Dedicated to the safe, secure, efficient and reliable transport of radioactive materials.
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Having celebrated 20 years in 2018, it is important that we continue to be prepared and to focus on the work needed over the next 20 years.

Given this importance, the WNTI Board members agreed for a ‘peer-review’ of the recent Strategy work and we will be incorporating the key proposals from this work into the updated 2020 Strategy Action Plan. This work will be completed in early 2020.

During this year we have had some changes to the WNTI Board and I have been pleased to welcome Mr Nabeshima (ORC) and Mr Tokunaga (NFT) to the WNTI Board. I know they bring some extensive experience to the WNTI board.

As always, we continue our ‘foundation stone’ work with IAEA, IMO, ISO and we are extremely grateful for our members’ ongoing support in ensuring that we are well represented as the ‘Voice of the Transport Industry’ at these meetings.

Outside of our regular Members’ interactions, we continue to look to engage with the emerging and developing nuclear markets. As such, the WNTI held a further Seminar, in cooperation with the Chinese Nuclear Society, in Beijing in November. We are hopeful this will also lead to further WNTI members. In addition, we have also been asked by the Namibian Uranium Association to hold a further Workshop in Spring 2020. I hope members will be able to also join these events.

As always, we continue our ‘foundation stone’ work with IAEA, IMO, ISO and we are extremely grateful for our members’ ongoing support in ensuring that we are well represented as the ‘Voice of the Transport Industry’ at these meetings. Thank you for your continued support.

The WNTI Board members have committed that some of the Board members will attend each SAMP and we would certainly be pleased to hear your views at the SAMP in December.

Finally, whilst it currently seems a long way off, the WNTI looks forward to welcoming its members and others to the French Riviera in 2022. Of course there is much work to do in the interim and I am sure we can count on the contribution of the WNTI members.

Bon Courage!

David Ohayon, Chairman
Firstly, as last year, I would like to extend my thanks to the WNTI members for their on-going contribution to maintaining the WNTI as ‘The Voice of the Nuclear Transport Industry’.

From my perspective, WNTI’s collective standing and influence was extremely clear at PATRAM in New Orleans, with our Logo, and the INMM logo, on the main screen in the centre of the Plenary meeting room stage. I recognise that all the contributors from our member companies have a challenging day job, so a genuine ‘Thank You’ for your efforts on PATRAM.

We have prepared WNTI TODAY 2020 for the issue at the WNTI SAMM meeting in London, so it will reflect most of the 2019 activities and allow us to get an early glimpse of the 2020 planned activities.

2019 has seen some significant events for WNTI. PATRAM 2019 brought together some 650 specialists in our industry sector from around the world to New Orleans. In advance of the PATRAM 2019, due to the venue being changed, we (almost) had a venue/city fixed and we (almost) had a venue/city fixed and then the city had to withdraw some 20 days before PATRAM 2019, due to the venue being planned for refurbishment! Therefore in New Orleans I had to announce the French Riviera. Before the time of this publication we intend to have the venue secured. I hope to utilise this opportunity.

Within the Head Office we have had a few changes. Anne Preta moved back to Orano at the end of her 3 year period and Scott Edwards arrived from the US in mid-2019 and is known to many members. Scott will focus on IAEA activities and provide support and, as also stated last year, to all members who completed the questionnaires and will provide a further update on this work to the members at the SAMM. One key element of this is the update to the WNTI Website. This project has commenced and we are hopeful it will be live in early 2020. We intend to gain the views of members as it progresses. We have already taken into account the member views provided to date.

As always, thank you for your on-going support and, as also stated last year, "Collectively we will continue to be the Voice of the Nuclear materials transport industry."

Also during 2019 the WNTI team have settled into the new (WeWork) offices in Holborn. Overall, it is a significant improvement on the old office for the WNTI team and for our members who visit. It is also positive to be able to hold our Advisory Committee and Board meetings within the building and this allows us to develop more engagement between the WNTI Board and AC and the WNTI team.

Additionally, it means we are also able to offer our members access to the meeting rooms at no cost. This provides a good opportunity for members to save cost (increase value) from the WNTI membership. Please continue to utilise this opportunity.

Within the Head Office we have had a few changes. Anne Preta moved back to Orano at the end of her 3 year period and Scott Edwards arrived from the US in mid-2019 and is known to many members. Scott will focus on IAEA activities and provide support and, as also stated last year, to all members who completed the questionnaires and will provide a further update on this work to the members at the SAMM. One key element of this is the update to the WNTI Website. This project has commenced and we are hopeful it will be live in early 2020. We intend to gain the views of members as it progresses. We have already taken into account the member views provided to date.

As always, thank you for your on-going support and, as also stated last year, "Collectively we will continue to be the Voice of the Nuclear materials transport industry."

In parallel to all of the above we are continuing to progress the overall ‘Review and Refresh’ Strategy. I will provide a further update on this work to the members at the SAMM. One key element of this is the update to the WNTI Website. This project has commenced and we are hopeful it will be live in early 2020. We intend to gain the views of members as it progresses. We have already taken into account the member views provided to date.

As always, thank you for your on-going support and, as also stated last year, "Collectively we will continue to be the Voice of the Nuclear materials transport industry."
Founded in 1998, by BNFL (now International Nuclear Services Ltd) of the United Kingdom, Cogema (now Orano) of France and the Federation of Electric Power Companies (FEPC) of Japan, the World Nuclear Transport Institute (WNTI), a Non-Governmental Organisation, was created to represent the collective interests of the nuclear and radioactive materials transport industry and those who rely on the safe, secure, efficient and reliable transport.

Through WNTI, members are working together to maintain a sound international transport framework through consensus, co-operation and understanding.

WNTI has grown to be an organisation with 3 possible levels of membership and almost 50 international member companies involved in activities across the nuclear fuel cycle. Relationships with the IMO, IAEA and other international organisations have been developed, and overall transport of nuclear materials has been undertaken in a safe and secure manner.

WNTI Vision

For the transport of nuclear materials to be regarded as safe and secure, and as a model for the transport of hazardous materials of all kinds.

Our Mission

To be recognised as the voice of the nuclear materials transport industry by utilising its members' skills and knowledge to maintain and improve the safe, secure, efficient and reliable transport of nuclear materials.

The WNTI membership is honoured to be representing our overall sector at the many important meetings of these Agencies.

Our Objectives

WNTI reviewed its Vision, Mission and Objectives as part of its ‘Review and Refresh’ strategy update in 2018. These remain similar to the original versions and have thus stood the test of time. They form the cornerstones of the Annual Work programme and budget that WNTI produces each year. These enable our day-to-day activities to be linked to our formal company level objectives:

- To promote the continued development and worldwide use of Nuclear Power;
- To ensure that nuclear materials are transported by sea, land and air in a safe, secure, efficient and reliable manner;
- To support, consult and participate in the work of Governmental and Non-Governmental bodies to support the safe and secure transport of radioactive materials (IAEA, IMO, Domestic regulators etc);
- To establish and maintain a forum for the exchange of good practice, innovation and views on the foregoing (SAMM);
- To support research and development and testing for systems and components for Transport.
WNTI Organisational Structure and Team

WNTI involves a team of some 25 people with their own expertise and dedicated to our core objectives.

WNTI Board of Directors

David Ohayon (Chairman)
Orano TN

Peter Buchan
International Nuclear Services

Christopher Watson
International Nuclear Services

Masato Nabeshima
Overseas Reprocessing Committee

Yoshihisa Tokunaga
Nuclear Fuel Transport Co. Ltd

Eric Delaunay
Orano TN

Michael White
Sellafield Ltd

WNTI Advisory Committee

John Mulkern
Chairman

Zeinon Thomas
International Nuclear Services

Mathilde Gautier
Orano TN

Toshiro Umeda
Overseas Reprocessing Committee and Japan Regional Representative

WNTI Regional Representatives

Anne Presta
Orano TN

Katsuhito Kamitomi
Nuclear Fuel Transport Co. Ltd

Martin Porter
Sellafield Ltd

Adam Thompson
International Nuclear Services

Steven Shi
China Representative

Frank Boulton
Australian Representative

Katinka Theron
Southern Africa Representative

Eileen Supko
North America Representative

Secretariat Headquarters, London

John Mulkern
Secretary General

Chris Chen
Company Secretary, Finance & Operations Manager

Simon Chaplin
Specialist Advisor

Hirotaka Nojima
Specialist Advisor

Scott Edwards
Specialist Advisor

Amy Northage
Membership & Events Executive

Francesca Houslander
Communications Officer

Ayomide Agbaje
Finance & Admin Assistant
WNTI is the only Nuclear Transport NGO granted Observer status at the International Atomic Energy Agency (IAEA) and Consultative status at the International Maritime Organisation (IMO). We are proud to be in a unique position to officially represent our members’ interests, where updated regulations are developed.

As a member, become a part of the leading international organisation that is representing the collective interests of the radioactive materials transport sector and shaping the future of nuclear transport for the better. Membership is open to companies involved in or which attach importance to the transport of radioactive materials for peaceful purposes.

For further information on membership please contact Amy Northage: amyn@wnti.co.uk

Membership Categories:

With 3 categories to choose from, Membership to WNTI is available as follows:

FULL MEMBERS
Make a substantial commitment and are actively involved in WNTI’s strategy and development via direct involvement in the WNTI Board and Advisory Committee.

ASSOCIATE MEMBERS
Actively participate in the development of Good Practices and Position papers through the Industry Working Groups. They have access to all information produced by the WNTI and all meetings held; and if applicable, provide expert advice and experience from lessons learnt in support of the WNTI activities.

SUPPORT MEMBERS
Smaller companies with lesser direct involvement in nuclear transport activities but play an important role in the overall supply chain. They will have access to information produced by the WNTI and are welcomed to participate in the WNTI Plenary Members Meetings and Seminars.

Benefits of WNTI Membership:

• Support the promotion of safe, secure, efficient and reliable transportation of nuclear and radioactive materials.
• Connect with technical experts from across the nuclear fuel cycle to resolve common issues.
• Influence decisions and outcomes for industry progression.
• Access to technical and regulatory platforms to share and further develop common industry positions and good practices on strategic issues.
• Information Exchange - Lead others in good practice via Publications.
• Privileged access to reports, presentations and regulations updates through our members portal network.
• Network within a global forum for Nuclear Transport.
• Free attendance to all WNTI member events, meetings and workshops.
• Enhance your company’s international profile and visibility.
# Highlights from 2019

## January
- New Branding
  - WNTI launched our new logo and branding
- WNA Symposium
  - WNTI attended and advised on transport matters at their Transport Working Group

## February
- Venue Preparation
  - Initial visit to French Riviera for Patram 2022 venue preparation work

## March
- Members voiced opinions on IAEA NORM Documents
  - Through WNTI, members had the opportunity to comment on two IAEA draft documents on NORM (Naturally Occurring Radioactive Material)
- Sellafeld became our first Full Member
  - Sellafeld joined the WNTI Board of Directors and was the first company to apply for our new, senior membership category
- Attend PATRAM 2019 Paper Selection Committee

## April
- Waste Management Symposium, Phoenix, Arizona
  - We exhibited to over 2000 attendees at the largest conference in the world focussing on nuclear waste management
- Project on EPR arrangements in Mediterranean region
  - Contributed substantial input at IAEA CM to finalise training material for this project
- Presented at IWA Workshop on Security of Small Modular Reactors
- Attended a IAEA Consultancy meeting on the DSN9b document in Vienna

## May
- Summer Semi Annual Members Meeting in Russia
  - With support from TENEX, hosted SAMM in St.Petersburg.
  - 80 participants from over 20 organisations attended 5 Working Group meetings in Russia. We also co-organised an exclusive members’ tour of the Isotop Terminal in St.Petersburg

## June
- U.S. Nuclear Regulatory Commission (NRC)
  - Through WNTI, members submitted comments on the draft SSR-6 harmonisation documents issued by the U.S. Nuclear Regulatory Commission (NRC)
- IAEA TRANSCC 38th meeting
  - Presented WNTI’s position paper on Freight Containers at the IAEA
- IAEA Emergency Preparedness and Response Standards Committee (EPReSC) 8th meeting
  - The draft of DS169 at Step1 was approved, reflecting WNTI comments appropriately
- IAEA International Conference on the Management of Spent Fuel from Power Reactors

## July
- Attended IAEA Nuclear Security Guidance Committee (NSGC) 15th meeting
- New Specialist Advisor Scott Edwards joined WNTI
- Presented lecture at the World Nuclear University
- Participated in an IAEA Consultancy Meeting to revise the draft of SSR-2b, Advisory Material for the IAEA Regulations for the Safe Transport of Radioactive Material

## August
- PATRAM 2019
  - WNTI and INMM jointly organised the PATRAM 2019 conference in New Orleans, attracting over 650 delegates from the nuclear transport and packaging industries.
- Bruno Desnoyers became SSR-6 Working Group Chairman

## September
- IMO CCC Sub-Committee
  - A member state presented a paper on NORM material to which WNTI made an intervention, stating the collective position of the WNTI membership. WNTI also submitted a document supporting the proposal to develop a model training course for Class 7 training material
- World Maritime University Lecture
  - Presented lecture on the maritime transportation of INF material

## October
- IAEA General Conference
  - (IAEA) Technical Meeting on Technical and Operational Issues Related to the Transportation of High burnup and Irradiated Mixed Oxide Fuels and the Transportability of Long-Term Stored Spent Fuel

## November
- China Seminar
  - Held the China Seminar on the Transport and Packaging of Radioactive Materials in China. In partnership with CNS

## December
- Winter SAMM
  - Winter SAMM took place between 4th - 5th December in London, including 5 Working Group meetings and Plenary Day
- ECOSOC Sub-Committee of Experts on the Transport of Dangerous Goods in Geneva

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**Notes:**

- **WNTI 2020 Highlights from 2019**
- **January - December**
- **Summary of key events and initiatives from January to December 2019**, focusing on transport and nuclear security-related activities.
Radioactive materials are transported by road, rail, sea, inland waterways and air. Shipments range from smoke detectors to radiopharmaceuticals to nuclear fuel cycle materials used for power generation to waste. To sustain these important activities, organisations and people around the world depend on safe, secure, efficient and reliable transport of the full range of nuclear materials. The safety record of these shipments is impressive.

“In over 50 years there has never been a transport incident involving nuclear materials that has caused significant radiological damage to people or the environment.”

Over this period a stringent regulatory regime has been developed at both international and national levels. This regime includes standards, codes and regulations, which have been continuously revised and updated over the past decades to keep abreast of the latest technologies, environmental concerns and political views.

THE IAEA REGULATIONS FOR THE SAFE TRANSPORT OF RADIOACTIVE MATERIAL

Regulations are based on the fundamental principle that radioactive material being transported should be packaged adequately, to provide protection against the various hazards of the material under both normal and potential accident conditions. Safety, therefore, relies on the packaging adapting to its radioactive contents, whatever the transport mode.

Since safety depends primarily on the packaging, the regulations provide performance standards for each type of packaging used for the transport of radioactive material.

Five different types of packages (Excepted, Industrial, Type A, Type B and Type C) have been established. The criteria for each package design type is based on both the activity and the physical form of the radioactive material they may contain. The IAEA Regulations set out corresponding test or analysis procedures to demonstrate compliance with the required performance standards.

The provisions of the IAEA Regulations are adopted in the national requirements of Member States. The IAEA Regulations are also incorporated into the regulations relative to each mode of transport issued by international or regional bodies, such as the IMO IMDG code and ICAO Technical Instructions.

WNTI has Observer Status at the IAEA and other international bodies, so WNTI is able to participate in the discussions where new or revised regulations are determined.

WNTI's members collaborate to produce Best Practice documents, which provide methods and techniques to comply with IAEA regulations. These are freely accessible on our website.
Semi Annual Members Meeting (SAMM)

The Semi-Annual Members Meetings (SAMM) are the featured events for WNTI and our Members; taking place each Summer in a Member destination and Winter in London.

The meetings are split across two days and attended by Transport, Security, Logistics, Mining, Compliance and Packaging experts from within the industry and across the world.

There are five, bespoke working groups which are led by representative Chairmen from within the membership body. They provide a great platform to exchange ideas, debate disciplines, share knowledge and experience and the opportunity to work together on current issues and anticipate future needs.

“The participants at our last SAMM event collectively held 1700 years of Nuclear Transport experience. Being a WNTI member opens the door to this major Transport Network.”

80 DELEGATES

UP TO 14 COUNTRIES

35+ SPEAKERS

05 PRESENTATIONS

02 DAYS
Our suite of publications includes Fact Sheets, Information Papers, Good Practice Guides and Standards. These are freely available to download on www.wnti.co.uk.
Established in 2000, this group permanently establishes and defends our industry’s position at the IAEA Transport Safety Standards Committee (TRANSSC), with respect to the issuance and maintenance of IAEA Standards and Guides related to the Safe Transport of Radioactive Material. The scope of our group is to address any member concerns associated with the current IAEA Transport Regulations. Our members are package design, manufacturing and shipping companies.

**THE PURPOSE OF THE WORKING GROUP**

The SSR-6 WG provides a forum for the discussion of regulatory issues that may be reviewed, or proposed for change, through the IAEA TRANSSC process.

The purpose of the SSR-6 WG is to help the IAEA and other regulators (IMO, ICAO, IATA, UNECE) provide safe and practicable rules for the transport of radioactive material. Consistent with the process implemented by the IAEA for the establishment and revision of the IAEA Regulations for the Safe Transport of Radioactive Materials (SSR-6) and other publications within the TRANSSC competencies, the SSR-6 WG collects, discusses and synthesizes proposals for amendments or comments from WNTI members in relation to these texts, and to discuss and comment proposals for change submitted by other parties.

This SSR-6 WG is also where industry can discuss and propose potential amendments to the Dangerous Goods Modal Regulations to improve their implementation. The main documents in the scope of the SSR-6 WG are the IAEA Regulations for the Safe Transport of Radioactive Material (SSR-6) and associated Safety Guides. These include the Advisory Material for the IAEA Regulations for the Safe Transport of Radioactive Material (SSG-6) and the International Dangerous Goods Regulations (UN Model Regulations; IMDG Code; ICAO TI; IATA DG; ADR, ADN and RID) are also analyzed in our SSR-6 WG.

**SUMMARY OF 2019 SUCCESSES**

In 2019, the SSR-6 WG provided and supported numerous proposals and comments and participated actively in the discussions at IAEA level in the drafting of the following safety guides being issued or revised due to the publication of Revision 1 of the IAEA SSR-6 in 2018:

- SSG-26 (Advisory Material for the IAEA Regulations for the Safe Transport of Radioactive Material)
- SSG-33 (Schedules of Provisions of the IAEA Regulations for the Safe Transport of Radioactive Material)

Significant and numerous improvements in the explanatory texts and recommendations contained in these documents have been proposed by WNTI SSR-6 WG to ensure consistency with the requirements of SSR-6 and for their understanding. Most of them have been accepted by the TRANSSC Members. Through the active participation of WNTI Members, it was also possible to introduce certain industry issues into these discussions. These included the status of opened containers in the IMDG Code, CSI limits onboard seagoing vessels, proposal for a new fissile exception for clean and washed out 308 cylinders.

**FUTURE WORK IN 2020**

The SSR-6 WG will maintain its vigilance and active participation in the establishment or revision of the texts relating to the transport of radioactive materials under the jurisdiction of the IAEA TRANSSC, Safety Guides on RPP and Management Systems.

Particular attention will be paid to the following items, in order to find a common position between WNTI Members: How to implement the new requirements regarding age mechanisms in the package design safety reports? What can be the simplest content of the PDSR for the simplest Package Designs (examples for Excepted Packages and IP-1 to be developed)? What can be done by WNTI Members to support a review of the CSI limits onboard ships? The SSR-6 WG must also prepare to make proposals for improvements and developments of SSG-6 and SSG-26 as part of the review cycle expected to be initiated by the IAEA TRANSSC in 2020.

For more information, contact:

**Chair:** Bruno Desnoyers
Orano TN, DQ 3
SE – Transportation Oversight Department,
bruno.desnoyers@orano.group

**Secretary:** Scott Edwards
WNTI Specialist Advisor
sedwards@wnti.co.uk
**Back End Transport Working Group**

Spent fuel and radioactive waste from nuclear power reactors, the decommissioning of nuclear facilities and a wide range of industrial and medical facilities vary greatly in their chemical, physical and radioactive properties. Radioactive wastes have to be processed and packaged, transported for storage and eventually for disposal. The Back End Transport Working Group (BET WG) have developed a forward Workplan to identify specific BET issues and drive the delivery of tangible outputs.

**SUMMARY OF 2019 SUCCESSES**

The BET WG has continued to discuss a new type of package for intermediate level waste (ILW). This is aimed at simplifying the processes of decommissioning and reducing the number of packages to be shipped by allowing the packaging of a broader range of material in storage and transport packages. In addition, we reviewed and evaluated the workplan of the BET WG, and collected members’ interest. Furthermore, we attended the International Symposium on the Packaging and Transportation of Radioactive Materials (PARE-AM) held in New Orleans, USA. The BET WG submitted the paper ‘WNTI: An overview of our current work on back end transport issues and the upcoming challenges facing our industry’ and delivered the presentation.

Regarding WNTI Publication Revision, we almost finished revising WNTI Fact Sheet ‘Transport of Large Objects and Special Arrangements’ and commenced a new process of 2 WNTI Publications: ‘the ISM Code and purpose built vessels’ and ‘Nuclear Fuel Cycle Transport – Back end materials’.

**FUTURE WORK IN 2020**

Having reviewed and evaluated the workplan of the BET WG, the new workplan is:

- New Types of Waste Package
- Long-Term Storage of Spent Fuel and Radioactive Materials
- Cask Decommissioning
- Large Objects
- Dual Use Casks
- IAEA-TECDOC-3776 Potential Interface Issues in Spent Fuel Management
- WNTI-TECDOC: Transport of High Burnup LOX & MON spent fuel packages

We will also continue to consider new types of packages for intermediate level waste (ILW) and decide the aims of the new workstreams which have been revised based on the members’ request.

We will continue working with the IAEA and continue to review and update current WNTI Publications. We will develop new WNTI publications, where a need has been identified.

For more information, contact:

Chair: Martin Porter
Sellafield Ltd, Head of Operations, Infrastructure Consignments Services
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Secretary: Hirotaka Noma
WNTI Specialist Advisor
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**THE PURPOSE OF THE WORKING GROUP**

Spent nuclear fuel is intensely radioactive. It is transferred first from the reactor to on-site storage pools for shielding and to allow radioactivity to decay. For subsequent transport to off-site storage or reprocessing at the reactor site, in storage and transport packages. These casks are massively constructed from steel weighing typically around 100 tonnes.

The Back End Transport Working Group (BET WG) was created by WNTI in 2009 and the first meeting was held during the June 2009 SAVM in Paris.

The purpose of this BET WG is to develop discussions on back-end transport issues with the potential to affect radioactive materials transport in terms of safety, requirements, costs, delays and any other aspects.

The activities of the BET WG involve the discussion and sharing of back end transport issues in order to facilitate good practices in the packaging and the transport of waste materials.

In addition, the BET WG develops a WNTI industry perspective on these issues and communicates these views to the IAEA, when it is appropriate.

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**Uranium Ore Concentrates Working Group**

The Uranium Ore Concentrates Industry Working Group (UOC WG) is a standing working group of experts from the WNTI Members and external consultants as necessary, established by the WNTI Secretary General. The Uranium Ore Concentrates Industry Working Group (UOC WG) is concerned with a general theme: Safe, secure and efficient transportation of Uranium Ore Concentrates internationally by road, rail and sea from the uranium producers to uranium converters.

**SUMMARY OF 2019 SUCCESSES**

In 2019 the UOC WG embarked on the comprehensive review of the ‘Standard for Packaging and Transport of Uranium Concentrates’ with a view to incorporating the recommendations from the other codes.

In order to ensure safe, secure and efficient transport of uranium ore concentrate, the WNTI Uranium Ore Concentrates Industry Working Group (UOC WG) was formed and is dedicated to developing standards, Good Practice Guides and Fact Sheets. The primary function of our Working Group (UOC WG) is to discuss and explore the following aspects:

- The packaging used
- The shipping process - for example sea containers and package securing methods
- The requirements and controls for transport, such as safety marks, shipping documents, safety data sheets, radiation protection
- To develop and maintain publications such as Good Practice Guides, WNTI Standards and Fact Sheets related to the transport of Uranium Ore Concentrates, in particular within IODC Containers in Multimodal Transport.
- To act as a forum for sharing experiences, issues and incidents so that the industry can learn from each other.

**FUTURE WORK IN 2020**

- Work with the IAEA in order to develop publications
- Review and update current WNTI publications
- Develop new WNTI publications
- Encourage the use of the WNTI Standard for Packaging and Transport of Uranium Ore Concentrates
- For more information, contact:

   Chair: Marc Andre Charette
   Cameco Corporation, Director - Transportation, Security & Regulatory Relations
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   Secretary: Simon Chaplin
   WNTI Specialist Advisor
   simonc@wnti.co.uk
Transport Security Working Group

By its very nature, the security of nuclear and other radioactive materials during transport continues to attract international attention. The unique challenges posed during transport, particularly when compared with fixed facilities, often require a dedicated and risk managed approach. At WNTI, we are committed to supporting our members navigate through this ever changing environment to ensure the safe, secure, efficient and reliable transport of radioactive materials globally.

THE PURPOSE OF THE WORKING GROUP

The WNTI Transport Security Working Group (TSWG) continues to act as an important central forum where members can come together to share and discuss transport security matters. Most recently, our members’ voice at the IMO and IAEA, the TSWG works collaboratively with our members to ensure their views and opinions count. We also discuss new and emerging threats or risks of interest and seek to enable the early identification of issues and risks to our sector.

In 2019, the TSWG has provided a platform for important discussions on cyber security in transport, security in the supply chain, security culture and human factors and the sharing of important threat information from relevant international agencies such as the IMO. Our TSWG workplan focuses on three key pillars:

Industry Voice and Influence: To provide WNTI members with a clear and comprehensive notice of intended changes to international regulations and good practice to enable an inclusive and comprehensive consultation.

Competency and Professionalism: To improve the general awareness and competency of transport security through the provision of training, good practice guides and specialist advice.

Learning from experience: Member and non-member sharing of security learning, experience and good practice to benefit the wider transport membership and community.

SUMMARY OF 2019 SUCCESSES

Meetings of the IAEA Nuclear Security Guidance Committee took place in July and November 2019. This committee is open to all the member states of the IAEA, as well as selected NGOs and makes recommendations on the development and review of IAEA Nuclear Security Series publications. The WNTI is represented by the TSWG secretary.

The Summer S4 TM in St. Petersburg, Russia was a key success for our group. Among other topics, this meeting included two presentations given by member companies in part of the ‘Shared Experience’ initiative. This gave those members an opportunity to share and discuss in confidence transport security issues and resolutions. An update was also given on the current status of piracy and armed robbery at sea.

The TSWG is currently reviewing the WNTI publication ‘Electronic Tracking for the Transport of Nuclear and Other Radioactive Material – A WNTI WinS International Best Practice Guide’. A revised version of this publication will be released once a final draft has been agreed.

In August 2019 WNTI co-hosted PATRAM 2019 and this included several sessions focused on security, in which many TSWG members were involved. Ben Whittard presented an overview of the current work of the WNTI on transport security issues.

FUTURE WORK IN 2020

We will continue to follow our workplan of Industry Voice and Influence, Competency and Professionalism, Learning from experience.

We will continue to monitor outcomes from the UN agencies, making comments and interventions as and when appropriate. These will be reported back to the working group. The TSWG will also continue to support the development of publications that are produced by these UN agencies.

There are plans to hold future briefings on topics deemed appropriate following consideration of the working group member requests, such as unmanned aerial vehicles (UAVs) and drones.

We will also progress our review of WNTI publications concerning transport security. The publication ‘Electronic Tracking for the Transport of Nuclear and Other Radioactive Material – A WNTI WinS International Best Practice Guide’ should be finalised and published. We will then commence to review publication ‘WNTI WinS International Best Practice Guide – Nuclear Transport Security’.

For more information, contact: Chair: Ben Whittard
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Secretary: Simon Chaplin
WNTI Specialist Advisior simonc@wnti.co.uk

HEXI Working Group

Uranium Hexafluoride (UF6) is the main component for the production of clean and low-carbon nuclear energy. It is transported internationally by road, rail and sea from the conversion facilities to the enrichment and fuel production facilities. Like other nuclear products, these international transport routes involve large distances and in some cases, the packages may traverse many jurisdictions on their way to the final destination.

THE PURPOSE OF THE WORKING GROUP

The WNTI HEXI Working Group (HEXI) has continued to act as an important central forum where members can come together to share and discuss transport security matters. Most recently, our members’ voice at the IMO and IAEA, the TSWG works collaboratively with our members to ensure their views and opinions count. We also discuss new and emerging threats or risks of interest and seek to enable the early identification of issues and risks to our sector.

In 2019, the HEXI has provided a platform for important discussions on HEI security in transport, security in the supply chain, security culture and human factors and the sharing of HEI important threat information from relevant international agencies such as the IMO. Our HEXI workplan focuses on three key pillars:

Industry Voice and Influence: To provide WNTI members with a clear and comprehensive notice of intended changes to international regulations and good practice to enable an inclusive and comprehensive consultation.

Competency and Professionalism: To improve the general awareness and competency of transport security through the provision of HEI training, good practice guides and specialist advice.

Learning from experience: Member and non-member sharing of HEI learning, experience and good practice to benefit the wider HEI membership and community.

SUMMARY OF 2019 SUCCESSES

2019 has been an eventful year for the majority of the HEIXT WG members. Although the challenging market situation has forced members to concentrate on their company’s businesses, diverse HEI topics have been progressed and moved forward.

An industry consortium of HEIXT WG members have contributed to a revision of the IEC 60742 safety case for the approval application in the EU. Several additional UF6 package applications have been filed with national authorities, in particular for packages to transport fissile UF6.

Besides the ongoing revision of the UF6 Fact Sheet and the Guidance for the Transport of UF6 samples, the revision of the Good Practice Guide for the Installation of Valves and Plugs has been finalised.

Further to this members have been active in revised the industry standard NNI 114 and ISO795, which will likely be finalised at the end of 2019 or beginning of 2020. A presentation on UF6 entitled “Why is Uranium Hexafluoride not regulated in a similar manner as radioactive material with subsidiary hazards” was given during PATRAM 2019.

This paper generated a provocative conclusion that there is need to either harmonise the packaging requirements for UF6 with the UN Model Regulations or discontinue the constant re-examination of conformity with the IAEA Regulations and not impose further requirements for UF6 packages.

FUTURE WORK IN 2020

With regard to our Working Group the future challenges are, amongst others, to monitor the regulatory developments especially with regard to the management of HEI packages. The longterm integrity of packages will become more focused upon and it is desired that the HEIXT WG members collaborate to address this topic for the available packages.

Regarding day to day business, we will plan to improve the available publications and also set up a Good Practice Guide for the load securing of UF6 packages.

Additional topics to be considered for the future are the application of activity values for UF6 packages, following on going revisions to the International Standards for Packaging of UF6 for transport, the progressing of packaging certifications and the continuous improvement of operational processes for the safe handling and transport of UF6.

For more information, contact: Chair: Joel Kruehler
URENCO, Logistics joel.kruehler@urenco.com

Secretary: Scott Edwards
WNTI Specialist Advisior scott.edwards@wnti.co.uk
## WNTI Membership

Our growing worldwide membership is open to all companies involved in nuclear transport including generators, suppliers, uranium producers, fuel cycle and other nuclear supply chain companies.

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| | | | Westinghouse Electric Company |
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Services to Members

Observer Status at the International Atomic Energy Agency (IAEA)

WNTI represents the voices of the Nuclear Transport and our members at the IAEA. We have held Observer Status at the IAEA for over 20 years, working closely with the IAEA in various meetings, including the Transport Safety Standard Committee (TRANSSC), the Emergency Preparedness and Response Standards Committee (EPReSC) and the Nuclear Security Guidance Committee (NSGC).

NSGC Committee

The NSGC is open to all Member States and invited NGOs. Its purpose is to make recommendations on the development and review of the IAEA Nuclear Security Series publications for which WNTI provides an expert opinion on the Transport aspects. The NSGC works closely with other IAEA committees such as TRANSSC and EPReSC.

TRANSSC Committee

The Transport Safety Standard Committee (TRANSSC) meets twice a year with each session lasting a week. TRANSSC consists of national regulators and observer organisations. TRANSSC also holds Technical Expert Groups that focus on specific issues in greater detail. The committee focuses on writing and revising SSR-6 and its accompanying guidance documents.

EPReSC Committee

The first meeting of the Emergency Preparedness and Response Standards Committee (EPReSC) took place in 2015. The EPReSC is the 5th Safety Standards Committee (EPReSC) and its creation reflected the importance given to the cross-cutting nature of emergency preparedness and response. WNTI has been invited to a series of IAEA meetings relating with Transport EPR since the committee started in 2015.

International Organization for Standardization (ISO)

ISO is a nongovernmental body with a mission to promote the development of standardization and related activities worldwide. Standards relating to the transport of radioactive materials are included in the activities of the ISO TC8 / SC5 / Working Group 4 (WG4): Transportation of radioactive material. The committee is concerned with all IMO matters concerning maritime safety.

WNTI at the IMO

The International Maritime Organization (IMO), based in London, U.K., is the United Nations specialized agency responsible for the safety and security of shipping and the prevention of pollution by ships. The IMO’s main role is to create a regulatory framework for the shipping industry that is fair and effective, autonomously adopted and universally implemented.

The WNTI is the only NGO at the IMO that is an industry expert in Class 7 radioactive material transports.

The function of the IMO is achieved through an Assembly, a council and 5 main committees supported by several subcommittees. WNTI attends meetings within these committees as appropriate.

The IMO is an industry expert in Class 7 radioactive material transports.

WNTI is also a Consultative Status at the International Maritime Organisation (IMO)

FAL Committee

The Facilitation Committee (FAL) considers all aspects of implementing the Convention on Facilitation of International Maritime Traffic (1976) such as eliminating unnecessary ‘red tape’ barriers to international shipping. The balance between ensuring maritime security and the facilitation of international maritime trade is also a focus.

MSC Committee

The Maritime Safety Committee (MSC) is the highest technical body in the IMO and is concerned with all IMO matters concerning maritime safety.

This includes the handling of dangerous goods, vessel design and construction, maritime safety procedures and requirements, salvage and rescue.

MEPC Committee

The Marine Environment Protection Committee (MEPC) considers all IMO matters concerning the prevention and control of pollution from ships. The adoption and amendment of regulations such as the International Convention for the Prevention of Pollution from Ships (MARPOL) is a focus for the committee. This regulation covers oil, chemical, and harmful substance pollution as well as garbages, sewage and air pollution from ships.

COC Committee

WNTI attends the Sub-Committee on the carriage of Cargoes and Containers (CCCs) which deals with, among others, the carriage of packaged dangerous goods and therefore keeps the International Maritime Dangerous Goods (IMDG) Code updated. The Sub-Committee also collaborates with other UN bodies dealing with similar issues.

WNTI also has a long and beneficial association with other International Organisations:
Thoughts on the Blockchain Ecosystem

Monique Ginoux, Sensitive Cargo Division Manager, CMA CGM & WNTI Associate Member

Blockchain, with this flagship, any start up could raise millions of USD. A lot of new concepts have appeared: ICO (Initial Coin Offering), Smart Contract, Consensus, DLT (Digital Ledger technology), crypro currency. But what is all about, anyway?

Why are banks and fintech companies, Consensus, DLT (Digital Ledger, Initial Coin Offering), Smart Contract, Blockchain: with this flagship, any start at the source of the events in a digital ledger (or chain of blocks) by the entity at the source of the events? One solution is undoubtedly the blockchain: a new way to be financed. There are a large number of actors that are now participating in the digitalisation of various industries.

Blockchain allows the creation of new cryptocoins (cryptocurrencies) between the participants of the blockchain. Once you have many actors on the same platform you can create a specific economic environment. A blockchain is a distributed ledger that allows the exchange of tokens (cryptocurrencies) and provides a trustless environment. The ability to generate a new currency via the blockchain brings this technology from the geeks’ world to the business sector.

Blockchain provides a way to set up smart contracts ensuring that a payment of the cargo by the buyer is confirmed. With the smart contract « TECH is LAW ». It allows parties with a lack of trust to have business together without a trusted third party. This smart contract is the result of many efforts and has been embedded in the IAEA regulations. This contract « TECH is LAW » could be a model for other industries.

Blockchain is now entering a phase of maturity, where only solid use cases will survive to participate in the digitalisation of various industries. It will work hard to push towards paperless processes and break the walls between the main stakeholders for their own benefits, by pushing away all the intermediary out of the picture.

The blockchain ecosystem is entering a phase of maturity, where only solid use cases will survive to participate in the digitalisation of various industries. An effort was made to compile accurate contents information for the washed cylinders and this information was shared with WNTI members.

Blockchain is a new way to be financed. There are a large variety of cryptocurrencies but the most popular one is not yet launched: LBIRA. This cryptocurrency would allow all Facebook and WhatsApp App users to exchange LBIRA as easy as sending a text message. This cryptocurrency would help all users to exchange LBIRA as easily as sending a text message.

The blockchain ecosystem is entering a phase of maturity, where only solid use cases will survive to participate in the digitalisation of various industries.

Working with WNTI to Harmonise a UF6 Shipping Process

Jay Thomas, Director, Transportation – TN Americas, Orano IFA & WNTI Founder member

The result of this regulatory change was to complicate the processes for declaring washed UF6 cylinders with small amounts of residual material to be fissile exempt, even though the small amount of fissile material in the large volume of the cylinder is not a safety issue.

Once Orano had become aware of the consequences of this regulatory change, WNTI was contacted to see if other members in the industry were also affected by the change. WNTI responded by organising special IAEA Working Group conference calls for interested members and the issue was discussed at several IAEA Working Group meetings.

That solution is expected to be included in the next revision of the IAEA regulations and will involve categorically excluding large, washed and emptied UF6 cylinders from the definition of fissile material.

The timely and expert involvement of WNTI with a resolution for this issue was invaluable.

Working with WNTI to Harmonise a UF6 Shipping Process

That solution was expected to be included in the next revision of the IAEA regulations and will involve categorically excluding large, washed and emptied UF6 cylinders from the definition of fissile material. The timely and expert involvement of WNTI with a resolution for this issue was invaluable.

Firstly, WNTI provided the opportunity to interact with others in the industry, in order to determine the extent of this condition. Then, having consulted the expertise within one member network, we identified a workable solution to the issue. Finally, the relationship WNTI has with the IAEA ensured that the proposed solution was heard by the appropriate people within the IAEA who had the ability to approve it.

WNTI then helped organise meetings with multiple, national competent authorities at international events such as PATRAM 2016 and IAEA TRANSSC meetings, in order to bring attention to the issues and share possible solutions.
View from the IAEA

Christophe Xerri, Director of the IAEA's Division of Nuclear Fuel Cycle, Waste Technology and Security

When something is at the same time essential and running smoothly, it becomes perceived as granted and kind of forgotten. Such is the case of the transportation of radioactive material: an essential link which allows nuclear power plants to run, hospitals to receive radioactive sources to treat cancer and waste to be sent to the final disposal site.

This is made possible by the commitment of professionals all around the world, working tirelessly to package and deliver these materials, without the public’s knowledge. Transportation is an outstanding example of international cooperation. The transportation safety standards published by the International Atomic Energy Agency (IAEA) are widely accepted and implemented: they are regularly assessed and revised.

The IAEA fulfills its mission by promoting them and providing training. The end result of these efforts is the efficient and effective regulation of safety and security by Member States during their transports worldwide/transportation, over the years, is keeping up with the current trends.

Trends in technology: tracking systems to improve security, new material to design more efficient packages and the adoption of digitalization for designs and of virtual reality for training.

With this record of reliability and innovation, the transportation community is well geared to address the coming challenges of an ever changing world. Just to mention some of the challenges:

- Decommissioning will generate large amounts of waste and some of it may have different characteristics from what is currently being transported. The regulatory framework is being upgraded, and transportation solutions are being developed accordingly.
- The long-term storage of spent fuel calls for specific logistic solutions, transportation to interim storage facilities and consideration of the transportability after 50 to 100 years in storage.
- The fewer number of specialised research reactors in the world, in particular those used for material testing, may result in more international cooperation and moving in larger numbers not only researchers but also samples.
- The emergence of a new generation of nuclear reactors, from light water technology SMRs to High Temperature Gas Cooled Reactors, will generate new types of material to be transported. The fuel cycle of these reactors should be developed, as well as the related transportation solutions, as a condition for their deployment.

Widely known as the world’s “Atoms for Peace and Development” organisation within the United Nations family, the IAEA is the international centre for cooperation in the nuclear field. In the field of transportation, from technology development to safety and security, the Agency works with its Member States and multiple partners worldwide for the safe, secure and peaceful uses of nuclear science and technology, contributing to international peace and security and the United Nations’ Sustainable Development Goals.

"WNTI is one of these partners, and it brings a valuable contribution through expertise to share knowledge from the field and identify good practices and through its network of members to disseminate information."

The Agency is striving to serve its member states. Feel free to visit our website and access our on-line resources: reference publications, e-learning material, network of professionals.

In cooperation with International Partners

Chinese Nuclear Society (CNS), WNTI International Partner

Like WNTI, the Chinese Nuclear Society (CNS) is a not for profit organisation, with their focus being to represent individuals and companies contributing to and supporting nuclear science, nuclear technology and nuclear engineering in China.

CNS was established in 1980 with an objective to promote the advancement and peaceful use of nuclear science and technology, undertake scientific and technical exchanges, engage in public communication and enhance international cooperation.

The Society commits to carrying out conferences, seminars, workshops, lectures and producing publications and materials for the public. They facilitate visits to and from other overseas partners, as well as policy suggestions to government authorities.

On November 6th, 2019 John Mulkers, WNTI Secretary General met with Zhi Wang, Deputy Secretary General, CNS. This meeting provided an opportunity for WNTI and CNS to reiterate and strengthen the cooperation that has previously been established between the two organisations.

Bringing international and national representatives together created the opportunity to share best practices and examine how different bodies interpreted international and national regulations.

During the meeting, it was agreed that WNTI and CNS should continue to partner events that promote the nuclear transport industry and provide an opportunity for those organisations involved in these transports to discuss the continued safe, secure and efficient transportation of nuclear materials.

Following on from the successful workshops WNTI arranged in both Shanghai (2013) and in Beijing (2015 and 2017), it was considered to be of value, to current and potential WNTI members, to hold a 4th Seminar.

In cooperation with CNS, the WNTI CNS Transport Seminar on the Regional Transports of Radioactive Materials and International Lessons Learned took place on the 18th November 2019 in Beijing.

The seminar focussed on international and national regulations for the maritime, road and rail transport and port infrastructure sectors in China. In addition, there were many updates from the international companies attending.

The seminar explained the lessons learnt from both national and international shipments from international companies with track records in such transports.

The seminar also brought together major international stakeholders including China national competent authorities and industry representatives committed to the safe, efficient and reliable transport of radioactive materials including packaging.

This included the International Atomic Energy Agency, Regulations for the Safe Transport of Radioactive Material (SSR 6), the International Maritime Organization Dangerous Goods Code for maritime shipments and also those for inland land transports.

Our sincere thanks go to our international partners CNS and the Society for coordinating this event, with Amy Northage.\n
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International Symposium on the Packaging and Transportation of Radioactive Materials (PATRAM)

Hosted by WNTI and INMM, PATRAM is the premier event for professionals in the nuclear packaging and transportation industry.

Some topics include:
- Package Design (including Materials and Testing)
- Analysis (including Structural, Thermal, Shielding, Criticality and Risk Assessment)
- Transport Operations (including Regulations, Codes and Standards, Communications, Liability, Security)
- Content Specific Challenges (including Spent Fuel, Radio Pharmaceuticals, Large Items, Orphan Sources, Manufactured Items)
- Regulations, Codes and Standards, Communications, Liability, Security
- Transport Operations (including Regulations, Codes and Standards, Communications, Liability, Security)
- Content Specific Challenges (including Spent Fuel, Radio Pharmaceuticals, Large Items, Orphan Sources, Manufactured Items)
- A poster exhibition takes place exclusively disclosing top quality research from various attendees. Companies also have the opportunity to have an exhibition stand.

It takes place across 5 days, with hundreds of delegates presenting their research and proposals, covering every detail of our industry’s current challenges. These technical presentations are chosen as the result of careful selection process from our various PATRAM committees.

“As the nuclear industry continues to see rapid changes and shifts in direction, a conference like Patram is critical to ensure the global community remains engaged together in understanding the latest developments in technical innovations, regulatory concerns, and operational lessons learned. In fact, it’s a pity it isn’t an annual event!”

Rocco Catanzarite
Sales and Marketing Director
Orano TN Americas

PATRAM 2019

WNTI was fully involved in planning PATRAM 2019, which was held in New Orleans, USA from 4th-9th August 2019 and which we co-hosted with the Institute of Nuclear Materials Management (INMM).

Our representatives and members proactively promoted industry debate, leading panel discussions, chairing sessions, presenting and chairing committees.

Thanks go to members Joel Kruehler (Urenco) and Mary-Andre Charette (Canamex) whose presentation entitled ‘Why is Uranium Hexafluoride not regulated in a similar manner as radioactive material with subsidiary hazmat?’ attracted much interest. WNTI Consultant Pierre Malley’s presentation entitled “A new edition of the IAEA Transport Regulations: which consequences and lessons for the industry?” was a standing room only.

We are grateful to our dedicated Working Group Chairmen Martin Portier (Sellafield), with support from Hirotsuka Nejima and Ben Whiteland (INSS) who presented the findings of our Back End and Transport Security Working Groups.

We were delighted to be represented by accomplished women in nuclear. Anne Prestra (Oranet) and Eileen Supko (Supko Resources) who led discussions on international regulations. During the opening Plenary Session, Mr John Mulhern, our Secretary General, spoke of the importance of continuing a proactive dialogue between the regulators and industry: a role in which we play a major part. John also challenged industry to look at how it approaches the very real challenges of maintaining its future knowledge base with an increasingly aging workforce.

We were very grateful for the chance to catch up with our members more at several evening receptions generously hosted by our members Orano, INS, DRB, TAM International and Maria Logistix. This ended in the final closing banquet where several members won awards, huge congratulations to members SIT Japan who received an Aoki Award for their Long Term contribution to our industry, as well as Yang Sui of NWMO Canada who was awarded a belated 2016 Aoki Award for their outstanding presentation and research.
# Events 2020

## January
- Nuclear Fuel Supply Forum
- Consultancy Meeting on POSR Format and Content
- IMO Sub-comm CSR

## February
- IMO Sub-comm SDC
- CX 278: International Conference of Nuclear Security – Sustaining and Strengthening Efforts

## March
- IMO Sub-Comm Ship systems and equipment
- Waste Management Symposium
- IMO LEG
- IMO MEPC
- WMC lecture (INF Maritime shipments)

## April
- IMO FAL
- World Nuclear Fuel Cycle
- WNTI Namibia Training Workshop

## May
- IMO MSC 102
- WNTI Semi-Annual Members Meeting (SAMM)
- ISO TC285 SC3-WG24etch
- 44th WNTI Advisory Committee

## June
- 5th WNTI Board of Directors Meeting
- IAEA TRANSSC 40
- IAEA EPRESBC 10
- IAEA NSGC:
  - Int. Conf. on Nuclear Knowledge Management and Human Resources
  - WNE - World Nuclear Exhibition 2020

## July
- Nuclear Fuel Supply Forum
- World Nuclear University Lecture (WNU)

## August
- 5th Consultancy Meeting on Safety Security Interface
- 6th Consultancy Meeting on EPR TS G-1.2 revision

## September
- WNA Symposium
- IAEA General Conference 84
- IMO Sub-comm CCC

## October
- IAEA TRANSSC 41
- IAEA EPRESBC 11
- IAEA NSGC:
  - 53rd WNTI Advisory Committee

## November
- IAEA TRANSSC 41
- IAEA EPRESBC 11
- IAEA NSGC:
  - 53rd WNTI Advisory Committee

## December
- 57th WNTI Board of Directors Meeting
- WNTI Semi-Annual Members Meeting (SAMM)
Easier to carry, quicker construction and implementable in remote locations.

Much cheaper to construct and to supply than a power plant.

Less fuel in the reactor means safer new technologies.

Efficiency and low carbon emissions. Can use spent fuel from classic reactors.

Adapted to the location, can provide variable heat electricity, and more.

In a nutshell, the biggest advantage of an SMR is that it can be implemented almost anywhere.

In addition to my detailed research in London, I had the chance to visit one of the ships at Pacific Nuclear Transport Limited in Barrow-in-Furness. I also visited International Nuclear Services in Warrington and shadowed several departments such as the Safety, Security, Finance and Engineering departments.

This intensive week allowed me to understand the real issues of the transport of radioactive materials and to have a more practical view on these aspects and on the general functioning of a nuclear company.

I also had the opportunity to work on the WNTI website redesign project and was glad to bring some new ideas and to handle the content management system. I was also involved in some communication tasks related to WNTI membership.

I am very grateful to all the WNTI and INS workers and all the people who helped me throughout this experience.

London is an incredible place to be, full of surprises. You can find many cultures, different people and make new friends. If you have such an opportunity, seize it!
Digital Communication & Member Resources

The WNTI Members’ Portal offers access to specialist information and advice, including monthly global updates, IAEA regulation updates, as well as the opportunity to link to transport professionals across the world.

Our bi-weekly newsletter is exclusively sent to members and contains the latest news and updates from our global representatives. It contains updates from all the committees we sit on at the International Maritime Organization, updates from regulation changes at the International Atomic Energy Agency, as well as our position papers within these agencies.

The New WNTI Website & Members’ Portal

In 2019/2020 we have commenced work on our website upgrade project, bringing it up to date, improving functionality and establishing clearer channels of communication between WNTI and our members. The new and improved website will see enhanced community and social features and better search functions. There will also be further opportunities to personalise your online account so that it more closely reflects your requirements.

Publications

Increase your understanding on key Nuclear Transport areas with the WNTI publications. Our suite of up to 30 publications include Standards, Good Practice Guides, Fact Sheets and Information Papers. These are freely available to access on our website and carefully crafted by our members and WNTI specialists.

Connect with us!

We feel that communication between nuclear transport professionals is vital for the progress of our industry. Interact with us publicly through our WNTI social media channels or confidentially, within the safe environment of our Member network.

Corporate Social Responsibility

Whilst the WNTI is recognised as an Institute rather than a corporation, we are officially a registered company in the United Kingdom and keen to increase our active contributions to the local community, in London.

In 2019, we identified some means to utilise our new office space to recover some of the costs we pay each month by offering our communal meeting rooms to some members and non-members, for their personal use. Where such meetings involved non-members, we looked to charge a reduced fee (small contribution) and this hopefully presented an advantage for both parties. The membership (and non-member) companies received a reduced fee for their meeting rooms in Central London and this enabled WNTI to set aside funds for the start of our Corporate Social Responsibility work. Whilst this has only just started, we have managed, with the help of the WNTI UK member Radioactive Waste Management (RWM), to set aside some funds and are looking to donate this to a London charity for homeless people. Unfortunately, it is very noticeable that homelessness is a continuing problem in London and especially difficult for people in the months of winter. We look forward to continuing our actions in 2020.

Over 100

Industry Reports a year are shared in our private members’ area