

Technology definition	A technology to design, construct and operate nuclear power plants with stability, economic efficiency and environmental friendliness by upgrading nuclear power plants, facilities that produce electricity using fission energy
Keywords	SFR(Sodium-cooled Fast Reactor), VHTR(Very High Temperature Reactor), Nuclear Fusion Reactor, LFR(Lead-cooled Fast Reactor), ADS, Advanced PWR(Pressurized Water Reactor), SF(Spent Fuel, Used Nuclear Fuel), Advanced nuclear recycle system, High level (radioactive) waste, Decommissioning, Pyro-processing, Metal fuel, Transmutation of long-lived Radionuclide, Transuranic element, Final disposal, Interim storage.
Related sub-technology	<ol style="list-style-type: none"> 1. Future reactor system (Gen IV) 2. Circulating nuclear fuel cycle system (SF recycling, high level waste management) 3. Next-generation light water reactor 4. Nuclear disassembly technology