
EXPLORING SMALL MODULAR REACTORS FOR SUSTAINABLE PROSPERITY AT iNUSTEC2024

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The Malaysian Nuclear Society (MNS) and the Institute of Nuclear Engineers (INE-MNS), in collaboration with China National Nuclear Corporation Overseas (CNNC), has organised a seminar event focusing on the future of nuclear energy in conjunction of International Nuclear Science, Technology and Engineering 2024 (iNuSTEC 2024).

The workshop that focuses on Small Modular Reactor (SMR) was held on October 17th, 2024, at the Danau Golf Club, Universiti Kebangsaan Malaysia (UKM), Selangor. This workshop has been attended by 38 people from various backgrounds to engage with cutting-edge developments in nuclear science and technology.



Participants of SMR Workshop.

A Deep Dive into SMRs

The workshop explored the transformative potential of SMRs under the theme “**Energy for Sustainable Prosperity.**” The event features a series of insightful sessions, blending physical and online participation, and brings together experts, policymakers, and industry stakeholders.



The participants and experts were engaging with each other.

Program Highlights:

- 1. Introduction to Small Modular Reactors (SMRs): Concept, Design, and Deployment**
This session provided an overview of SMR technology, focusing on innovative design principles and deployment strategies.
- 2. Regulatory and Licensing Framework for SMRs (China Case Study)**
A comprehensive discussion on the regulatory challenges and licensing practices for SMRs, with a case study on China's experience.
- 3. Safety and Risk Management in SMRs (China Case Study)**
Safety remains paramount in nuclear technology. This segment explored into the robust risk management frameworks employed in SMR operations.
- 4. Challenges and Opportunities in the Supply Chain for SMRs (China Case Study)**
This session highlighted the logistical and economic dynamics of integrating SMRs into existing energy supply chains.



Presentation from CNNC.