

# ABOUT NUCLEAR PROFESSIONALISM

Setting the standards for nuclear



Nuclear Institute

# ABOUT THE NUCLEAR INDUSTRY

## Nuclear – a key part of the energy mix

Nuclear power is an essential part of the UK's clean energy mix. Since the world's first nuclear power station opened in Cumbria in 1956, nuclear has been a stable, low-carbon energy source for the country, producing enough electricity to power every home in the UK for 18 and a half years. Not only is it vital that the current generation of nuclear power is replaced with new generation, future increased energy demand needs to be met with low-carbon sources, namely nuclear and renewables.

With Net Zero targets and energy security high on Government agendas, there has never been a better time to join the nuclear industry.

The UK is playing an important role in advancing new nuclear technologies including SMRs (Small Modular Reactors), fusion energy, AMRs (Advanced Modular Reactors), as well as traditional large fission plants. will provide thousands of high-skilled, well-paid careers for the nuclear professionals of the future.

## Providing sustainable employment

The nuclear industry and supply chain employs over 60,000 people in the UK and presents exciting and rewarding career opportunities for the next generation of workers. Thousands of high-skilled, well-paid careers in nuclear new build, current operating plants, and decommissioning will be on offer for nuclear professionals.

## The role of the Nuclear Institute

The Nuclear Institute, as the only dedicated professional body for the UK nuclear industry, represents over 3,000 professionals at all levels across the sector and sets the standards for nuclear professionalism.

By upholding those standards we contribute to the safe operation of nuclear plants and associated activities, ensuring that industry professionals, regardless of their role and technical discipline, are recognised by the international nuclear community.



# ABOUT NUCLEAR PROFESSIONALISM

## Nuclear Professionals

All people working in the nuclear sector, irrespective of their level or grade of employment, can be characterised as nuclear professionals.

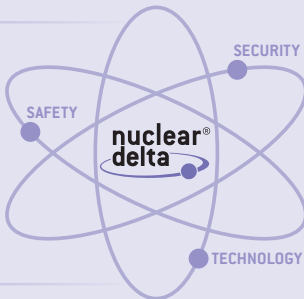
This recognition of professionalism is absolutely key to ensuring the ongoing and increased acceptance of nuclear as a safe, sustainable energy source helping to meet the country's energy needs.

As such, in addition to role-specific technical skills, all nuclear professionals demonstrate something extra – what we call the **Nuclear Delta®**.

Be part of a great industry

Join our community

Become a nuclear professional



## Continuous professional development

Your formal learning and development doesn't end after your degree or apprenticeship course; in most professional disciplines it is normal practice for individuals to maintain and record their professional status independently of their employment through the appropriate professional body.

We facilitate professional development and accreditation for our members, providing a place for the nuclear community to interact and share knowledge through our events programme, branch network, special interest groups and our many volunteer-led activities.

**mycareerpath®**

Using our online tool **MyCareerPath**, you can plan your development, gather and reflect on your activities, and review your progress as part of a formal CPD programme.

Furthermore, our mentoring scheme is aimed at supporting younger members faster through the industry, by combining transfer of knowledge from the older generation with support towards younger members' professional registration.

Visit: [nuclearinst.com/nuclear-delta](http://nuclearinst.com/nuclear-delta)

This sets out the professional requirements specific to the nuclear sector, namely the understanding of nuclear specific standards and requirements, especially the importance of nuclear **safety** culture, nuclear **security** culture and nuclear **technology**.

Nuclear professionals achieving the Nuclear Delta® demonstrate an ongoing commitment to personal behavioural standards and apply their skills and knowledge effectively in a nuclear context.

# YOUR MEMBERSHIP JOURNEY

There are four grades of Nuclear Institute membership, each tailored to specific requirements of different nuclear professionals:



**AFFILIATE**

Learning and links for students and apprentices



**ASSOCIATE**

Connect and participate with NI communities



**MEMBER (MNucl)**

Demonstrate your nuclear professionalism



**FELLOW (FNucl)**

Recognition for leading nuclear professionals

By joining the NI you will benefit from the industry-wide recognition this brings, with membership providing assurance to employers and clients that you are suitably qualified, independently verified nuclear professional.

## Professional registration

Alongside membership of the NI, you can also achieve professional registration whatever your specialism, job role and work context, without needing to join a second membership organisation.

We are licensed by the Engineering and Science Councils, and the Society for the Environment to award the following professional registrations:

- Chartered Engineer (CEng)
- Incorporated Engineer (IEng)
- Engineering Technician (EngTech)
- Chartered Scientist (CSi)
- Chartered Environmentalist (CEnv)
- Registered Environmental Technician (REnvTech)



All require specialist education and training to develop the skills and expertise needed by nuclear professionals to perform their jobs safely, securely and effectively in a nuclear context.

For more information about membership please contact us:

[membership@nuclearinst.com](mailto:membership@nuclearinst.com)

03303 410574

[nuclearinst.com](http://nuclearinst.com)