

# SMRs & The Nuclear Supply Chain: Building The Energy Transition

## International Conference

14–16 January 2026

World Forum - The Hague, The Netherlands

“Small Reactors, Big Impact”

### Conference Overview

This international conference gathers key stakeholders from the nuclear energy sector to explore the role of nuclear power in global energy security and decarbonization. With a strong focus on Small Modular Reactors (SMRs) and the nuclear supply chain, discussions will cover policy, technology, industrial collaboration, and investment opportunities in the Netherlands and beyond.

### Target Audience:

- Industry & Supply Chain: Nuclear technology providers, reactor developers, component manufacturers, engineering firms, and energy utilities

- Policy & Regulation: Government agencies, EU institutions, and nuclear regulatory bodies
- Finance & Investment: Banks, institutional investors, and energy investment funds
- Research & Innovation: Universities, think tanks, and research institutions
- End-Users: Industrial energy consumers, grid operators, and hydrogen sector players

Participants will gain networking opportunities with industry leaders, policymakers, and investors, while receiving insights into technological innovations, market trends, and regulatory frameworks.

For more information, contact us via [info@sdqpowershift.com](mailto:info@sdqpowershift.com)



# Nuclear Essentials - A Beginners Guide

## PRE-SESSION

13 January 2026

World Forum - The Hague, The Netherlands

“Small Reactors, Big Impact”

With no previous nuclear knowledge necessary, this “crash course” aims to provide the participants with a basic nuclear vocabulary and lays the foundations on which more in-depth knowledge can be built. The course is condensed version of the NAC Nuclear Primer, a 3–4-day seminar which is being developed with nuclear newcomer countries in mind.

The Nuclear Primer will focus on innovative, new and future technologies and the skill sets required to make this possible, technology assessment, regulatory aspects, international supply chains and financial models.

NAC has a long track record in nuclear education and its academies and seminars are famed for their quality, content and interactive nature. The dialogue between participants and trainers, both during and between the sessions is a great networking opportunity.

### Brief programme overview of the contents of Nuclear Essentials: A Beginners Guide

#### A Brief History

- The birth of nuclear energy, atoms for peace, non-proliferation

#### Nuclear Reactor Fundamentals

- Basic principles and reactor concepts
- Reactor operation and safety

#### Nuclear Technology today and in the future

- A review of current and future technologies
- Large NPPs versus SMRs (pros/cons)
- Financing new build projects
- Operational costs

#### Fuel Supply

- The fuel supply chain (Uranium, Conversion, Enrichment, Fabrication)
- Alternative fuel types

#### Spent Fuel Management

- Wet and Dry Storage
- Disposal Methods (Reprocessing, Geological repository, Deep Borehole)

# DAY 1: Global Perspectives & The Strategic Role of Nuclear

14 January 2026

World Forum - The Hague

## Morning Part I: Opening & Keynote Speeches

	<i>WELCOME ADDRESS</i>	High-level Dutch government representative
<b>KEYNOTE 1</b>	<i>The Role of Nuclear Energy in the European Energy Transition</i>	Wopke Hoekstra, EU Commissioner (TBC)
<b>KEYNOTE 2</b>	<i>Global Energy Security &amp; The Case for Nuclear</i>	Tim Gould, IEA (TBC)
<b>KEYNOTE 3</b>	<i>Advancements in Nuclear Technology &amp; Next-Generation Reactors</i>	dr. Stefano Monti, ENS/IAEA
<b>KEYNOTE 4</b>	<i>Fuelling the Future: SMRs and the Evolution of the Nuclear Fuel Cycle</i>	dr. Magnus Mori, Urenco

### Coffee Break

## Session II: Global SMR Market & Policy Developments

	<i>Current Market &amp; Investment Trends in SMRs</i>	Global Nuclear Industry Association
	<i>SMR Development in China: Innovation &amp; Scale-up</i>	Prof. dr. Fu Li, Tsinghua University
	<i>North American Leadership in Nuclear Innovation</i>	SMR Developers

### Lunch

## Session III: Panel – The Future of Nuclear in a Net-Zero World

<b>TOPIC 1</b>	<i>The Role of Nuclear in the Energy System</i>	Prof. dr. David Smeulders, TU Eindhoven
<b>TOPIC 2</b>	<i>Ethical Case for Nuclear New-Builds &amp; Nuclear Deregulation</i>	dr. Simon Friederich, University of Groningen
<b>TOPIC 3</b>	<i>Financing the Future of Nuclear Power</i>	Institutional Investors & Banks
<b>TOPIC 4</b>	<i>How Nuclear Can Drive A Sustainable Maritime Industry</i>	Dr.ir. Stephanie Heerema, Allseas
<b>TOPIC 5</b>	<i>Integrating Nuclear into the European Energy Grid</i>	Joost Greunsven, TenneT
	<i>Tea break</i>	

Panel Discussion: Moderated by Maria van der Hoeven, former Dutch Minister and former director IEA

Evening: Networking Reception & Industry Dinner

- Keynote Speaker: Kiki Lauwers, Thorizon
- Informal networking between policymakers, industry, and researchers

# DAY 2: The SMR Revolution & Supply Chain Development

16 January 2026

World Forum - The Hague

## Session I: Unlocking the Business Potential of SMRs

<b>PLENARY TALK 1</b>	<i>Bringing SMRs to Market: Challenges &amp; Opportunities</i>	Prof. Sukesh K. Aghara, University of Massachusetts Lowell
<b>PLENARY TALK 2</b>	<i>Developing a Competitive SMR Supply Chain</i>	Rolls Royce (TBC)
	<i>Coffee Break &amp; Move to Breakout Sessions</i>	
<b>BREAKOUT SESSIONS</b>	<i>Global SMR Deployment &amp; Project Updates</i>	Marieke van Gemert, NRG Pallas; Nuclear Developers
	<i>Regulatory Pathways &amp; Licensing Challenges</i>	Policy Makers or Advisors
	<i>Localization Strategies for the SMR Supply Chain</i>	dr. Alik van Heek, Nuclear-21; Sander den Blanken, BAM Infra; Prof. Sukesh K. Aghara, University of Massachusetts Lowell Industry Associations & Suppliers

### Lunch

## Session II: Investment & Industrialization of SMRs

Plenary Panel: Financing the Nuclear Future - Public & Private Strategies

<b>TOPIC 1</b>	<i>Dutch National Nuclear Expansion Strategy</i>	Government Energy Officials
<b>TOPIC 2</b>	<i>Public-Private Partnerships for New Nuclear Projects</i>	Bram-Paul Jobse, EPZ
<b>TOPIC 3</b>	<i>International Trends in micro reactors: the Oklo case</i>	dr. Everett Redmond, Oklo (tbc)
<b>TOPIC 4</b>	<i>The Human Capital Agenda: Building a Skilled Workforce for the Nuclear Renaissance</i>	Prof. dr. Jan Leen Kloosterman, TU Delft
<b>TOPIC 5</b>	<i>Industrial Energy Demand &amp; Nuclear's Potential Contribution</i>	Andreas Tirez, Febeliec
	<i>Tea Break</i>	

## Panel Discussion

Evening: Exclusive Stakeholder Dinner

- Invite-only discussions on policy, innovation, and strategic supplier partnerships



# DAY 3: Future Directions & Local Interaction

16 January 2026

Site Visits

Morning: Action Plan for the Nuclear Supply Chain in the Netherlands

<b>SITE VISIT OPTION 1</b>	<i>The Role of Fuel Production &amp; Supply Chain Development</i>		Tour at Urenco Almelo/ Gronau (bus transportation to the site)
<b>SITE VISIT OPTION 2</b>	<i>Waste Management</i>		Tour at COVRA, Borssele
<b>SITE VISIT OPTION 3</b>	<i>Construction of A Medical Isotopes Reactor</i>		Tour at Pallas, Petten
<b>Networking Lunch</b>			
	<i>End of Conference – Lunch &amp; Departure</i>		



Urenco Almelo



COVRA Waste  
Management



Palla Reactor