

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

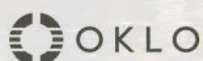
- Policy & Regulation: Government agencies, EU institutions, and nuclear regulatory bodies
- Finance & Investment: Banks, institutional investors, and energy investment funds
- Research & Innovation: Universities, think tanks, and research institutions
- End-Users: Industrial energy consumers, grid operators,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

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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

WEDNESDAY, 14 JANUARY 2026
WORLD FORUM - THE HAGUE

09:00 – 10:30	Morning Part I: Opening & Keynote Speeches
09:00 – 9:10	<i>Welcome</i>
09:10 – 9:30	Keynote speech 1: Wopke Hoekstra (EU Commissioner) (TBC) <i>The Role of Nuclear Energy in the European Energy Transition</i>
09:30 – 09:50	Keynote speech 2: Tim Gould (IEA) (TBC) <i>Global energy Security & The Case for Nuclear</i>
09:50 – 10:10	Keynote speech 3: dr. Stefano Monti (ENS/AIN) <i>Advancements in Nuclear Technology & Next-Generation Reactors</i>
10:10 – 10:30	Keynote speech 4: dr. Magnus Mori (Urenco) <i>Fuelling the Future: SMRs and the Evolution of the Nuclear Fuel Cycle</i>
10:30 – 11:00	Coffee break
11:00 – 12:00	Session II: Global SMR Market & Policy Development
11:00 – 11:20	Presentation by Everett Redmond (Oklo Inc.) <i>North American Leadership in Nuclear Innovation</i>
11:20 – 11:40	Presentation by Prof. Dr. Fu Li (Tsinghua University) <i>SMR Development in China: Innovation & Scale-up</i>
11:40 – 12:00	Presentation by Martijn van Gruijthuijsen (vice-governor in Noord Brabant Province) <i>Localisation of SMR Development</i>
12:00 – 13:30	Lunch
13:30 – 14:45	Session III: Panel - The Future of Nuclear in a Net-Zero World
13:30 – 13:45	Presentation by Prof. Dr. David Smeulders (TU Eindhoven) <i>The Role of Nuclear in the Energy System</i>
13:45 – 14:00	Presentation by Dr. Simon Friederich (University of Groningen) <i>Ethical Case for Nuclear New-Builds & Nuclear Deregulation</i>
14:00 – 14:15	Presentation by <i>Financing the Future of Nuclear Power</i>
14:15 – 14:30	Presentation by Dr. ir. Stephanie Heerema (Allseas) <i>How Nuclear Can Drive A Sustainable Maritime Industry</i>
14:30 – 14:45	Presentation by Joost Greunsven (TenneT) <i>Integrating Nuclear into the European Energy Grid</i>
14:45 – 15:15	Tea Break
15:15 – 16:00	Panel Discussion: Moderated by Maria van der Hoeven (former Dutch Minister and former director IEA)
Evening 18:00 – 21:00	Networking Reception & Industry Dinner Keynote Speaker: Kiki Lauwers (Thorizon) <i>Informal networking between policymakers, industry and researchers</i>

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DAY 2: The SMR Revolution & Supply Chain Development

WEDNESDAY, 15 JANUARY 2026
WORLD FORUM - THE HAGUE

09:00 – 10:30	Session I: Unlocking the Business Potential of SMRs
09:00 – 9:20	Plenary Talk 1 by Prof. Suresh K. Aghara (University of Massachusetts Lowell) <i>Bringing SMRs to Market: Challenges and Opportunities</i>
09:20 – 9:40	Plenary Talk 2 by Rolls Royce (TBC) <i>Developing a Competitive SMR Supply Chain</i>
09:40 – 10:30	Coffee break & Move to Breakout Sessions
10:30 - 11:00	Breakout Sessions
10:30 - 11:00	Presentation by Marieke van Gemen (NRG Pallas) <i>Global SMR Development & Project Updates</i>
10:30 - 11:00	Presentation by Dr.ir. Alike van Heek (Nuclear-21) <i>Spent Fuel, Radioactive Waste management and Decommissioning</i>
10:30 - 11:00	Presentation by Sander den Blanken (BAM Infra), Prof. Suresh K. Aghara (University of Massachusetts Lowell), <i>Localization Strategies for the SMR Supply Chain</i>
11:00 - 12:30	Lunch
12:30 - 14:00	Session II: Investment & Industrialization of SMRs
12:30 - 12:50	Presentation by Martijn Schut (Director of the Nuclear Energy Program at the Ministry of Climate Policy & Green Growth) <i>Dutch National Nuclear Expansion Strategy</i>
12:50 - 13:10	Presentation by Bram-Paul Jobse (EPZ) <i>Public-Private Partnerships for New Nuclear Projects</i>
13:10 - 13:30	Presentation by Prof. Uner Colak (Istanbul Technical University) <i>Current Status and Future Needs for Nuclear Fuel Supply</i>
13:30 - 13:50	Presentation by Prof. dr. Jan Leen Kloosterman (TU Delft) <i>The Human Capital Agenda: Building a Skilled Workforce for the Nuclear Renaissance</i>
13:50 - 14:10	Presentation by Andreas Tirez (Febeliec) <i>Industrial Energy Demand & Nuclear's Potential Contribution</i>
14:10 - 14:45	Tea Break
14:45 - 16:00	Panel Discussion
Evening 18:00 - 21:00	Exclusive Stakeholder Dinner <i>Invite-only discussions on policy, innovation and strategic supplier partnerships</i>

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MORNING	Action Plan for the Nuclear Supply Chain in the Netherlands	
Site Visit Option 1	<i>The Role of Fuel Production & Supply Chain Development</i>	Tour at Urenco Almelo , Gronau (bus transportation to the site)
Site Visit Option 2	<i>Waste Management</i>	Tour at COVRA , Borssele
Site Visit Option 3	<i>TU Delft Reactor Institute</i>	Tour at TU Delft , delft
Networking Lunch		
End of Conference - Lunch & Departure		



Urenco Almelo



COVRA Waste Management



TU Delft Reactor Institute

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