

# Finland's approach to final disposal of spent nuclear fuel

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# Complete Nuclear Waste Management on one island – Olkiluoto, Finland

## SPENT FUEL INTERIM STORAGE FACILITY

Cooling of fuel assemblies removed from reactor building in water pools excavated in rock

## DECOMMISSIONING WASTE REPOSITORY

Space reserved for decommissioning waste

## OPERATING WASTE REPOSITORY - VUJ

Final disposal of intermediate and low level waste

## ENCAPSULATION PLANT AND DISPOSAL FACILITY FOR SPENT FUEL

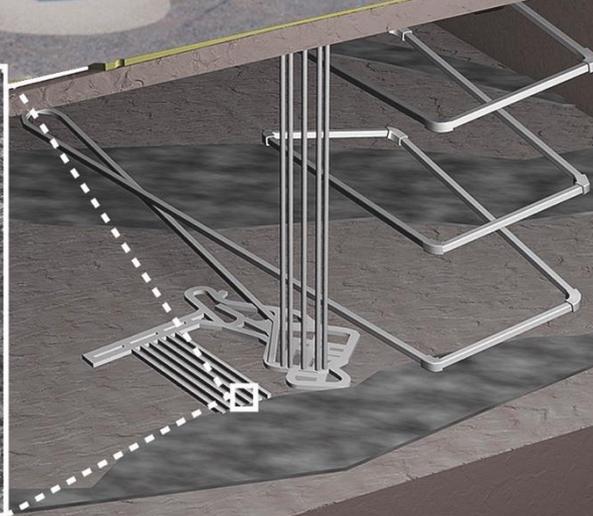
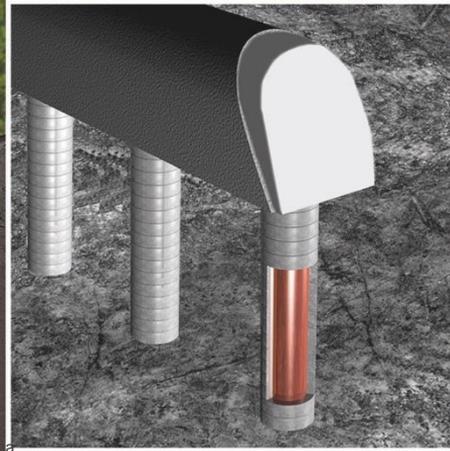
- The underground rock characterization facility ONKALO® (2004-2012)
- Construction license in 2015
- Disposal facility construction began in December 2016 and encapsulation plant construction in June 2019.

We have a solution  
for the final disposal  
of spent fuel



We have a significant  
role in climate protection  
as a part of the lifecycle of  
sustainable  
nuclear energy

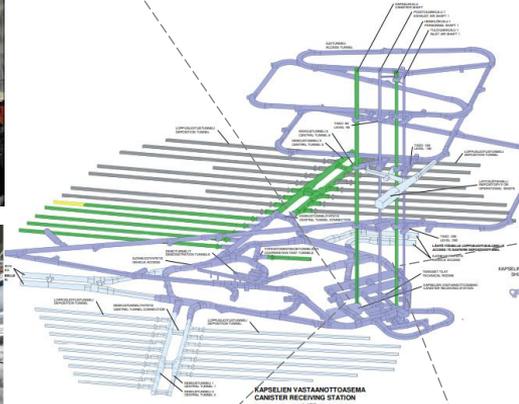
#wehaveasolution



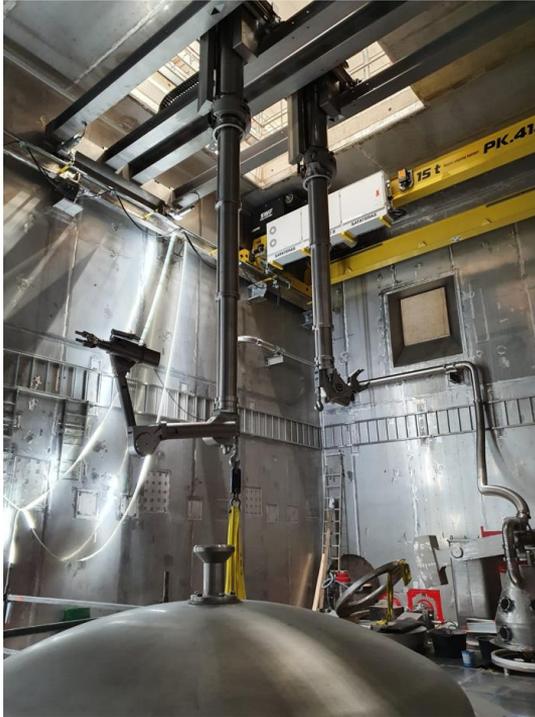
# The safe final disposal will be started first in the world in ONKALO®



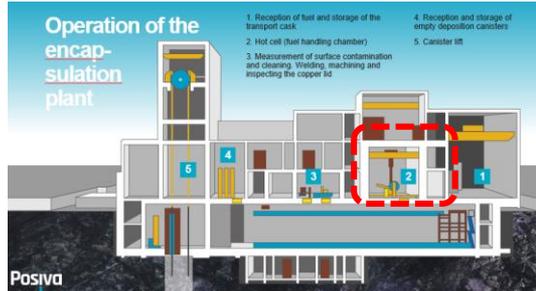
# Final disposal facility



# Encapsulation plant



Manipulator for maintenance work at the fuel handling cell



Docking stations for the canister and the fuel transport cask, drying station for spent fuel at the fuel handling cell



“ Posiva’s ONKALO® is a game changer.



“ Posiva’s personnel and network are making history with the work that they do.

12.4.2021



“ Posiva’s solution for the final disposal of spent nuclear fuel enables the sustainable production of nuclear electricity. A link to IAEA video [in here](#)

IAEA Director General Grossi, in November 2020



RAFAEL MARIANO GROSSI  
IAEA Director General



# Posiva

Global leader  
in final disposal