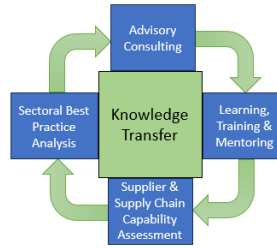


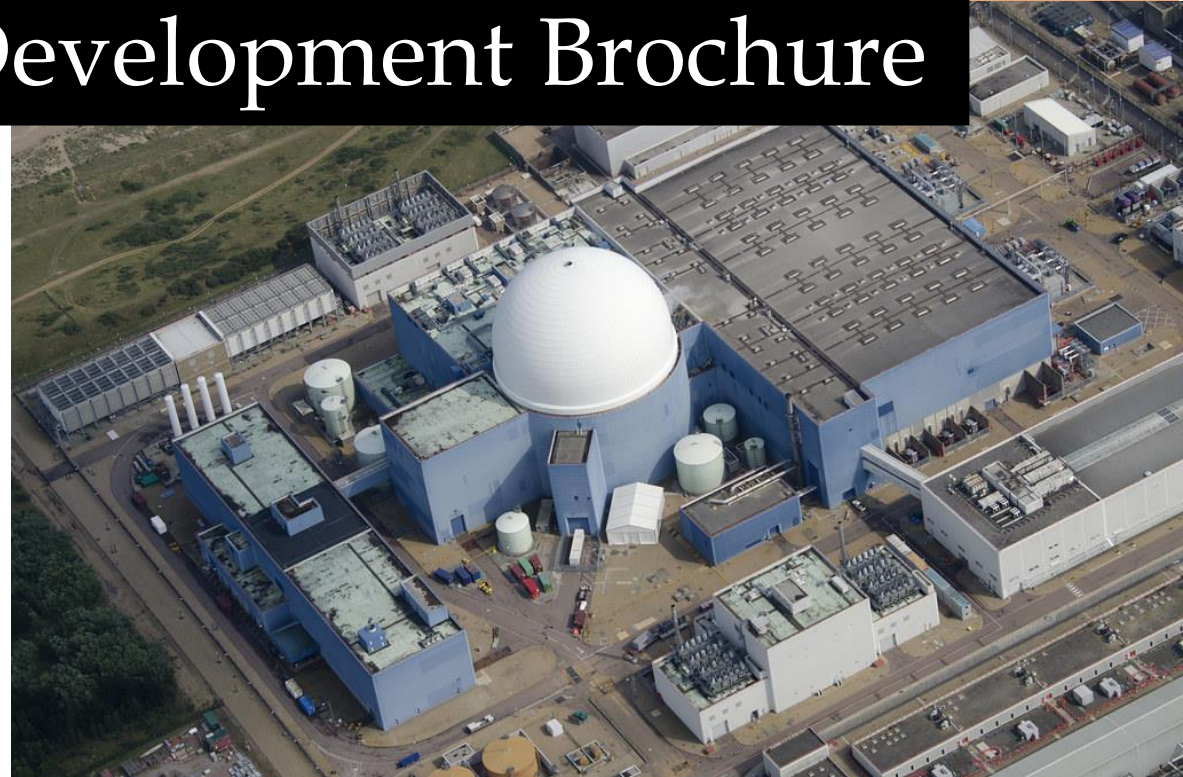


Emptor Plus Ltd



2026

Learning & Development Brochure



Martin Ride

Emptor Plus Limited

30/04/2026



[Industry experience-based development and learning]

Understanding the nuclear sector, with access to experienced support?

Through our easy-to-follow material we will:

- **Build awareness of the sector**, how it works, the technology involved, where it came from and direction of travel.
- **Address the key characteristics** relating to safety and security, and why the sector is different.
- **Explain how the sector is regulated**, why and by whom.
- **Outline what the key standards and expectations** are for companies to enter the market, win work and succeed.
- **Set out how procurement organisations work** and how this effect companies.
- **Signpost 24-7 access to experience professionals** who have worked within the sector and who can advise and guide.
- **Enhance personal CPD learning** – an essential for continual improvement.

Who we are:

About Us

We are long-established experienced UK-based advisory supply chain specialists, and co-founders of the Nuclear Knowledge Development [NKD] network.

Our primary focus is on helping people and companies to learn and succeed.

We do this through our range of sectoral experience-based learning and, our tailored supply chain development services, to suit your specific needs. This is regardless of size or, pre-existing industry knowledge.

Enhancing your understanding of industry and market expectations is what we are about. This is where we make the difference for you and your company.

Contact Us

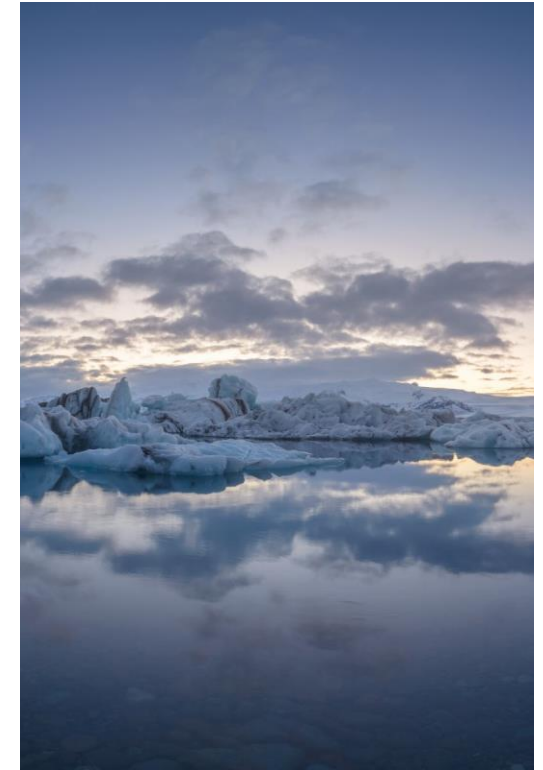
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Emptor Plus Limited

*Nuclear development and
continued learning, made simple*

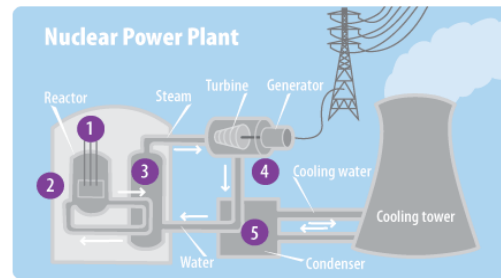


Learning themes

Nuclear sector training themes, tailored to suit, include:

- Foundations of Nuclear Science & Power
- Global & UK Nuclear History
- UK Nuclear Sites & Capabilities
- Law, Regulation & Governance
- Decommissioning & Waste
- Reactor Technologies
- Nuclear Safety & Security

A description of our themes and contents is included below.



Collaborative development

Personal Sector specific Supply and Supply Chain development and mentoring

- Supply chain NPI capability and capacity assessment and mapping, whole plant, systems and to product or component.
- Supplier development assessment guidance against established criterion and checklists.
- Ongoing supplier development improvement advisory oversight
- Cohort and personalised distance-based advisory mentoring support.



Do not forget to include some specifics about what you offer, and how you differ from the competition.

Engineered Learning Services to Industry

We provide a standard and tailored range of services, to suit, constantly updated, to ensure continued alignment with sectoral expectations.

We deliver directly and through our regionalised experienced NKD network, based on location and specific collaborative preferences.

Why choose EPL for foundation training and development

- Expert-led and industry-recognised
- Practical insights tailored for professionals
- Essential for compliance, safety, and innovation
- Supporting UK and global nuclear development

1. Foundations of Nuclear Science & Power

- **Ionising Radiation – An Overview**
Gain a foundation in radiation science, medicine, its sources, effects, vital safety principles, and applications.
- **Nuclear Fission and Nuclear Fusion**
Compare mechanisms, benefits, applications, and risks of the world's two nuclear processes.
- **Characterisation of Fission & Fusion Technologies**
Explore technical features, performance differences, and emerging developments.
- **Nuclear Power – Global Importance**
Learn how nuclear energy powers nations and shapes our clean-energy future.

2. Global & UK Nuclear History

- **Global Nuclear Development – A History**
Trace the worldwide evolution of nuclear technology from discovery to today.
- **British Nuclear Development – A History**
Examine the UK's unique role in advancing nuclear science and energy.
- **The History of British Nuclear Development (in more detail)**
A focused overview of milestones that shaped Britain's nuclear path.
- **The Dual Legacy – UK Nuclear Energy & Weapons**
Discover how civil and defence nuclear programmes grew side by side.
- **Hiroshima and Nagasaki**
Study the historic atomic bombings and their enduring global impact.
- **The Life and Legacy of Klaus Fuchs**
Explore the scientist whose actions shaped the Cold War nuclear landscape.
- **The UK's Tube Alloys Project**
Understand Britain's secret wartime nuclear programme.

3. UK Nuclear Sites & Capabilities

- **Windscale and Sellafield – A Complete History**
Follow the story of two of the UK's most famous nuclear sites.

- **Harwell & Winfrith – Nuclear Sites to Present Day**
Chart the evolution of pioneering UK research and development facilities.
- **Dounreay – From Inception to Present Day**
Learn about fast reactor research and its legacy in the far north of Scotland.
- **UK Uranium Processing Capabilities**
Understand how uranium fuels the nation's nuclear future.
- **Springfields Fuel Manufacturing**
Discover the evolution of UK nuclear fuel production and technology.
- **Naval Nuclear Development**
Trace the history and strategic importance of Britain's nuclear-powered navy.
- **The 1958 US-UK Mutual Defence Agreement**
Learn how a pivotal treaty shaped security and supply chains.

4. Law, Regulation & Governance

- **The UK's Nuclear Installations Act**
Understand the legal framework governing nuclear operations and safety.
- **The Office for Nuclear Regulation (ONR)**
A guide to the UK's nuclear regulator, its role, and responsibilities.
- **Safety Assessment Principles**
Introduction to the foundations of safe nuclear design and operation.
- **Legal Frameworks and Obligations**
Understand regulation across fission, fusion, research, and supply chains.
- **Regulatory Technical Assessment Guides (TAGs)**
Explore the ONR's technical framework for regulatory assessment and why TAGs matter for UK supply chain manufacturers and compliance.
- **The 3-Step GDA Process**
Learn the essentials of reactor design assessment and approvals.

5. Decommissioning & Waste Manage

- **The UK's Nuclear Decommissioning Authority**
Examine the NDA's objectives and critical role in site restoration.
- **The UK Decommissioning Process**
From shutdown to safe dismantling – an end-to-end view.

6. Reactor Technologies

- **Global Nuclear Reactor Technology Types**
Compare reactor designs used worldwide, their roles, and safety records.
- **UK-Deployed Nuclear Technologies**
A comprehensive survey of Britain's nuclear power fleet.
- **PWR, BWR, and AGR Technologies**
Examine design, function, and risk-benefit analysis of key reactor types.
- **Energy Reactors vs Fast Breeder Reactors**
Understand their differences, applications, and future roles.

7. Nuclear Safety & Security

- **Nuclear Safety & Security**
Define, characterise, and examine the "nuclear delta" of protection.
- **Nuclear Safety Culture**
Explore how mindset and behaviour underpin nuclear safety.
- **Nuclear Incident Reporting**
Explore international safety standards and lessons learned.

8. Quality, Standards & Supply Chain

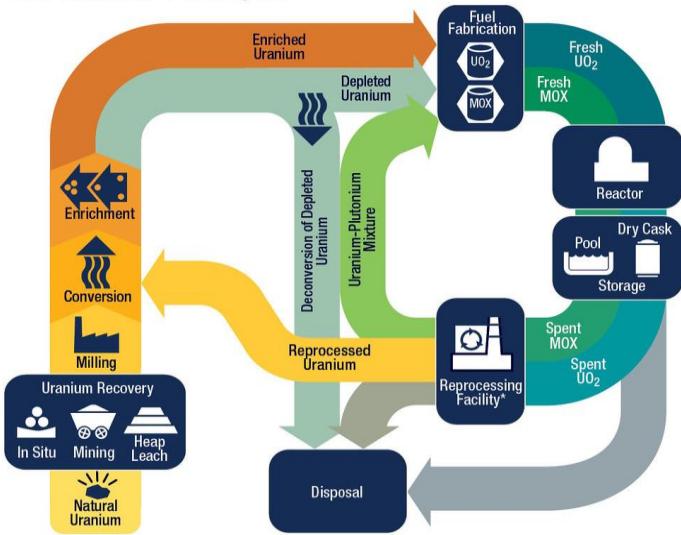
- **Quality Codes & Standards**
Key compliance frameworks for UK nuclear organisations.
- **Nuclear Classification & Grading**
Learn how safety importance drives supply chain classification.
- **ISO 19443 in Nuclear**
Beyond ISO 9001: quality management tailored for the nuclear sector.
- **Counterfeit, Fraudulent & Suspect Items (CFSI)**
Learn to identify and prevent risks in nuclear supply chains.

- **The ASME 18-Point Checklist**
Understand a key tool for nuclear quality assurance.
- **Achilles Supplier Assessment**
Explore the value of this UK nuclear supply chain capability tool.
- **JOSCAR Supplier Assessment**
Learn how JOSCAR supports compliance across nuclear and wider industry.
- **Industry Standard Project Control Tools - FIDIC & NEC**
Understand their role in contracts, compliance, and delivery.

9. Supplier and Supply Chain Development (examples)

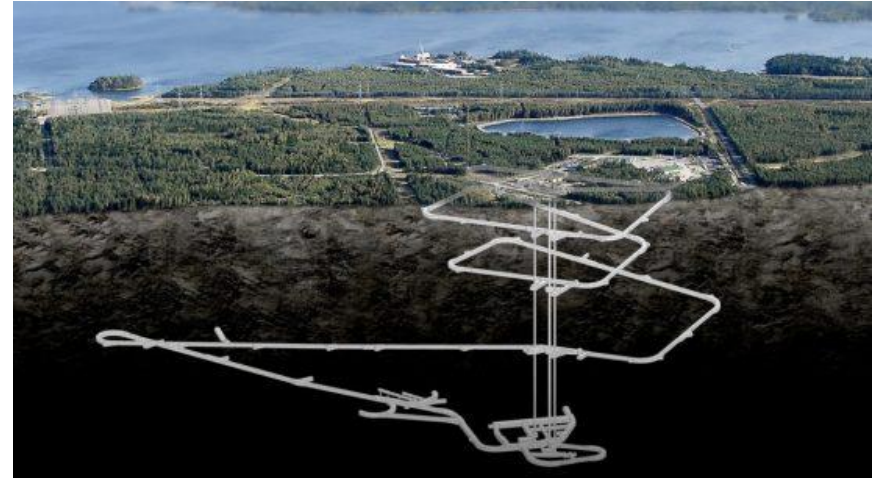
- Strategy & Leadership Alignment
- Quality Management & Assurance
- Health, Safety & Environmental Compliance
- Risk & Resilience Planning
- Ethical & Responsible Sourcing
- Operational Excellence & Lean Deployment
- Supplier Capability & Qualification
- Innovation & Technology Integration
- Continuous Improvement & Performance Tracking.

The Nuclear Fuel Cycle

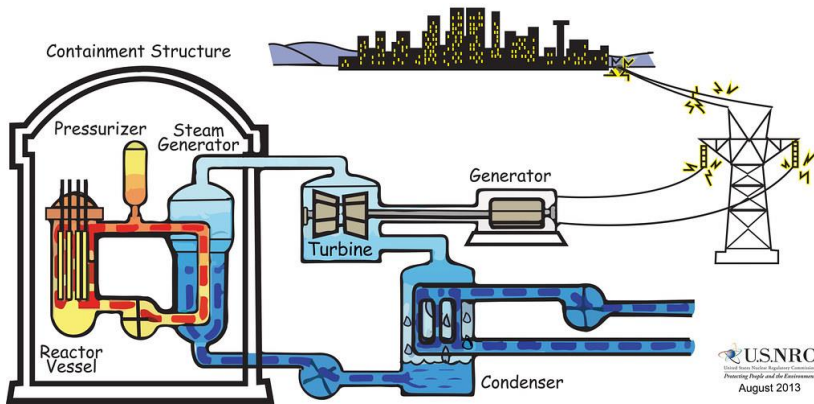


* Reprocessing of spent nuclear fuel, including mixed-oxide (MOX) fuel, is not practiced in the United States.
 Note: The NRC has no regulatory role in mining uranium.

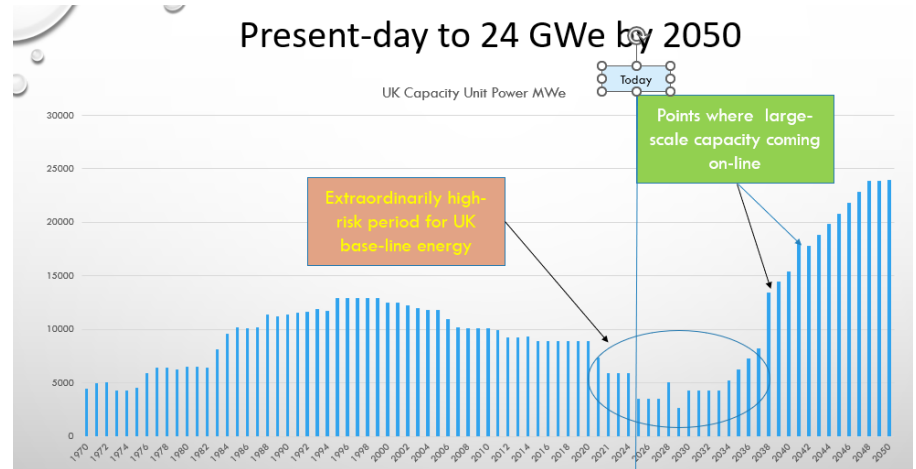
As of June 2017



The Pressurized-Water Reactor (PWR)



Present-day to 24 GWe by 2050





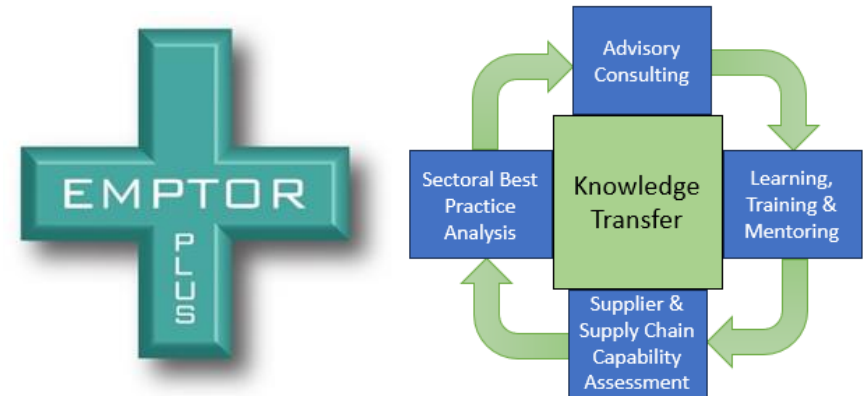
The basis of our strengths:

- Decades of front-line complex engineering and nuclear sector working,
- Unparalleled nuclear plant and operational supply chain experience.

To find out more or to take your first steps on your journey into the world of complex engineering and nuclear then please contact:

Benefits to people and companies (SMEs)

- **Market Access:** Demonstrates compliance to buyer-organisations and their recognised schemes
- **Risk Reduction:** Identifies gaps before client audits or pre-qualification or tender selections.
- **Efficiency Gains:** Uses best practice and quality-based principles, (to reduce waste).
- **Credibility:** Provides independent, structured evidence of supplier capability and, market readiness.



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Thank you for your valued interest