

PROFILE



Korea Atomic Energy Research Institute

Center of Nuclear Technologies for a Better World, Acquiring People's and Global Support

- ✓ Atomic Energy
- ✓ Advanced Biotechnology
- ✓ Artificial Intelligence (AI)
- ✓ Aerospace and Marine Technology
- ✓ Quantum Technology



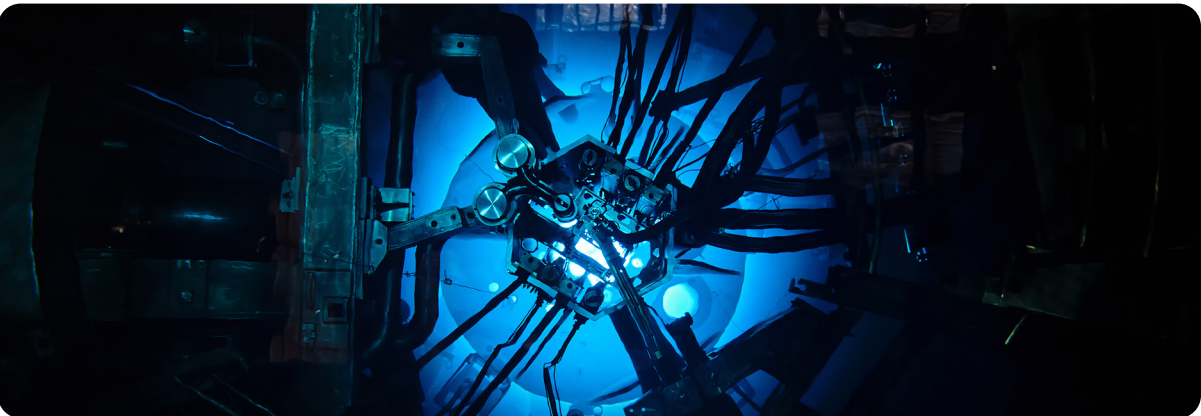
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Information

Main Contact	+82-42-868-2000
Website	https://www.kaeri.re.kr/eng/
Purpose of Establishment	Perform comprehensive research and developments in the field of atomic energy for the sake of making contributions to academic advancement, national energy security, and diverse utilization of atomic energy
Main Responsibilities	1. Strengthen national energy security and lead carbon neutral future with safe nuclear energy, 2. Promote people's health and living convenience with top notch radiation and quantum beam technologies
Planned Recruitment	56(H2, 2026)

Contact

Department	HR Team
Phone	+82-42-868-8015
E-mail	insa@kaeri.re.kr



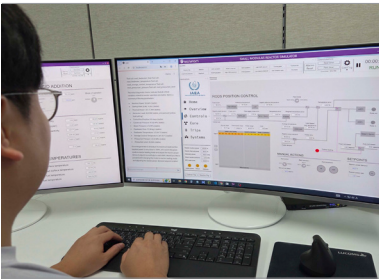
Key Achievements



NextGen MURR Design Export Contract Awarded — University of Missouri, USA



Novel Economical and Eco-Friendly Recycling Process for Lithium Iron Phosphate (LFP) Batteries



World's First AI Agent for Nuclear Reactor Operation Support

Research & Project List

Nuclear Safety Research

Development of Technology to Enhance Safety of Operating Nuclear Power Plants

SMR R&D (Water-Cooled SMR)

Innovative Small Modular Reactor(i-SMR) Technology Development Project

SMR R&D (Non-Water-Cooled SMR)

Very High Temperature Reactor (VHTR, Very High Temperature Reactor) , Molten Salt Reactor (MSR, Molten Salt Reactor) , Sodium-cooled Fast Reactor (SFR, Sodium-cooled Fast Reactor)

Spent Fuel Management Technology Development

Spent Fuel Storage and Disposal Safety Assurance Core Technology Development Project

Nuclear Decommissioning Research

Nuclear Decommissioning Competitiveness Enhancement Technology Development Project

Advanced Radiation Utilization Research

Non-Fungible Radiation Strength Technology(NFRT) Development

National Research Infrastructure

- 1. HANARO : National core infrastructure facility(thermal power 30MW research reactor), a platform for basic neutron research and industrial support
- 2. KJRR: The Kijang Research Reactor (KJRR) is another significant project aimed at medical RI production
- 3. Proton Accelerator : Operating a 100 MeV-class linear proton accelerator

GlobalTOP Strategic Research Group

SMR Virtual Reactor Platform(V-SMR) Development Project