



Official Launching

Energy Transition Workforce Skills Program Advanced Training in SMRs, Clean Heat, and Hydrogen Technologies

Thursday, 2 July 2026

Onsite at Queen Sirikit National Convention Center, Bangkok
Or online at: [To Be submit for those who have registered]

Purpose

An Energy Transition Workforce Skills Development Program in Small Modular Reactors (SMRs), clean heat, and hydrogen technologies was approved and funded earlier this year by the Research and Innovation Acceleration Agency for Competitiveness and Area Development (Public Organization) (RCAD).

The program aims to develop skilled professionals capable of evaluating and deploying emerging low-carbon energy technologies. It focuses on SMRs, clean heat systems, and hydrogen – technologies increasingly recognized for their roles in providing reliable power, decarbonizing industrial heat, and supporting hard-to-abate sectors.

The purpose of this official launch is to highlight:

1. The essential role of these technologies in strengthening long-term energy security and resilience amid recent energy crises and the urgent need for climate change mitigation.
2. The critical importance of capacity building and workforce development.
3. The training approaches and implementation framework of the program.

Program

08:30 – 09:00	Registration
09:00 – 09:05	Welcome remarks <i>KMUTT</i>
09:05 – 09:15	Opening remarks <i>RCAD</i>
09:15 – 09:45	Current Landscape of Advanced Small-Scale Nuclear Technologies (Nano/MMR/SMR) and Their Role in Supplying Clean, Firm, and Secure Power and Industrial Decarbonization <i>Dr. Wison Luangdilok, H2Technology LLC, USA and the Joint Graduate School of Energy and Environment (JGSEE) at KMUTT</i>

- 09:45 – 10:05 **The Critical Importance of Capacity Building and Skilled Workforce Development in First-Time Nuclear Deployment**
Assoc. Prof. Dr. Somboon Rassame, Department of Nuclear Engineering, Chulalongkorn University
- 10:05 – 10:25 **The energy transition workforce skills program: objectives, structure, and delivery**
Assoc. Prof. Dr. Pipat Chaiwiwatworakul, JGSEE
- 10:25 – 10:40 **Coffee Break**
- 10:40 – 12:00 **Panel discussion: Stakeholder synergy in preparing a skilled workforce for Thailand’s nuclear future**
- Panelists (10 minutes each):**
- **EGAT Representative:** *Utility perspective on future skills for clean, firm power*
 - **Private Industry Representative:** *Skills needs for industrial decarbonization*
 - **Dr. Pantip Ampornrat (OAP):** *Regulatory perspective and collaboration with the IAEA*
 - **TINT Representative:** *Supporting practical applications of nuclear technologies*
 - **Prof. Dr. Navadol Laosiripojana:** *Future skills development platforms – from conventional programs to micro-credentials and lifelong learning*
 - **RCAD Representative:** *Government support for workforce development*
 - **Dr. Wison Luangdilok:** *Lessons from the United States and implications for Thailand*
- Moderator: Dr. Kampanart Silva, ENTEC**
- 12:00 – 13:00 Lunch
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Who Should Attend

- Policymakers and government officials
- Energy and nuclear professionals
- Academics and researchers
- Industry representatives and investors
- Graduate students and early-career professionals
- Stakeholders interested in SMRs, clean heat, hydrogen, and workforce development for the net-zero transition

Registration

Register online at <https://cleanenergy.hub-netzero.com> for both onsite and online participation.
Please note that onsite seats are limited to 50 participants.

Organizers

This program is co-hosted by a multi-institutional consortium responsible for developing and delivering the skills training:

- King Mongkut’s University of Technology Thonburi (KMUTT) – Lead Institution
- Office of Atoms for Peace (OAP)
- Thailand Institute of Nuclear Technology (TINT)
- Chulalongkorn University, Department of Nuclear Technology
- National Energy Technology Center (ENTEC)
- H2Technology LLC (USA)