



**WORLD NUCLEAR
ASSOCIATION**

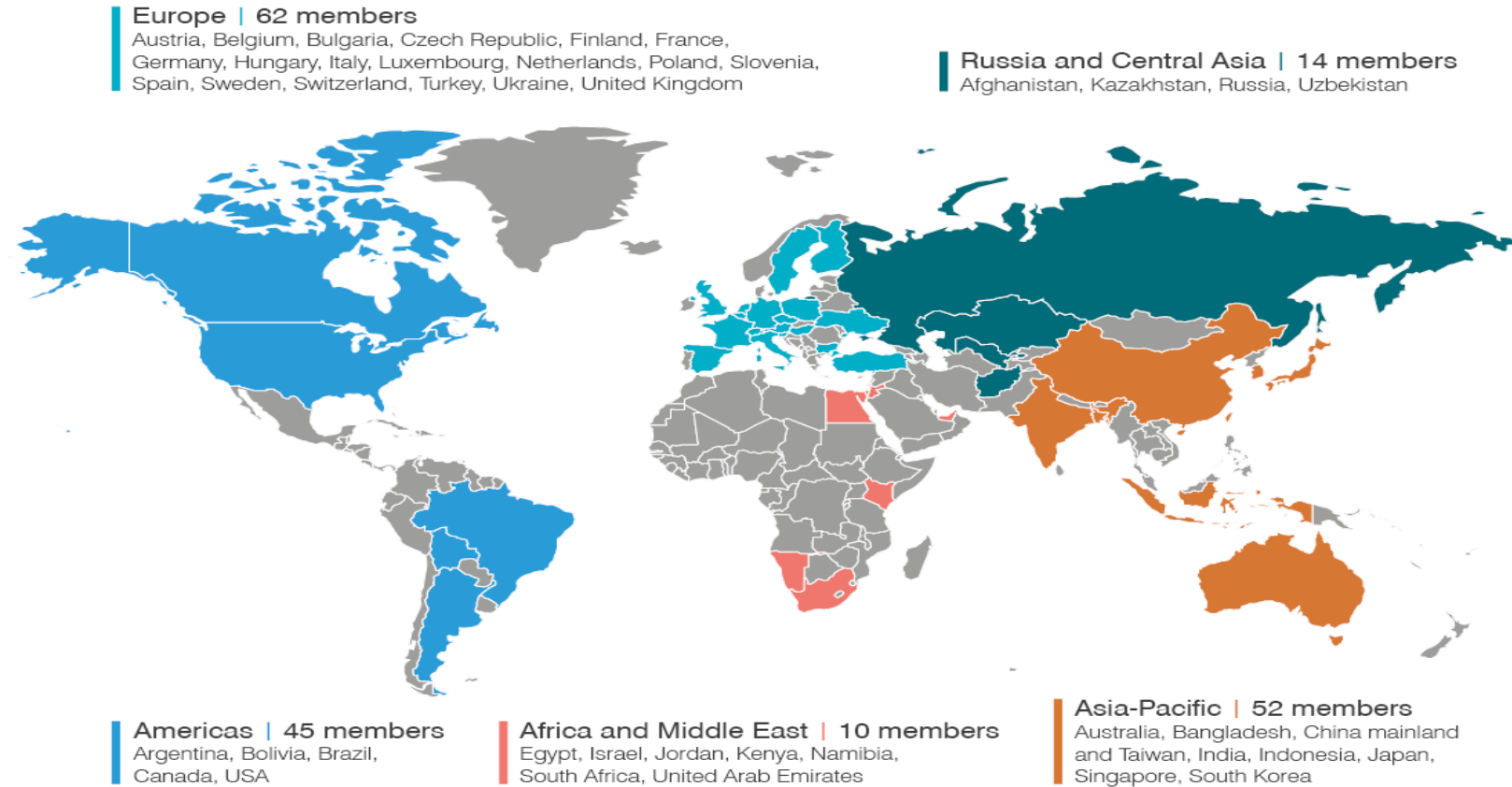
World Nuclear Association Supply Chain Perspectives and International Collaboration

**Nathan Paterson
Senior Programme Lead – Supply Chain
World Nuclear Association**



We are the voice of the global nuclear industry

**WORLD NUCLEAR
ASSOCIATION**



Major reactor vendors - nuclear utility companies - uranium mining, conversion, enrichment, and fuel fabrication companies - nuclear engineering, construction and waste management companies – R&D organizations - transport, law, insurance and finance service companies

World Nuclear Association ...



We work with, support and represent the industry



We inform and communicate on nuclear energy



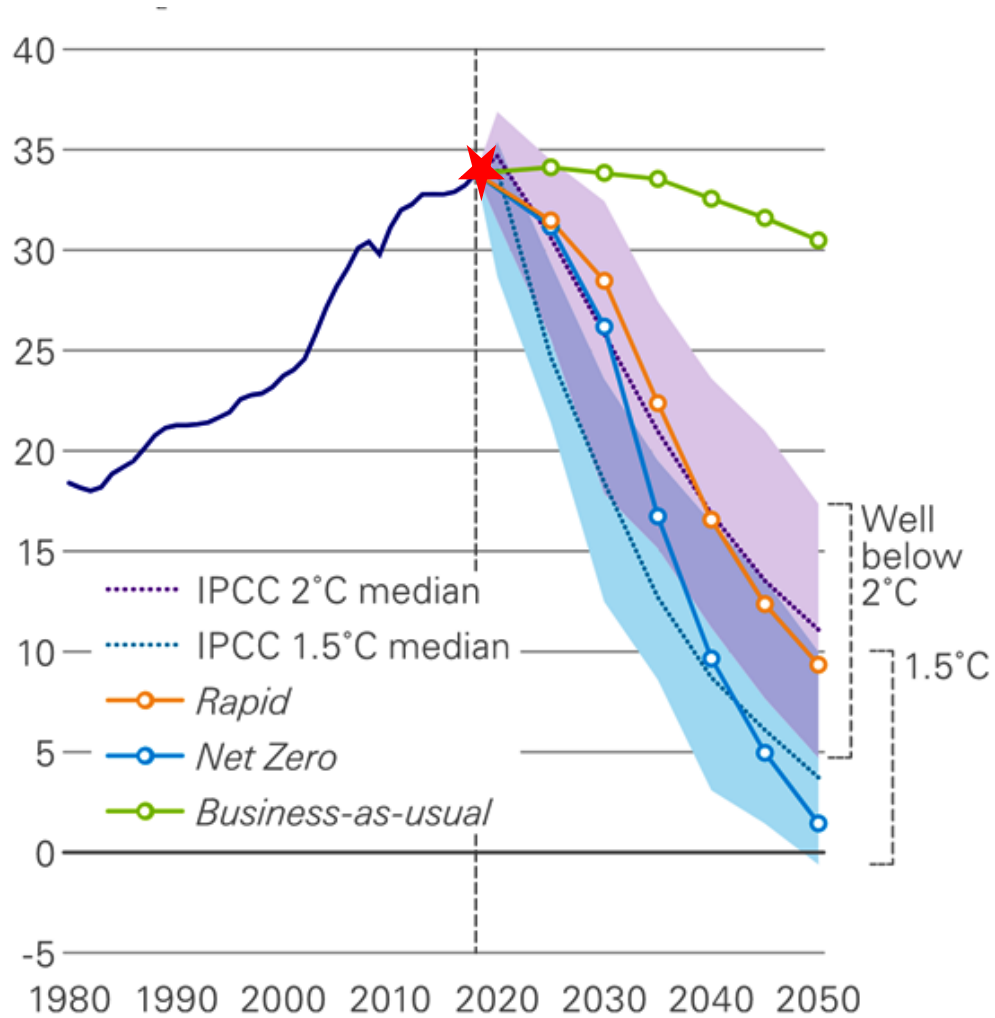
We train the nuclear leaders of tomorrow



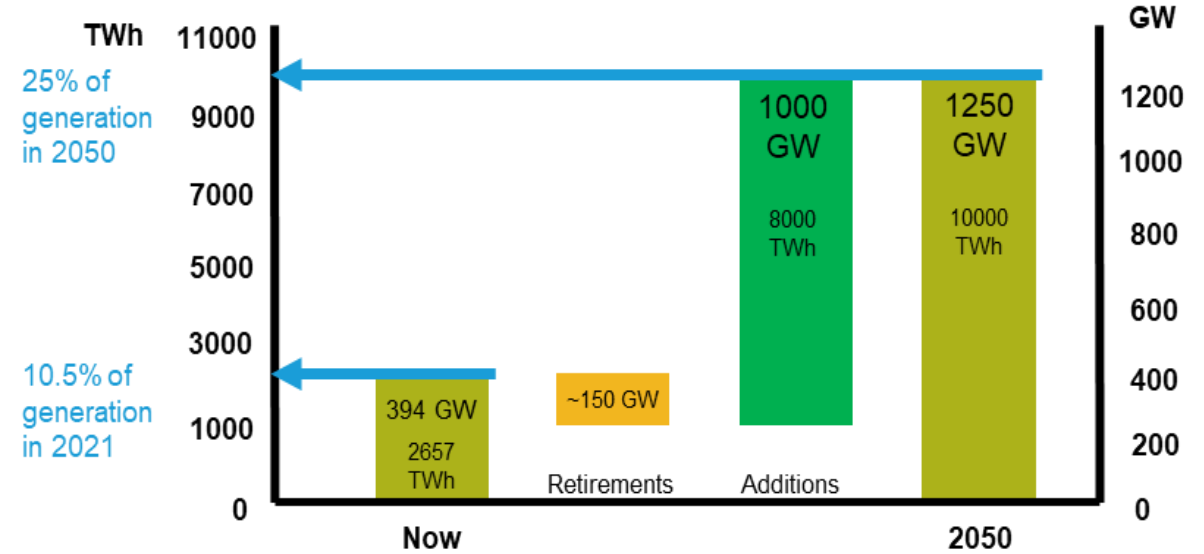
We are a thought leader for nuclear energy in the global energy debate



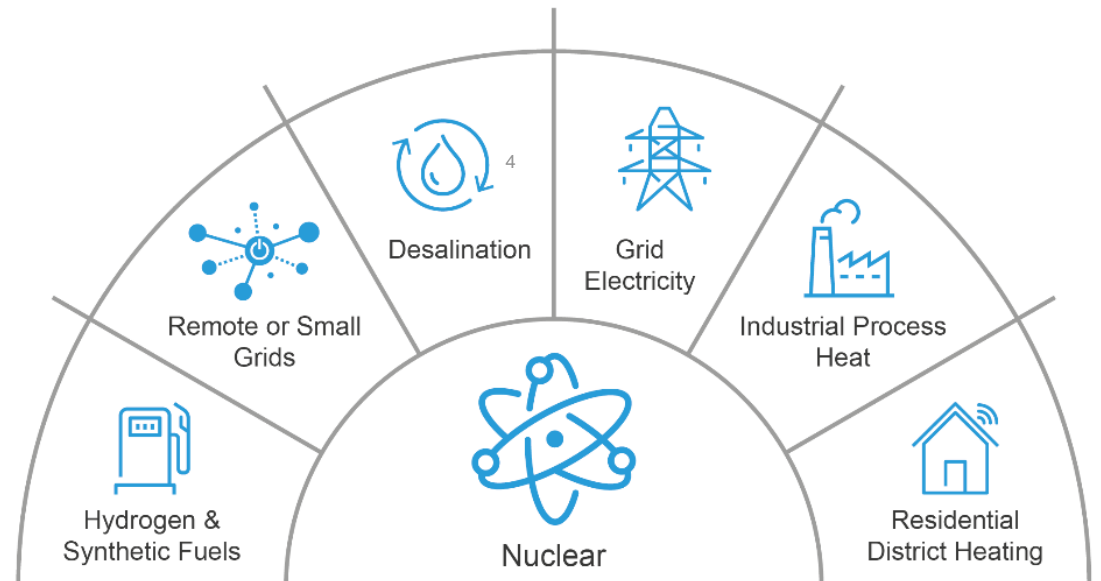
Nuclear energy is essential to address the urgency and enormity of the climate change challenge



Source: BP Energy Outlook 2020/IPCC



Source: WNA Harmony Program 2021



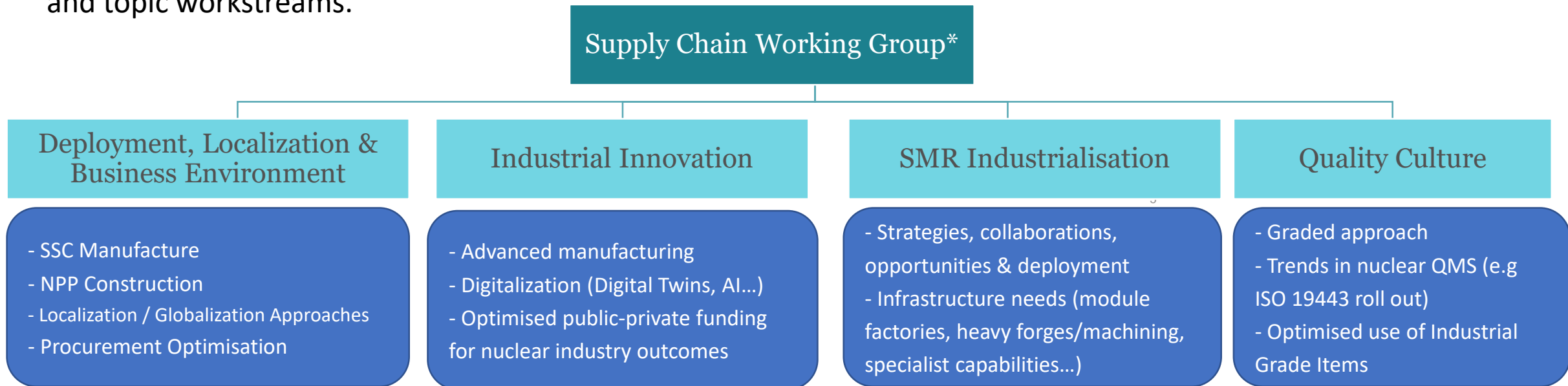


Supporting a sustainable Supply Chain

Mission > to enable:

- **An international nuclear supply that is robust, competitive and adaptive**
- **Best practice on supply chain strategies: existing fleet, LTO, new build, SMR**
- **Adoption of innovation within the supply chain, public-private collaboration and a sustainable business environment**

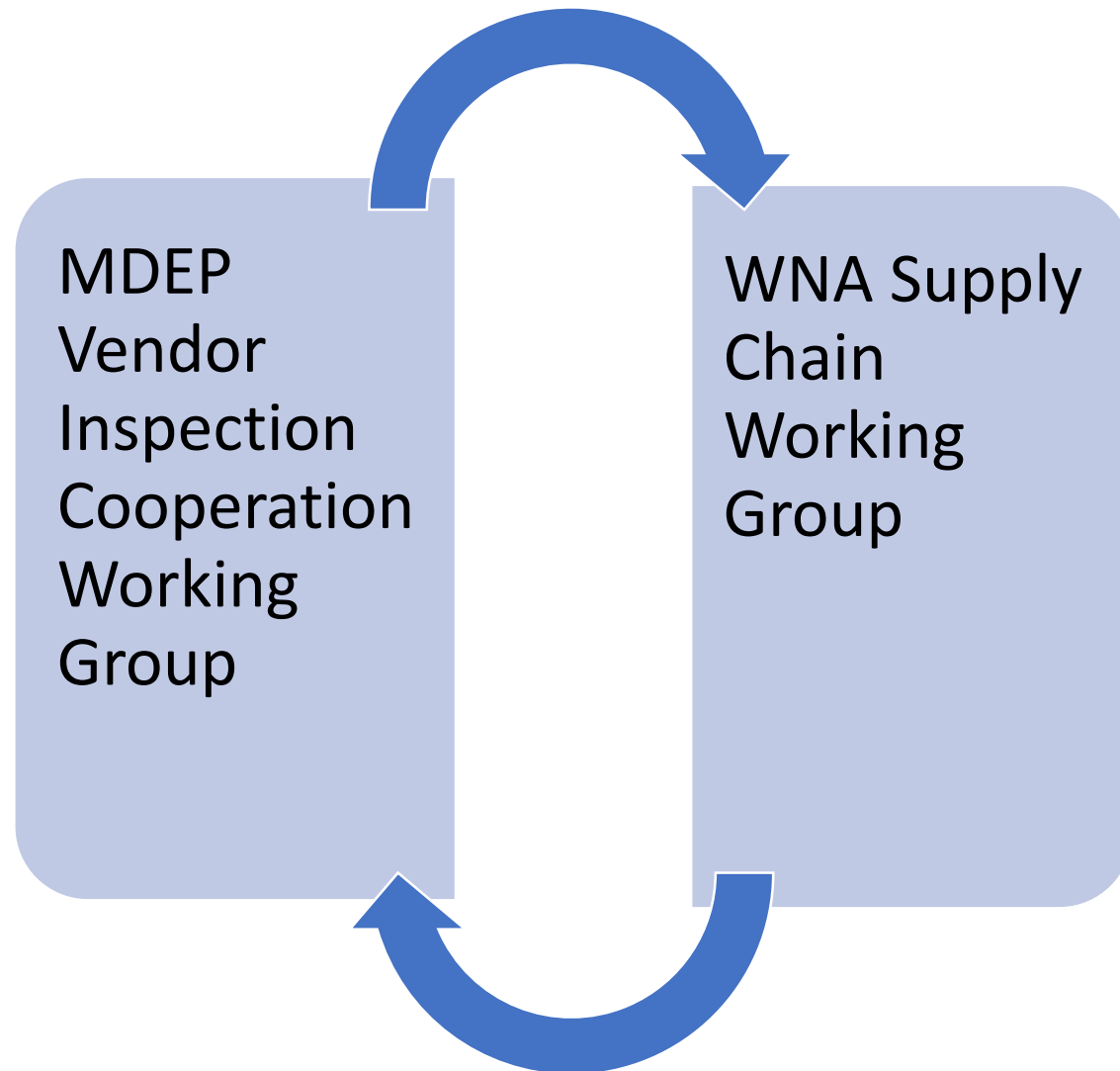
Approach to outline the key market trends, factors and opportunities for the supply chain - WNA member participation supporting specific topic positions & actions. Consolidation in biannual report and topic workstreams.



**examples of key topics in scope*

© World Nuclear Association 2023

■ ■ ■ Collaboration with VICWG a key enabler




- Discussion on key priorities
- Some mirrored activities on common positions
- Supply Chain Management Workshop
- Explore synergies



leveraging industry expertise in key topics

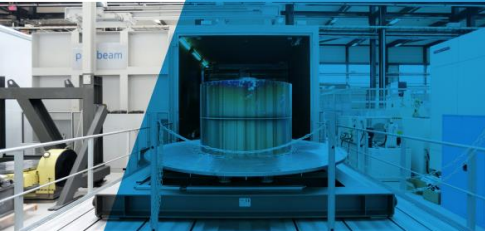
WORLD NUCLEAR ASSOCIATION



Countering Counterfeit, Fraudulent and Suspect Items in the Nuclear Supply Chain

Supply Chain Working Group

WORLD NUCLEAR ASSOCIATION




Advanced Manufacturing of Nuclear Components

Accelerating the harmonized development of codes and standards


Cooperation on Reactor Design Evaluation and Licensing Mechanical Codes and Standards Task Force

WORLD NUCLEAR ASSOCIATION



Lesson-learning in Nuclear Construction Projects

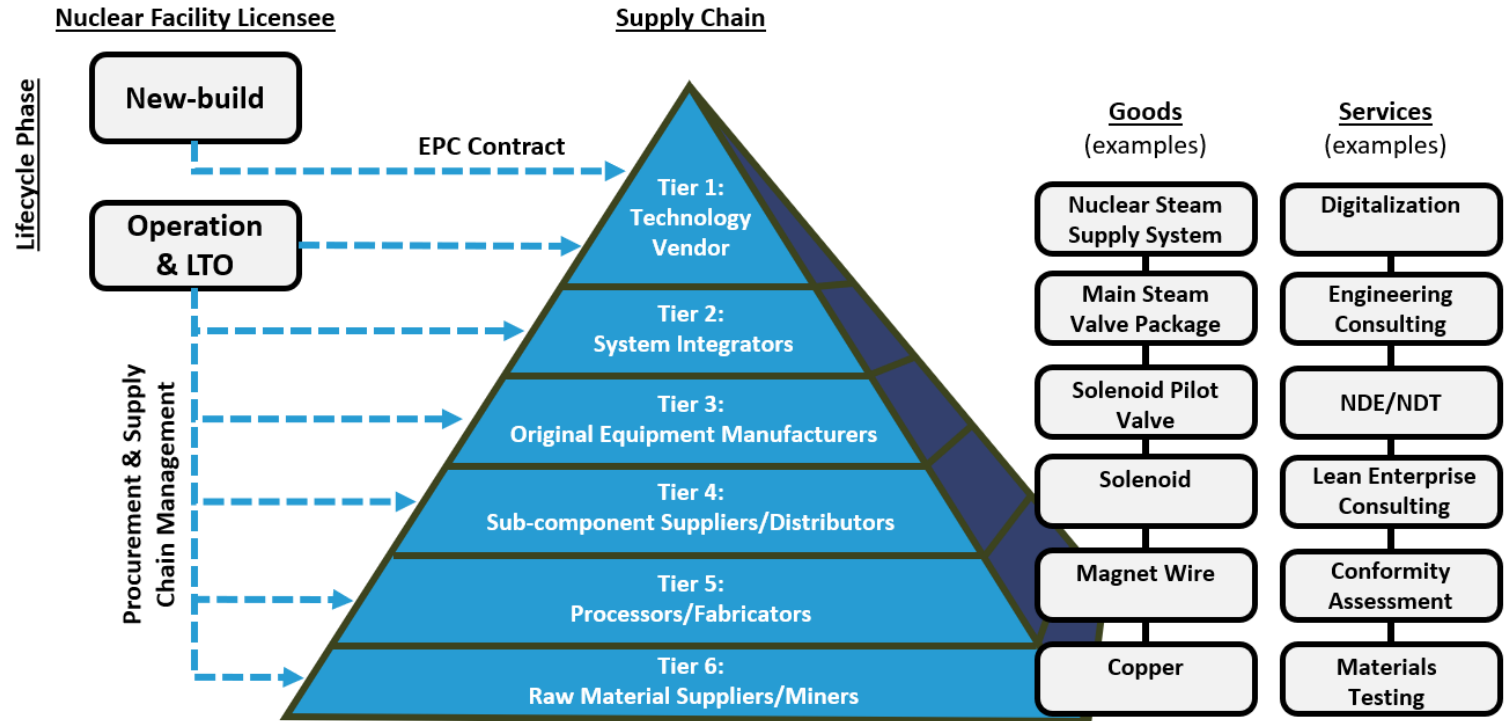
WORLD NUCLEAR ASSOCIATION



The World Nuclear Supply Chain

Outlook 2040

Outlook: Embedding quality throughout the supply chain



Some other key topics considered:

- Adoption of innovation (Digital twins, AM wider use, automation)
- Nth-of-a-Kind supply chain planning
- Optimization of use of COTs items



If you have any questions, feedback or comments please contact:

Nathan Paterson
Senior Programme Lead – Supply Chain
World Nuclear Association



www.world-nuclear.org
info@world-nuclear.org