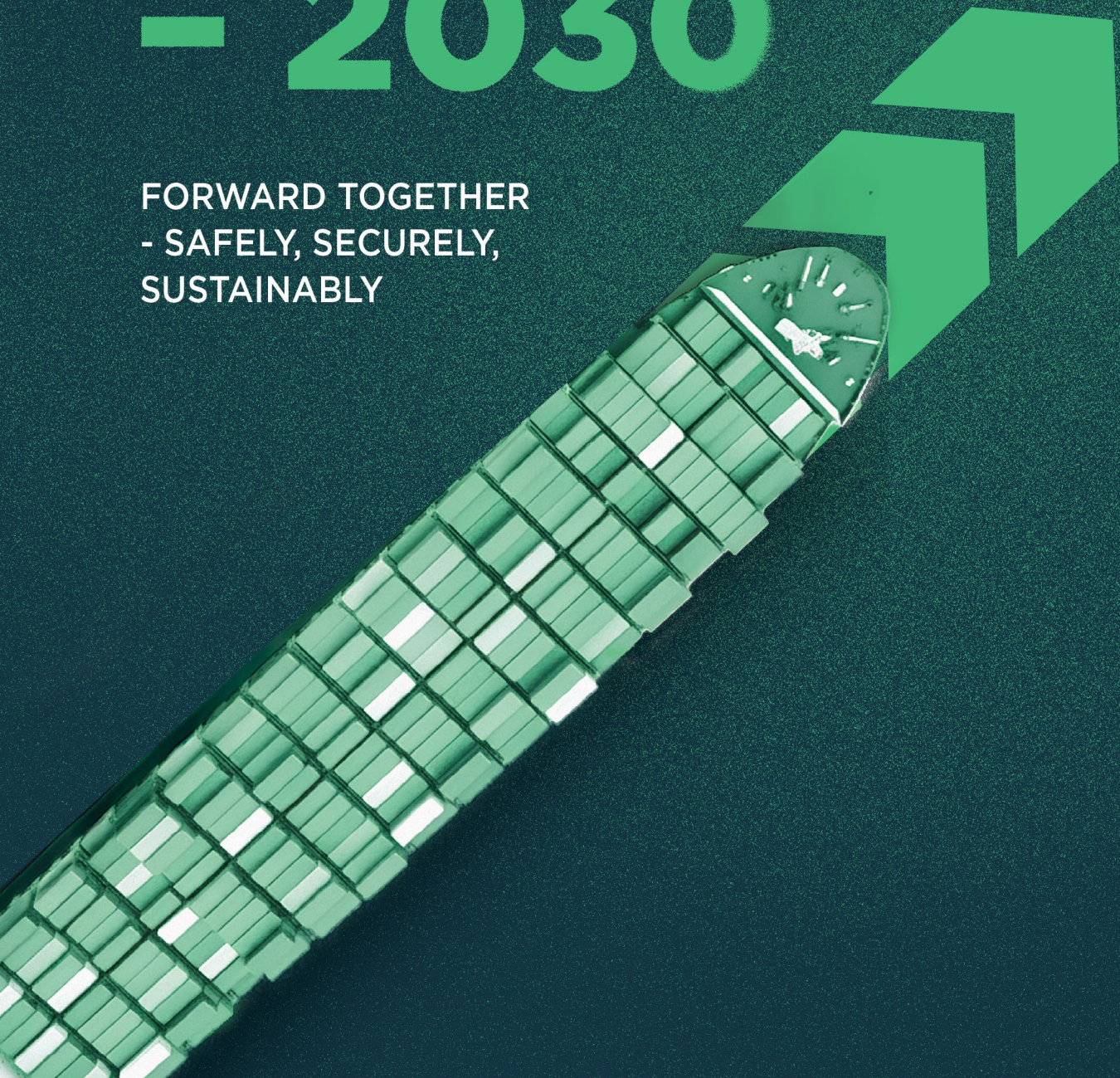




world nuclear
transport institute

STRATEGY FOR 2025 - 2030

FORWARD TOGETHER
- SAFELY, SECURELY,
SUSTAINABLY



Prof. Pete Bryant FSRP CRadP

Introduction from our CEO



As the world intensifies efforts to meet climate and sustainable development goals, technologies using nuclear and radioactive materials are entering a new era of growth and innovation. This transformation goes far beyond power generation - it includes radiopharmaceuticals, sealed sources, industrial applications, and new technologies like Small and Advanced Modular Reactors and Transportable Nuclear Power Plants (TNPPs).

None of these advances will be possible without the safe, secure, and sustainable transport of nuclear and radioactive materials.



For over 25 years, the World Nuclear Transport Institute (WNTI) and our members have supported this mission - providing expert insight, fostering international cooperation, and ensuring the global movement of nuclear and radioactive materials is conducted to the highest levels of safety and security. But as technology evolves, expectations increase, and the global footprint of the sector expands, we must be ready to lead the next phase.

Our 2025-2030 strategy reflects that ambition. It is built on three clear aims: global influence and partnerships,

delivery and community-building, and future-proofing transport for the next generation of innovation. Underpinning this is our commitment to Environmental, Social and Governance (ESG) principles - to act responsibly, inclusively, and with transparency in everything we do.

Together with our members, partners, and the wider international community, we are committed to delivering this future, moving forward together - safely, securely and sustainably.

Prof. Pete Bryant FSRP CRadP
Chief Executive Officer



Our Purpose, Mission and Vision

Our purpose, mission and vision define who we are, what we aim to achieve, and why it matters - not just to our members, but to the global community we serve.

Purpose

“To enable the safe, secure and sustainable transport of nuclear and radioactive materials – delivering progress in clean energy, global health, and industrial innovation.”

Mission



To grow a global members' organisation comprising parties interested in radioactive material (“RAM”) transport;



To promote the interests of our members;



To communicate with and establish influential and educational fora for our members and stakeholders to exchange views and information to promote safe, secure and sustainable international RAM transport;



To influence and promote the implementation of international RAM transport policy, regulation and strategy; and



To promote the development, and safe and secure use of nuclear power and RAM across existing and future applications.

Vision for 2030

“Together with our members and partners, WNTI will shape the future of nuclear and radioactive material transport – supporting innovation, protecting people and the environment, and delivering progress.”

To deliver our vision, WNTI will focus on three strategic aims. Each is supported by practical objectives that reflect the needs of our members, the expectations of the international community, and our commitment safety, security and sustainability.

Strategic Aim 1: Global Influence and Partnerships

Amplify the voice of our members on the global stage - building partnerships, shaping policy, and strengthening societal trust in the transport of nuclear and radioactive materials that support clean energy, healthcare, and industry.

The transport of nuclear and radioactive materials is a global issue. Through this aim, WNTI will deepen its engagement with international organisations, regulatory authorities, and policy influencers - ensuring the views and needs of the transport sector are effectively represented, understood, and integrated into international frameworks.



Objectives

Contribute actively to the work of the International Atomic Energy Agency (IAEA), International Maritime Organisation (IMO), International Commission on Radiological Protection (ICRP) and Organisation for Economic Co-operation and Development Nuclear Energy Agency (OECD NEA).



Build relationships with international and national bodies, competent authorities and ports to support safe, secure, sustainable and efficient transport of nuclear and radioactive materials, skills development, and deployment of advanced technologies, including Transportable Nuclear Power Plants (TNPPs).

Expand and diversify membership - aiming to double the WNTI membership by 2030 with representation from all continents across the globe.



Launch the Clear Pathways initiative to improve stakeholder understanding, engage with the public, and build confidence in nuclear and radioactive material transport.

Increase WNTI's global presence through strategic communications, modern platforms, and public engagement campaigns.



Strategic Aim 2: Deliver Impact and Strengthen the Community

Empower our members to deliver meaningful outcomes - through collaboration, shared expertise, and a thriving global community working together to advance safe, secure, and effective nuclear and radioactive material transport.

WNTI is more than a forum for discussion - it is a delivery platform. Through this aim, we will translate insight into action, enabling our members to address real-world challenges while building the capacity, knowledge, and resilience of the global nuclear and radioactive material transport community.

Objectives

Establish member-led Committees and focused Task Groups to address operational challenges and future needs.



Publish guidance, technical standards, and position statements to support harmonised, high-quality transport practices.

Deliver a robust programme of events, including an Annual Conference, technical workshops, and member-led regional forums.



Launch the WNTI Centre of Excellence, supporting skills development, research, and training in partnership with academic and sector organisations.

Recognise and develop talent through WNTI awards, outreach, and grants – helping attract and retain a diverse, capable transport workforce.



Ensure WNTI's long-term resilience through financial diversification, new revenue streams, and a clear, compelling value proposition for members.



Strategic Aim 3: Nuclear and Future-Proofing Nuclear and Radioactive Material Transport

Support innovation and sustainability across the sector - helping members adapt to future challenges while delivering transport systems that are resilient, low-carbon, and ready to meet global environmental and societal needs.

The future of nuclear and radioactive material transport is full of possibility. Through this aim, we will help our members and partners prepare for what's next - from technology to infrastructure, from climate resilience to global risk.

Objectives

Track global developments including TNPPs, space-based systems, fusion, new fuel types, management of nuclear and radioactive liabilities, and advanced nuclear and radioactive material logistics.



Identify and address gaps in transport infrastructure, packaging, emergency preparedness, and cross-modal integration.

Promote regulatory and technical alignment across regions and transport modes to reduce inefficiencies and improve readiness.



Champion sustainable practices - from low-carbon transport to circular packaging systems and environmental responsibility.

Support sector-wide resilience through foresight, scenario planning, and risk-informed guidance.





Our Responsibility and Commitment

As a global institute, WNTI is committed not only to technical and policy leadership but to being a responsible and transparent organisation - delivering value for our members and contributing positively to the world around us.

Our strategy is grounded in the principles of Environmental, Social and Governance (ESG) - recognising that what we do, and how we do it, matters.



Environmentally, we support the shift towards a more sustainable and resource-efficient future. This includes promoting reusable packaging, climate-resilient logistics, and low carbon innovation - as well as reducing our own footprint through responsible operations.



Socially, we are building an inclusive, trusted community that reflects the diversity of our sector and society. Through training, awards, public engagement and the Clear Pathways initiative, we will continue to foster understanding, dialogue and opportunity.



In governance, we will uphold transparency, accountability, and member-led leadership - ensuring our decisions are fair, informed, and in service of our collective mission.

Each year, WNTI will review its progress against this strategy and report transparently to our members and stakeholders. As we do, we will remain flexible - adapting to new challenges, opportunities, and ideas.

Together with our members and partners, we will deliver the outcomes that matter, safe and secure transport, global cooperation, and a more sustainable future for technologies making use of nuclear and radioactive materials.

We welcome all those working in this space - international bodies, governments, regulators, operators, industry, innovators, and civil society - to join us in moving forward: safely, securely, and sustainably.



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