

Address	Daedeok-daero 989 beon-gil, Yuseong-gu, Daejeon	President and CEO	Mr. Jeong, Sang-bong
Website	www.knfc.co.kr/eps	Number of Employees	1,197
Person in Charge	Mr. Lee, Seung-hwan	Date of Establishment	November 11, 1982
Affiliation	General Manager, Overseas Project Development Section	Nuclear Sales in 2018 (in Million KRW)	230,667
Office Number	(+82)-42-868-1377	Business Field	Nuclear Fuel
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Company Introduction

KEPCO NF is the only professional nuclear fuel design and fabrication company in Korea. KEPCO NF has been supplying nuclear fuel to all domestic nuclear power plants, both PWR (WH/CE type) and PHWR types for the past 30 years, along with performing reactor core design and safety analysis. KEPCO NF has a total of 4 manufacturing facilities, 2 plants for fuel fabrication and 2 plants for the manufacturing of cladding tubes. One more facility for fuel fabrication is scheduled to be built.

Based on nuclear fuel fabrication technology and experience, KEPCO NF has been exporting nuclear fuel components and service equipment to various global partners, including supplying nuclear fuel to power plants in the UAE since 2017. In addition, KEPCO NF has succeeded in developing export-driven and high-performance nuclear fuel, HIPER using its unique technology and secured HANA alloy development technology. With high quality and safe nuclear fuel technology, KEPCO NF is ready to meet the needs of overseas customers.

Major Products and Services

- Fuel Design & Fabrication
 - PLUS7, HIPER16 (Advanced fuel for OPR1000/APR1400 plants)
 - ACE7, HIPER17 (Advanced fuel for Westinghouse type plants)
 - 37R, 37M (Fuel for CANDU type plants)



PLUS7



ACE7



37R



37M



Fuel Service

- Reactor Core Design
- Safety Analysis
- Fuel Service
- R&D(Nuclear Fuel, Software, Engineering, Spent Fuel, Waste)

Major Business Records, Partners and Markets

KEPCO NF has been supplying nuclear fuel to power plants in the UAE since 2017. In addition to supplying entire quantity of nuclear fuel (PLUS7™) required for four units in the UAE, KEPCO NF also carries out the core design and safety analysis for initial operation as well as reloading cores for each unit, and technology transfer for core design and safety analysis to the UAE based on the KEPCO NF design codes and methodology. In addition, KEPCO NF is a leading manufacturer and exporter of major nuclear fuel components, such as cladding tubes, top and bottom nozzles, grids, and fuel rod springs, as well as fuel component manufacturing equipment, poolside examination equipment, and fuel fabrication plant construction-related technology to markets such as United States, Brazil, Argentina, China, Canada, South Africa, and Japan and more.

Qualification, Certificates, Patents and Awards

- 2019
 - Certified as National Excellent Quality Competitiveness Enterprises for 19 consecutive years (2001-2019)
 - Selected as Excellent Institution for GHG (greenhouse gas) reduction in the public sector
 - Awarded Grand Prize in safety management category at 2019 Korea CEO Hall of Fame
 - Awarded in 2 categories at 2019 IBA Stevie Awards
 - APR1400 loading PLUS7 acquired NRC DC
 - NSA plant obtained an S-grade in a PSM (process safety management) evaluation
- 2018
 - Certified as National Excellent Quality Competitiveness Enterprises
 - Awarded in 2 categories at 2018 IBA Stevie Awards
 - Received certification of Best HRD
 - Attained ISO international standard for a new linear calibration method
- 2017
 - APR1400 loading PLUS7 acquired EUR certificate