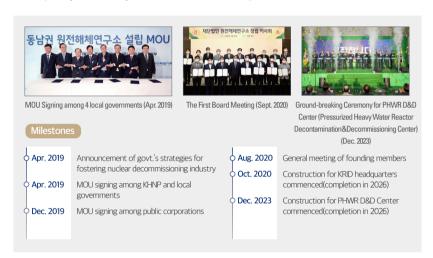
Korea Research Institute of Decommissioning (KRID)

was established in August, 2020.

Establishment as Legal Entity

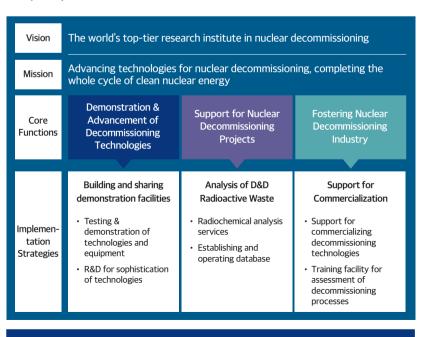
KRID Korea Research Institute of Decommissioning (non-profit public-benefit research institute)

KRID was founded upon cooperation among the Korean government, 4 local governments (Busan, Ulsan, Gyeongsangbuk-do and Gyeongju), and 4 public corporations in Korea's energy sector (KHNP, KEPCO KPS, KEPCO NF and KEPCO E&C)



Mission Statement

Industry support platform for Korea's nuclear decommissioning industry and SME participation



Guiding Korean Businesses into the Global Nuclear D&D Market

KRID envisions to rise as the global hub of

nuclear decommissioning technologies.





PHWR D&D Cente



Office Building

Lot Area

44,500m'

Lot Area

93,500m'

Total Floor Area

4,878m'

Structure

Basement & 2 Stories on the Ground

Structure

Basement & 3/1/2 Stories on the Ground Found Found

Pressurized Heavy Water Reactor Decontamination & Decommissioning Center



KRID will lead the pathway towards the whole cycle of clean nuclear energy.

Demonstration and Advancement of Decommissioning Technologies

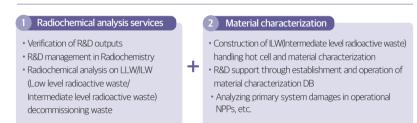
Creating a duplicate environment of decommissioning sites to ensure safe and cost-effective decommissioning

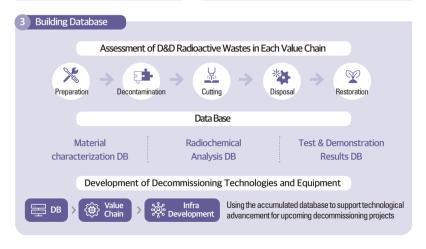


Further technology R&Ds & joint researches

Support for Decommissioning Projects

Issuance of test certificates





Fostering the Decommissioning Industry



KRID offers top notch technologies and equipment.

Testing & Demonstration Infra for Decommissioning



Site Restoration

Measuring and classification

for large-components, etc.

system for soil contamination level

Contamination measuring system



Decontamination

- Mock-up facility for primary system
- System decontamination process equipment (for PWR/PHWR - Pressurized Water Reactor/Pressurized Heavy Water Reactor)
- Concrete decontamination system
- · Ultrasonic chemical decontamination system, etc.



Cutting

- Mock-up platform(PWR/PHWR) for activated structures
- Remote cutting and monitoring system
- · High power laser cutting system, etc.



Waste Treatment

- Thermal trearment system for decommissioning composite hazadous wastes
- · Vacuum induction and plasma torch melting systems for metal wastes
- Demonstration facility of volume reduction for radioactive concrete waste based on heating and grinding
- C-14/H-3 spent activated carbon thermochemical treatment system for PHWR

Characterisitic Evaluation of Decommissioning Waste





Hot Cell

- High/low velocity precision cutter
- Dynamic/static UTM(Universal Testing Machine)
- EDM(Electrical Discahrge Machine)



- system, etc.

Pre-treatment

- Automatic furnance system / electric furnace
- · Automatic fusion machine
- Microwave digestion

Radiochemical Analysis

- Alpha/Beta counting system
- HPGe(High Purity Germanium) Radiation Detector
- · Alpha spectrometer
- · Liquid scintillation counter, etc.

Training / Commercialization Support





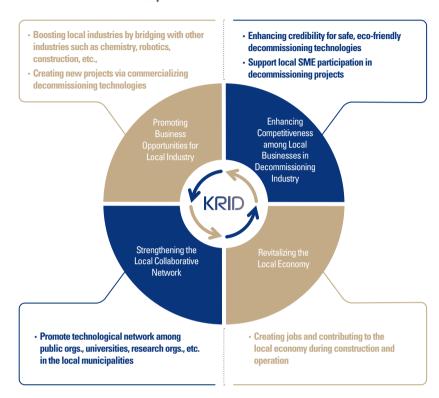
Decommissioning Process Verification and Training

- Large-scale immersive visualization facility
- Virtual reality interface system
- · Large-scale visual simulation and verification facility

KRID moves forward with the

local community.

Socio-economic Impact















www.krid.or.kr

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