Spent fuel final disposal program from planning to closure of the repository – Long commitment from all the stakeholders

ICGR
8th of December 2016
Janne Mokka
President
Posiva Oy
Finnish spent fuel final disposal program - 40 years’ effort so far

Studies into geologic disposal started

1978

Government’s decision on time table

1983

Site selection research

Selection of Olkiluoto

Studies into geologic disposal started

Selection of Olkiluoto

Construction of ONKALO and site confirmation studies in Olkiluoto

2001

Decision in principle by the Government and the Parliament

2012

Application for the construction license

Application for the operation license

2015

Test operation, commissioning

Start of disposal in 2020’s

Application for the operation license

The construction license

2016

Start of disposal in 2020’s

Mokka Janne

4th of November 2016

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Next step - Final disposal facility project

- Encapsulation plant and disposal facility
- One year of production is included to the project
- Megaproject
- First of a kind – project, where supply chains and operational processes needs to be developed
Final disposal facility around 2120’s

- Repository capacity is 6500 tU (about 3250 canisters)
- Depth of the tunnel system -400-450 m and the extent is about 2 km²
- All tunnels are fulfilled and repository is closed
- Finnish radiation safety authority (STUK) statement to construction license application - ”The repository will remain passively safe after closure without monitoring or supervision of the site”.

4th of November 2016
Mokka Janne
Public
Kiitos
Thank you