry's preferred partner and we believe our people are fundamental to achieving this. We currently have a variety of opportunities within our many departments, including apprenticeship, graduate and postgraduate positions. As a member of the NSG team, you will be working on diverse and innovative projects that help to shape the future of the nuclear industry.

Find out more at [www.nsgltd.com](http://www.nsgltd.com).



## Charity Partner: U-evolve

Tonight, we will be holding a charity raffle to raise money for the YGN 2021 Annual Dinner Nominated Charity: U-evolve.

Message from our Charity Partner:

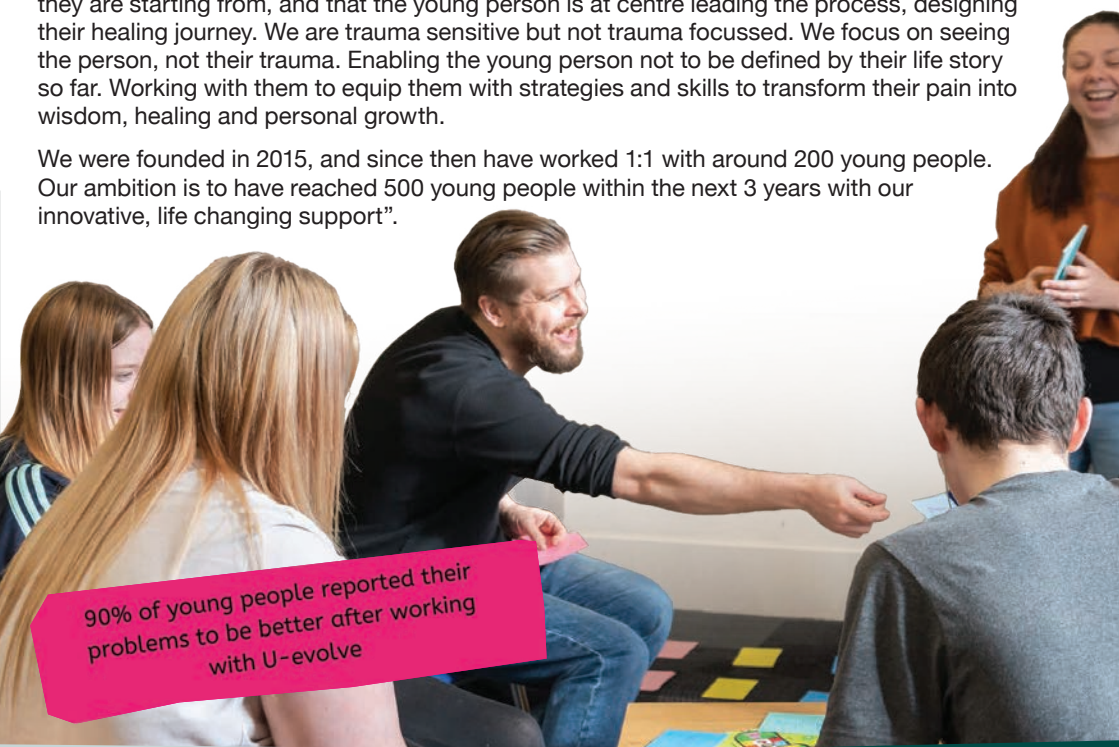


DEVELOPING CHILDREN TO FACE THE WORLD

“At U-evolve we believe in building resilient, confident and thriving communities one young person at a time. We are trauma skilled mental health professionals, working 1:1 and in groups with young people aged 11-18 years old. We focus on equipping our young people with our core values of confidence, resilience and security as the foundations of healing, recovery and personal growth.

Our therapeutic coaching team support the wellbeing of the young person to achieve the changes they want and need in their life by drawing on evidence-based theories and practices from Coaching Psychology, Counselling and Therapy. We are driven by the belief that all young people deserve support, opportunity and understanding to live their lives their way, regardless of where they are starting from, and that the young person is at centre leading the process, designing their healing journey. We are trauma sensitive but not trauma focussed. We focus on seeing the person, not their trauma. Enabling the young person not to be defined by their life story so far. Working with them to equip them with strategies and skills to transform their pain into wisdom, healing and personal growth.

We were founded in 2015, and since then have worked 1:1 with around 200 young people. Our ambition is to have reached 500 young people within the next 3 years with our innovative, life changing support”.



90% of young people reported their problems to be better after working with U-evolve





# The path to **net-zero carbon**

To learn more, please contact us at  
[FutureEnergy@mottmac.com](mailto:FutureEnergy@mottmac.com)

[mottmac.com](https://mottmac.com)



As the world's first carbon-neutral engineering company, we support our clients to deliver projects that help meet net-zero targets worldwide.

Connecting our thinking across all energy sectors, including nuclear, we create integrated and innovative design solutions with a focus on social outcomes for the communities you serve. Let us help you engineer a sustainable future.

**Opening opportunities  
with connected thinking.**



Radioactive Waste  
Management

# Building the future now





Building a geological disposal facility (GDF) for the UK's higher activity radioactive waste is one of the largest environmental protection infrastructure projects of its kind, reducing the burden on future generations.

A community that chooses to host a GDF will benefit from millions of pounds of investment in local infrastructure and facilities to support the community vision and plans for the area.

The construction and operation of a GDF will provide thousands of highly skilled jobs, training opportunities and apprenticeships for over 100 years, including in construction, engineering, safety, security and operation.

Radioactive Waste Management (RWM) is part of the Nuclear Decommissioning Authority (NDA). RWM is responsible for the delivery of a Geological Disposal Facility (GDF) for the UK's higher-activity radioactive waste.

[rwm.recruitment@nda.gov.uk](mailto:rwm.recruitment@nda.gov.uk)



# Making a Difference Globally Since 1934

Ansaldo Nuclear, part of the Ansaldo Energia group, specialises in the **design, engineering, manufacture, assembly, test, installation and commission** of customised solutions across the Nuclear value chain.

## Key Markets:

Decommissioning  
& Waste Management

Nuclear New  
Build & Fusion

Nuclear Plant Service  
& Operation Assistance

Nuclear Defence

## Primary Locations:



Wolverhampton, UK



Genoa, Italy

Find out more & begin your journey

 [ansaldo-nuclear](#)



# We are...



## Nuclear is part of our future

With 16,000 employees across the globe, Orano is a world leader in nuclear, working to make tomorrow's energy safe and efficient for all.

We develop cutting-edge technology and methods across the whole nuclear lifecycle, from uranium mining and designing new facilities, through to decommissioning and managing nuclear waste.

Learn more about our long-term graduate development programme and the possibilities of starting a career with Orano.

## Be part of tomorrow's energy

[www.oranoprojects.uk](http://www.oranoprojects.uk)

[www.orano.group](http://www.orano.group)





RISK & SAFETY SOLUTIONS

# KEEPING PEOPLE AND THEIR ENVIRONMENT SAFE.

PLATINUM SPONSOR OF THE



ANNUAL DAY SEMINAR AND DINNER

Providing sustainable Risk Management, Safety and Engineering services for the Nuclear Industry through transition towards net-zero goals.

**CONSULTARC.COM**

Abbott Risk Consulting Ltd.



# **SUPPORTING NUCLEAR REACH TOWARDS A CLEANER TOMORROW.**

ARC are leading suppliers of safety and engineering services to the Nuclear, Defence, Energy and Transport sectors. We are also committed to supporting Nuclear and the role it has to play as we head towards carbon neutral goals. Through safe decommissioning, collaboration and innovation we can provide the knowledge and skills to help build a stronger, cleaner tomorrow for our industry.

## **KEY SERVICES**

Safety Case Management and Preparation | HAZOP & HAZID  
Hydrogen System Safety Analysis | SIL Assessment  
Design Assessment & Verification | Reliability, Availability & Maintainability  
Independent Peer Review | Independent Technical Assessment  
Ventilation & Dispersion Modelling (CFD) Engineering & Design Substantiation  
Human Factors & Ergonomics | Structural / Mechanical Analysis



**RISK & SAFETY SOLUTIONS**

Please contact Jon Baggs for further information  
[info@consultarc.com](mailto:info@consultarc.com)



cavendish  
nuclear

Cavendish Nuclear, a wholly-owned subsidiary of Babcock International Group, is a leading nuclear services company.

From servicing existing nuclear power plants and decommissioning some of the most complex nuclear sites in the world, to helping to keep the UK's fleet of nuclear powered submarines at sea, our people deliver nuclear services safer, faster, at lower cost.

Cavendish Nuclear at a glance:

- Access to 5,000 nuclear SQEP personnel
- 60+ years of industry heritage
- Licensed to operate nuclear sites
- Strategic partner supporting nuclear companies in the lifetime extensions of their fleet
- Supporting delivery of the UK's first new nuclear power station in a generation
- Delivery of large scale engineering projects at Sellafield and across the UK nuclear estate



[www.cavendishnuclear.com](http://www.cavendishnuclear.com)





**NUCLEAR AMRC**  
ADVANCED MANUFACTURING RESEARCH CENTRE



## Applied innovation for the nuclear supply chain

**The Nuclear AMRC is dedicated to helping UK manufacturers win work in the nuclear sector.**

We work with companies of all sizes to investigate and demonstrate innovative manufacturing technologies for the most demanding applications.

From robotic machining to power beam welding, intelligent inspection to interactive visualisation, our engineers and researchers work at the cutting edge of large-scale precision engineering.

We help companies develop the technical capabilities to compete on cost, quality and delivery, and improve their operations to win work at home and worldwide.

**We are proud to support the Young Generation Network.**



[namrc.co.uk](http://namrc.co.uk)

**CATAPULT**  
High Value Manufacturing



We are international engineering and professional advisory consultants, who solve complex problems and optimise our clients mission progress across the world.

Our core capabilities offer a selection of products and services that help our clients succeed with their goals. However, we believe our people are our most valuable product, each individual within our organisation is here because they want to be 'different by design'.

We help to  
**decommission**  
legacy nuclear  
sites.

We're  
helping  
to keep the  
UK **safe** and  
**secure**.

We  
are helping  
to shape what  
the **next generation**  
of nuclear energy  
looks like.

We  
develop  
complex digital  
tools and platforms  
which **simplify**  
our client's  
**mission's**.

We help  
our clients to  
**transform** their  
businesses, so they  
**deliver** their critical  
missions.

## **Come work with us.**

Are you Different by Design? We want you to join our dynamic, forward-thinking team, to help us with our mission to inspire the next generation of problem solvers.

We are an equal opportunities employer, with forward thinking leadership and a great culture send your CV through to [careers@dbdinternational.com](mailto:careers@dbdinternational.com) and someone from our resource team will be in touch for a confidential discussion!



## 2021 YGN Volunteers



The YGN prides itself on its programme of events every year but these would not be made possible without the help and dedication of our volunteers. Thanks to each and every one of the following who've made 2021 a great year for the YGN:

Hannah Paterson  
Saralyn Thomas  
Stacy Snook  
Georgia Pawson  
Carwyn Chamberlain  
Matthew Williams  
Grace Frost  
Eilidh Dougan  
Rob Ward  
Robert Alford  
James O'Keeffe  
Sarah D'Lima  
Ose Izore  
Clare Turgoose  
Philippa Hawley  
Charlie Jackson  
Henry Preston  
Lauren Thomas  
Alice Cunha da Silva  
Sophie Zienkiewicz  
Neil Calder  
Vicki Dingwall  
Arun Khuttan  
Miguel Trenkel-Lopez  
Matthew Mairinger  
Martin Donohue  
Alessia Jones  
Jordan Hadfield  
Max Karous  
Jeremy Bas  
Priya Hira  
Georgina Hines

Charlotte Burman  
Dakota Shirfield  
Sarah Grayston  
Danielle Jackson  
Lauren Brown  
Sam Smith  
Ben Jenkins  
Imogen Campbell-Gray  
Dylan Watmough  
James Barker  
Charlotte Vernon  
Lucy Humphreys  
Ellie Ford  
Rachael McCartney  
Ellie Dalton  
Frances Yates  
Katie Paterson  
Madeleine Knight  
Kieran Cotton  
James Fahy  
Catherine Porter  
Alexandra Gibson  
Nicole Tait  
Laura Manson  
Sarah Bullivant  
Beth Wisely  
Rebecca Haigh  
Rachel Clayton  
Andy Milling  
George Burnett  
Kate McDonald  
Chloe Glaister

Celia Wighton  
Amy Taylor  
Matt Trayner  
Hayley-Jo Stephen  
Tom Kunicki  
Rachael Matthews  
Scott Davis  
Jess Cliff  
Francis Day  
Ioanna Playbell  
Annalise Beddard  
John McNamara  
Steve Barnes  
Munieba Khalil  
Montserrat Caso Fernandez  
Sophie Abrahams  
Sophie Jackson  
Martha Bates  
Jamillah Robinson-Heather  
Owen Marsh  
Craig Pilkington  
Amy Northage  
Jerome Allison  
Thomas Lyon  
Eleanor Cossley  
Molly Taplin  
Callum Cordwell  
Ellie Cameron  
Robert Hurren  
Emily Newton

There are countless other people who have supported the YGN on its mission the past year, which we would like to extend our gratitude to. Additionally, we would also like to thank our Company Catalysts (formally Company Reps), YGN Company Advocates, all YGN members, in addition to people who have spoken at our events and companies we have had the pleasure to work with.

Lastly, thank you all our sponsors over the last year, particularly to the Nuclear Decommissioning Authority Group (NDA Group) for supporting us over the last year as our Industry Partner

Urenco Nuclear Stewardship has a leading role in providing responsible stewardship of nuclear materials through waste management, long term storage and decommissioning services.

We are the centralised waste management and decommissioning function for the Urenco group.

Our workforce have specialist management skills and expertise within the nuclear sector in:



### Radioactive waste services

- Radioactive waste handling
- Interim storage
- Processing radioactive waste
- Radioactive waste management

### Decommissioning & land remediation

- Supporting the transition from operations to decommissioning
- Decommissioning planning
- Proven project management practices

### Engineering support

- Delivering projects in a nuclear context
- Asset management
- Technical authority
- Continuous improvement

### Storage of nuclear material

- Inspections and material management

Located on the Capenhurst nuclear licensed site

Operating since 2012, with longstanding customer contracts

UK and international nuclear industry experience



Operation of a 36,000 m<sup>2</sup> secure storage facility

Stewardship of 95% of UK's uranic inventory

Inspections and material management, including material repackaging



Operating a dedicated Waste Management Facility

Waste sorting enclosure for management of potentially hazardous materials

Easy adaptations for bespoke requirements



Providing bespoke end of life-cycle solutions to the nuclear industry

## Urenco Nuclear Stewardship's skilled and qualified workforce deliver waste management and decommissioning services for the nuclear industry.

We are proud of our team's ongoing contribution to the UK's decommissioning programme that supports our customers' vital nuclear operations through responsible waste management.

Urenco Nuclear Stewardship want to celebrate just a small selection of our young professionals working as part of our experienced and knowledgeable teams, continuing to provide excellent service for our customers.



### **Rosey Deverall**

As part of her role as Decommissioning Waste Coordinator, Rosey supports the management of waste produced from decommissioning projects on the Urenco site. This involves providing advice to operational and project teams, creating and implementing technical documents regarding waste management and characterisation sampling campaigns, and producing documentation and scheduling for both radioactive and non-radioactive waste consignments. Rosey supports key projects from start to finish. There is a sense of achievement the team collectively gets when a project is closed out, even with small projects. The waste team will provide initial advice to decommissioning projects at the beginning of a piece of work, creating project waste management plans and sampling campaign documents, right through to the consignment of the produced waste.



### **Lauren Doyle**

As a Residues Engineer, Lauren is using her background in Process Engineering to develop new processes and routes for uranic residues generated at Urenco. Lauren works closely with internal customers to establish priority problematic wastes and residues to be addressed, and regularly reviews the residues strategy to ensure all possible solutions are being considered. The role covers a range of areas, including process design, characterisation of materials, substantiating transport packages, collaborating with our European sites, business development and project management – meaning every day there's a new challenge!



### **Elly Hennelly**

Within the Business Development team, Business Development Manager, Elly, seeks opportunities for new business to contribute to Urenco's strategy for diversification in the waste management and decommissioning markets. As well as preparing proposals to demonstrate the existing skills, expertise and knowledge that customers can access, Elly also supports seeking opportunities and developing opportunities for new capability, such as Urenco's project to implement the Urenco Metal Recycling Facility to support the industry's requirements for treatment of radioactive metallic waste in the UK.



### **Tom Batten**

As a Waste Engineer in a highly customer facing role, Tom supports a range of people from project and department managers to clerk of works and technicians to ensure Best Available Techniques are implemented and wastes are compliantly managed from planning through to disposal. As part of the role, Tom produces, educates customers in, and executes a wide range of documentation such as waste plans, data quality objectives, data quality assurance, best available techniques assessments and takes pride in seeing a job progress to completion and helping others develop their knowledge of waste management. With his chemical engineering background, Tom enjoys the challenge of providing innovative solutions to technical waste problems including producing a computer model to enable more waste to be characterised as out of scope, increasing recycling rates on the site, reducing costs and helping meet the demand for sustainable energy.



### **Sian Robson**

As part of her role as Assistant Commercial Manager, Sian is contract manager, for one of our longstanding external customers. The role includes contractual interpretation, control of change management, principle stakeholder interfaces and formulation, development and negotiation of contracts. Using Sian's background in law, she acts as Urenco Nuclear Stewardship's single point of contact for legal issues and she provides interpretation and advice on contracts and legislation. She acts as principle stakeholder interface with Urenco's legal team.

And proudly supporting the  
Nuclear Institute's Young Generation Network







**Dedicated** to safe, secure,  
efficient, reliable and  
sustainable transport  
of radioactive materials