

Hanhikivi 1 Project Status

Nuclear Science and Technology Symposium 2016

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Project Phases

Preparation phase

2013-2014

- Rosatom chosen as the plant supplier
- Environmental Impact Assessment EIA
- Supplement to the Decision-in-Principle DIP
- Preparatory works at the site begin

Decision-in-principle

Infrastructure and licensing

2015-2017

- Construction License Application
- Extensive construction work of infrastructure and auxiliary buildings
- Development of the organization

Construction license

Construction phase

2018-2023

- Construction License
- NPP construction begins
- Development of the organization
- Installation works
- Fuel loading
- Operating License

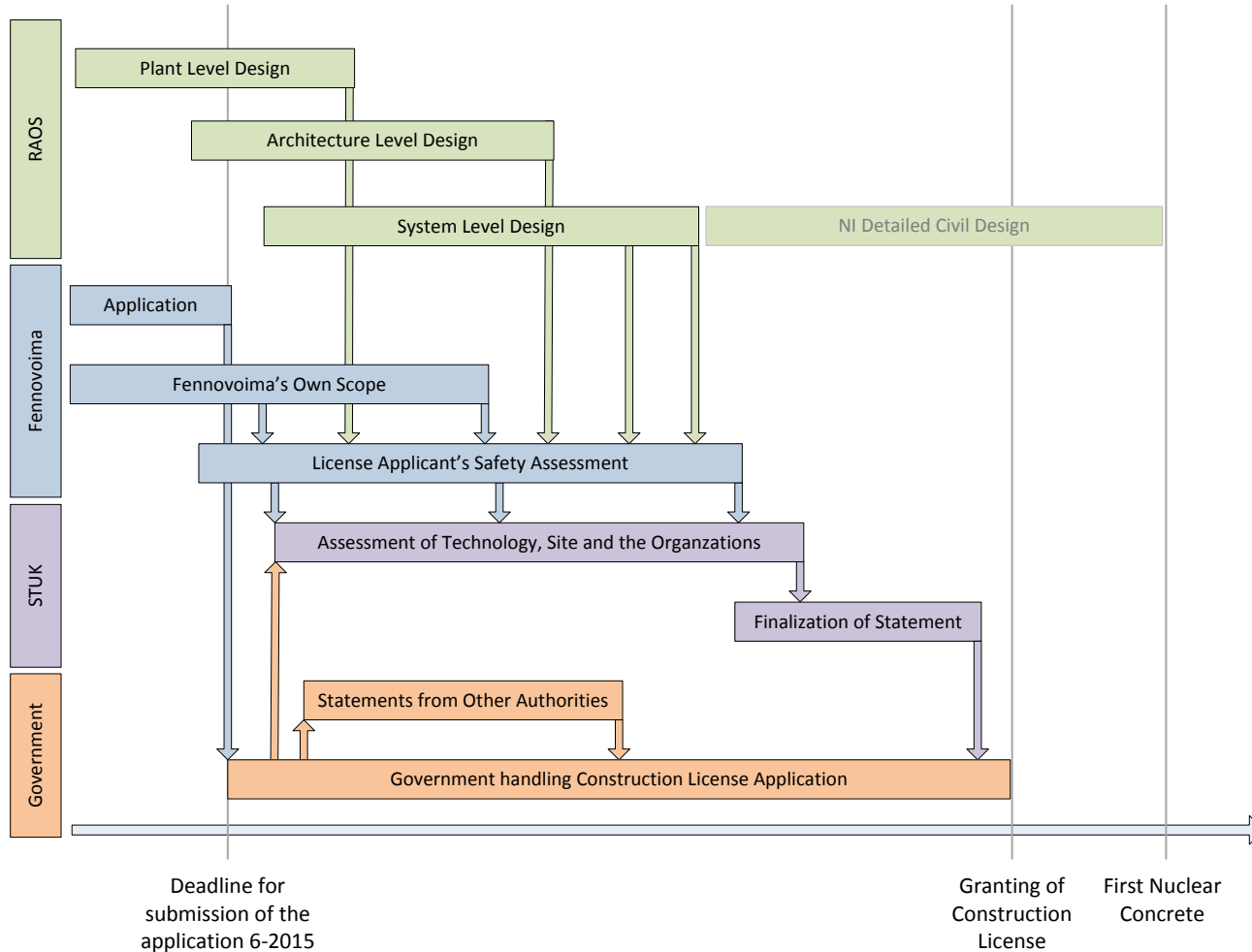
Operating license

Commissioning

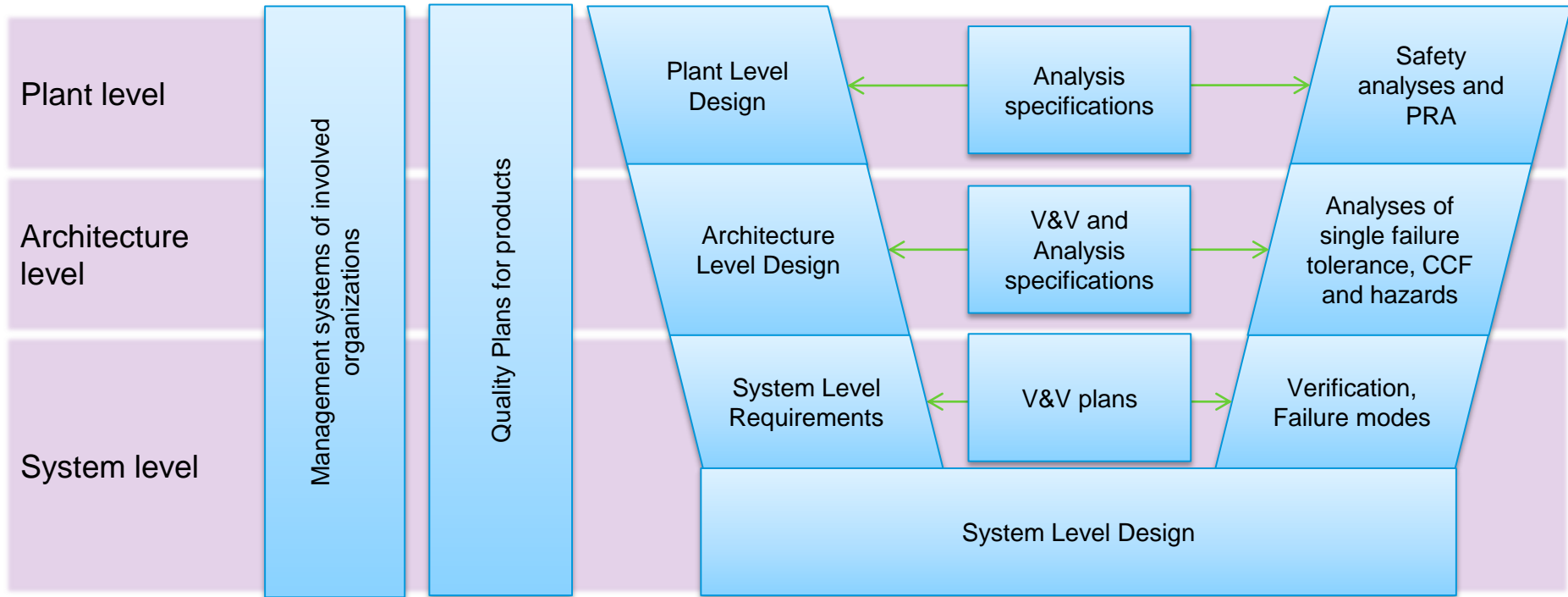
2024-

- Electricity production begins

Construction License Application Process



Safety Engineering Process of Hanhikivi 1 Construction License Application -phase



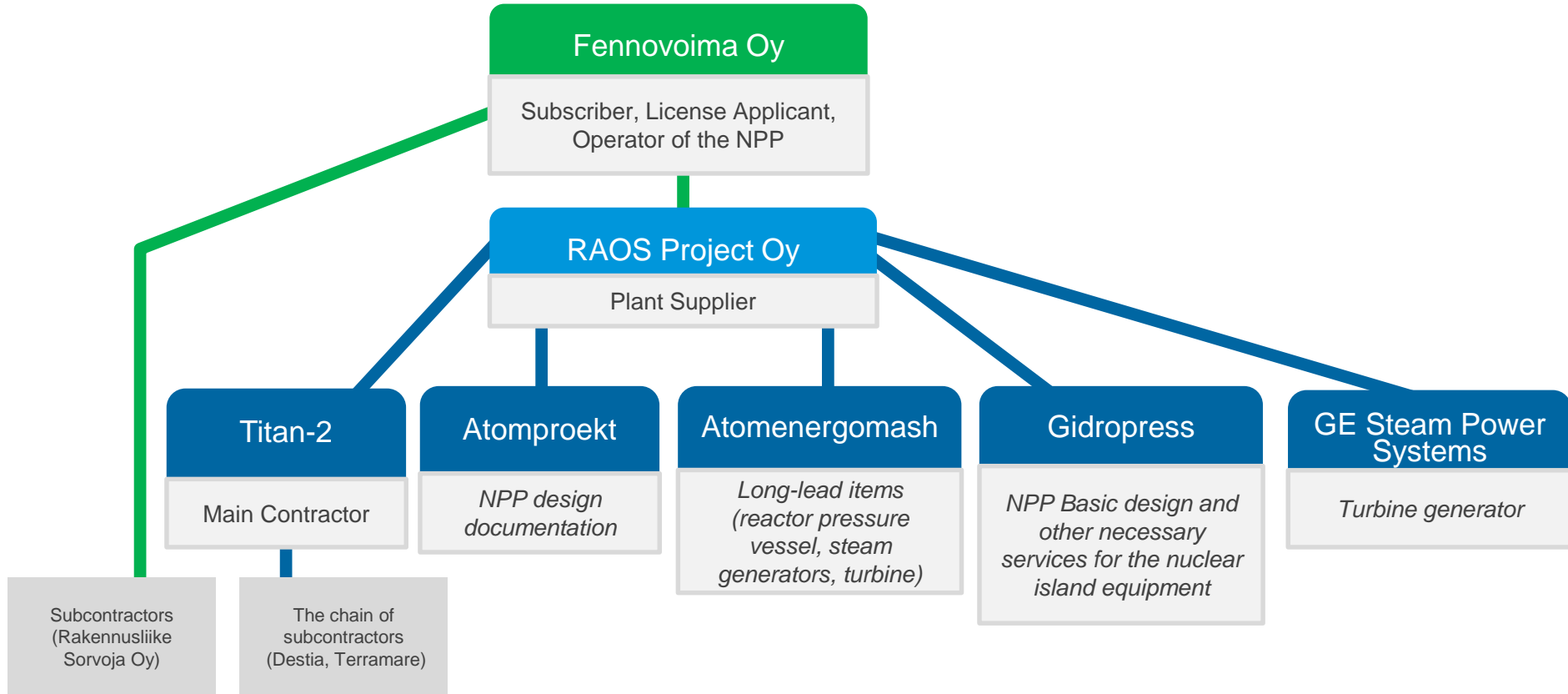
Reference design: Leningrad NPP II 1: AES2006/V491

- Plant supplier is RAOS Project Oy, subsidiary of Rosatom Corporation
- Pressurized water reactor (PWR / VVER)
- Electric / thermal power **1200 / 3200 MW**
- Commercial operation for **60** years
- In Finland, VVER units in Loviisa operated since 1978

9 TWh

Annual energy production of Hanhikivi 1 is 9 TWh. The net import of electricity in Finland was 16,3 TWh (nearly 20 percent) in 2015.

Project Organisation Development



Status of Site Works

- More than 200 persons working on a daily basis on the site
- The site register includes almost 300 companies
- Excavation in the plant area has proceeded to 2,0 m level below sea level
- Dredging of sea water intake channel ongoing



Thank you!

Read more:

Fennonen

www.fennonen.fi/en

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