

Spent nuclear fuel facility, Olkiluoto, Finland

Participation in the site selection, licensing and design of final disposal facility for spent fuel, 1995-2015.

The purpose of the work has been to get approval from authorities for construction of spent nuclear fuel facility. The work started in the site selection phase and has now reached the construction license application phase.

Construction of spent nuclear fuel facility

Location: Olkiluoto, Finland

Customer: Posiva Oy

Project duration: 1995-2015 (on-going)

DESCRIPTION OF THE PROJECT

Characterization of sites in accordance with IAEA standards, Radioactive waste siting process, and feasibility studies for the siting and construction of facilities for radioactive waste and spent nuclear fuel disposal, long term safety analyses for siting and construction of facilities for radioactive waste.

Fortum has participated and supervised the technical design of encapsulation plant for spent nuclear fuel including updating the 3D CAD models of the plant, designed of the above the ground part of the disposal facility of spent fuel, designed (3D-CAD) underground tunnels for spent fuel disposal including layout designs for KBS-3H and KBS-3V alternatives.