

Nuclear Operators' Forum: Status, Strategies and Readiness for SMR Operation

Thursday, 18 September 2025

10.00 a.m. to 12.00 p.m.

Conference Room CR3, C Building, seventh floor

SMRs are expected to play a vital role in meeting climate change and energy security objectives. Various SMR models have been proposed in the market and are characterized by fuel and coolant types, deployment models, and applications. SMRs can offer compact, reliable heat and power for many industries, such as off-grid mining, petrochemical production, and oil and gas production, requiring specific approaches in plant operation.

In this forum, a panel of experts representing the current and future operators, technology providers and industrial end-users of SMRs will share operational strategies ensuring safe and reliable operation. Leveraging innovative technologies, selected design features and associated challenges in operational strategy for electricity and heat productions and newly envisaged industry decarbonization, will also be highlighted.

Scientific Secretaries:

Mr Shin Whan Kim, IAEA Department of Nuclear Energy

Mr Frederik Reitsma, IAEA Department of Nuclear Energy

Mr Hadid Subki, IAEA Department of Nuclear Energy

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Event Programme

Opening Remarks	Mr Rafael Mariano Grossi, IAEA Director General
Speakers	<p>Operational Strategies of ACP100: Mr Chengcheng Lyu China National Nuclear Corporation, Hainan Nuclear Power Co., Ltd</p> <p>Operation and Operational Management Plan of the i-SMR: Mr Taeyoung Son Korea Hydro & Nuclear Power Co., Ltd</p> <p>The Floating Nuclear Power Plant Operation Experience: Mr Viktor Elagin Rosenergoatom JSC (virtual)</p> <p>The SMR Technology Development Status and Roadmap towards Operations: Mr Hadid Subki, IAEA Department of Nuclear Energy</p>
Moderators	Mr Shin Whan Kim, IAEA Department of Nuclear Energy Mr Frederik Reitsma, IAEA Department of Nuclear Energy
Round Table Discussion and Q&A	
Technical Summary and Closing Remarks	Mr Mikhail Chudakov, Deputy Director General and Head of the IAEA Department of Nuclear Energy



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2025 ISOP Innovation Awards

2025 ISOP Award Ceremony

Presentation of ISOP Innovation Awards

Welcome Remarks
and Moderator

Mr Ed Bradley, IAEA Department of Nuclear Energy

Opening Remarks

Mr Mikhail Chudakov, Deputy Director General
and Head of the IAEA Department of Nuclear Energy

Presentation of ISOP
Innovation Awards

Certificates presented by Deputy Director General
and Head of the IAEA Department of Nuclear Energy

Group Photo and
Closing Remarks

2025 ISOP Award: Presentations on Use Cases by Awardees

Presentations of winning use cases will take place in the
IAEA Lise Meitner Library from 13:00 – 16:00 CEST.

The event will be livestreamed.