

SAFETY DIRECTORS' FORUM YOUNG NUCLEAR SAFETY PROFESSIONALS FORUM

Newsletter 1 – Q4 2016

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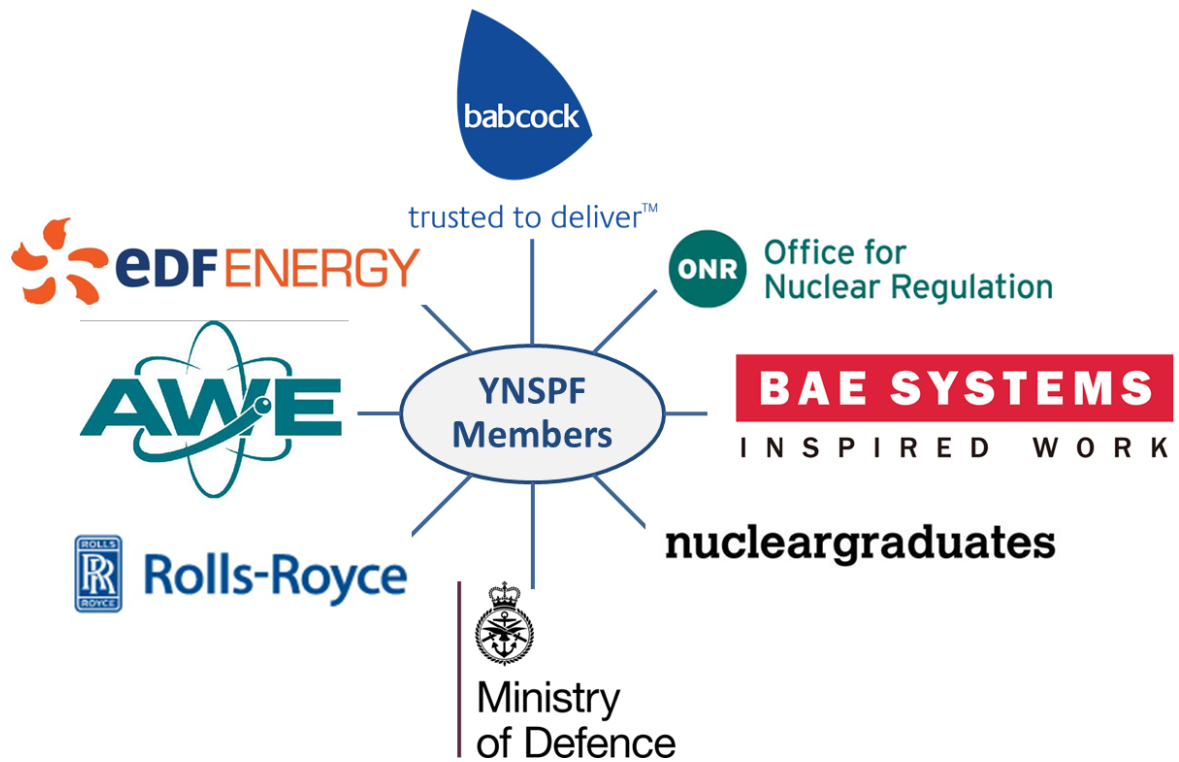
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Overview of the YNSPF:

The Safety Directors' Forum (SDF) has a vision of Nuclear Operators working together to drive a safe, secure, environmentally responsible and enduring Nuclear Industry.

The Young Nuclear Safety Professionals' Forum (YNSPF) was established in 2016 to support the SDF, consisting of members in their early careers from each of the SDF partners.

Current YNSPF members include graduates, apprentices and permanent employees within the first 5 years of their nuclear careers; including both engineers and non-engineers from the sector.



YNSPF Partner Companies

Chair's Remark

"It is with great pleasure that I would like to introduce you to the Young Nuclear Safety Professionals' Forum and to present to you their first newsletter. The YNSPF has been established as a sub-group of the Nuclear Industry Safety Directors' Forum as an opportunity for the next nuclear generation to have a voice and to contribute to the industry. Our aim is to provide an alternative perspective to some of the challenges that the SDF face as well as to act as platform for continuous, personal development and networking for all members. I hope that this newsletter will provide you with an insight into the YNSPF and the vision and aims that the group has."

Objective of the YNSPF

To provide and foster a safe, responsible and sustainable approach to supporting the SDF, and to contribute to the development of national and international legislation, standards and guidance as appropriate.

- The YNSPF will establish a pool of resources, made up from engaged SDF partners, which will form a taskable team for the SDF to call upon and allocate suitable short term projects that aid the SDF in achieving its vision and executing its actions. In assisting the SDF in this manner, the YNSPF will encourage inter-stakeholder networking as well as Learning From Experience (LFE) opportunities to be taken back to parent companies.
- A secondary function of the YNSPF is to provide a means of networking and direct communications between the nuclear graduate communities, in turn engaging the younger generation in nuclear safety aspects and to provide individuals with an opportunity to develop communication, leadership and project management skills.

Meeting 1: Devonport Dockyard, Plymouth – July 2016

The initial meeting of the YNSPF was hosted by the Ministry of Defence at HMNB Devonport in July 2016. With many SDF parent companies having a presence in Devonport Dockyard and with a strong nuclear focus on site it seemed an appropriate place to initiate our work.

The meeting focussed around initial thoughts regarding the composition and direction of the group and how to make it most beneficial to both ourselves and the wider SDF community. The work undertaken by other sub-groups was analysed to identify areas where the YNSPF might be able to assist. Our sponsor, Grant Watkinson also attended to provide a high level overview of the SDF and further insight into his thoughts on what the group might aim to achieve.

The group also received a presentation on the workings of the Royal Navy and the Submarine Service from Cdr Heap and a comprehensive tour around HMS Trenchant. For many members, this was their first experience of the RN element of the nuclear industry and it was extremely beneficial to understand more about some of the end users of our products.

On behalf of the YNSPF I would like to thank Cdr Heap RN and the ME department of HMS Trenchant for their hospitality during our visit.



HMS Trenchant

Meeting 2: Babcock, Rosyth – September 2016



Dockyard at Babcock, Rosyth

Babcock, Rosyth, 13 miles from Edinburgh, is the assembly site for the Queen Elizabeth Class Aircraft Carriers. The visit was hosted in the ACA visitor centre with great views across the basin towards the near completed Queen Elizabeth carrier (ship 1). The site tour included a trip up the UK's largest Goliath Crane (1000 tonnes lift capacity), and a guided tour of the Pile Fuel Cladding Silo (PFCS) waste retrieval project facilities which will be used to extract radioactive waste from Sellafield.

Rosyth is also the location for the MOD's Submarine Dismantling Project (SDP), and the group were lucky enough to have the Babcock SDP project manager come along to deliver a presentation on the project.

The key focus of the quarterly YNSPF meeting at Rosyth was further progression of baseline documentation in preparation for seeking our first task.

Meeting 3: BAE Systems, Barrow-in-Furness– November 2016

BAE Systems in Barrow is the only facility in the UK that manufactures Royal Navy Submarines.

The current class of submarines in production are nuclear powered, and BAE have the responsibility of building and commissioning the Rolls-Royce designed Pressurised Water Reactor.

At the Barrow meeting, the group reviewed and approved a suite of baseline documentation and processes that will become the foundations of the YNSPF. Furthermore the group discussed possible workstreams and started to research topics the group has an interest in.



Devonshire Dock Hall at the BAE Systems site, Barrow-in-Furness

The YNSPF were shown the Pipe Production Facility on site where the majority of pipes are manufactured and bent, as well as the Devonshire Dock Hall where the submarine units are outfitted and put together prior to launch.

YNSPF Company Board Members**Charlotte Burman (Chair)**

Role: Completing a series of placements and secondments across the nuclear industry and government departments, currently based in Government Office for Science.
1 year
Masters in Physics, University of Bath

Andrew Morris (Deputy Chair)

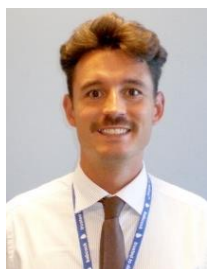
Role: Assistant Integration Manager at Hinkley Point C
2.5 years in the Nuclear Sector
MChem in Chemistry with Industrial Placement

**Neepa Paul, Ph.D. (Task Allocation Officer)**

Role: Nuclear Safety Analyst
6 years in the nuclear sector (including Ph.D. and current role).
PhD received via an Industrial Case Scholarship in Nuclear Engineering from Sellafield Ltd and National Nuclear Laboratory (NNL) from the University of Leeds. MEng (Hons) Chemical Engineering from the University of Leeds.

Ben Rayner (Communications Officer)

Role: Nuclear Higher Apprentice undertaking a series of nuclear placements in areas such as Test and Commissioning, Engineering and Regulatory Compliance.
2 Years in the Nuclear Sector
Currently Studying for a BEng (Hons) in Mechanical and Production Engineering

**Andrea Saponaro**

Role: Working within Babcock E&MS Strategic Development Plan to promote business growth
1 year and 3 months in Nuclear
BSc Mechanical Engineering at Politecnico di Milano; MSc Advanced Mechanical Engineering at Cranfield University

Lewis Hogg

Role: Asset Integrity Management – Oil & Gas
No experience in Nuclear industry to date.
MEng Mechanical Engineering with Renewable Energy

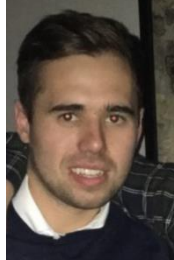


**Tori Murtland**

Role: Designing Sensors to inform operating states of a Pressurised Water Reactor
2 years in Nuclear Sector
MEng Electronic & Electrical Engineering with Industrial Placement, Loughborough University

Ben Percy

Role: Coordinating demonstration of a new reactor testing technique
1 year in the Nuclear Sector
MPhys Physics before joining a Nuclear Graduate Scheme

**Jamie Daniels**

Role: Nucleargraduates Scheme, sponsored by the Office of Nuclear Regulation
3 months in the Nuclear Sector
Law Degree at Lancaster University

Jess Taylor

Role: Nucleargraduates Scheme, seconded to the ONR & LLWR in decommissioning & waste management roles
1.5 years in the Nuclear Sector
MSci in Geoscience

**Rowan Barton**

Role: Undertaking a broad range of placements to develop my knowledge of reactor design, build, and test, including site and plant safety.
2 years in Nuclear Sector
Nuclear Higher Apprentice – currently studying for Mechanical Engineering degree

James Craven

Role: Planning of submarine maintenance period
1 year in Nuclear Sector
MEng in Mechanical Engineering, Imperial University, plus defence nuclear training.





YNSPF Company Board Members

Progress to Date:

- Establish company board members
- Set aim, objectives, mission and vision of the group
- Establish regular programme of meetings
- Agree process for agreeing workstreams, setting tasking criteria, undertaking peer review, and gaining feedback.
- Recruit associate members
- Develop a group logo
- Start first research task.

On-going Projects

- Study on the Nuclear Skills Gap and steps taken by the nuclear sector to bridge the skills gap.

Future Work / Meetings

- Next meeting: AWE, Q1 2017
- Discuss findings from literature reviews on Nuclear Skills Gap
- Undertake work packages fed from the SDF or SDF sub-groups.



Contacts:

To contact the YNSPF to request with any questions or to request a package of work, please e-mail the Chairperson, Charlotte Burman.

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