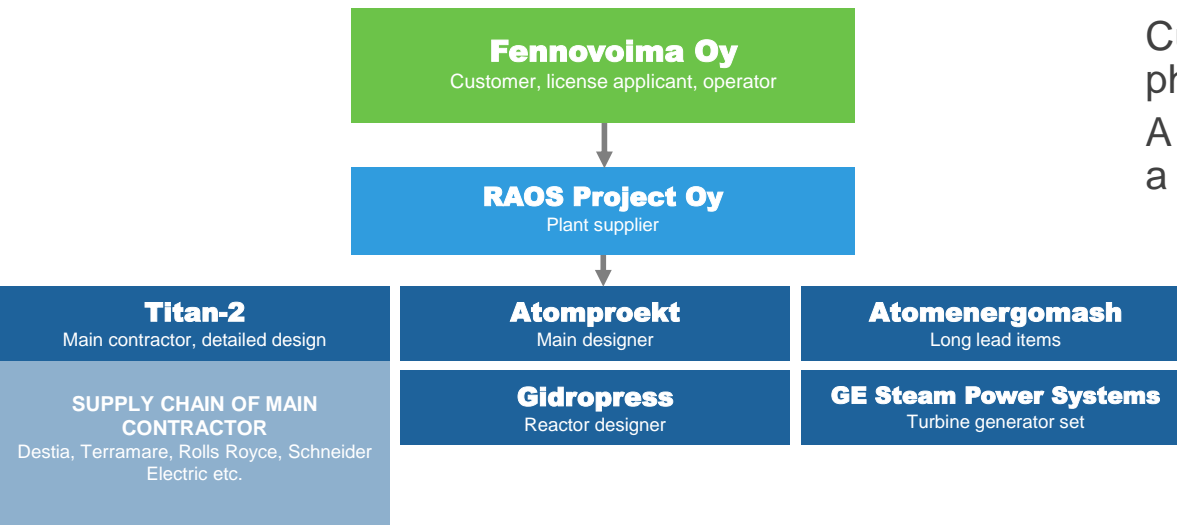


FENNOVOIMA

Promoting a positive safety culture throughout the supply chain in the construction of a nuclear power plant

Teemu Reiman

Fennovoima and the FH1 project



Fennovoima was established in 2007
Currently 350 employees, in operation phase approx. 500

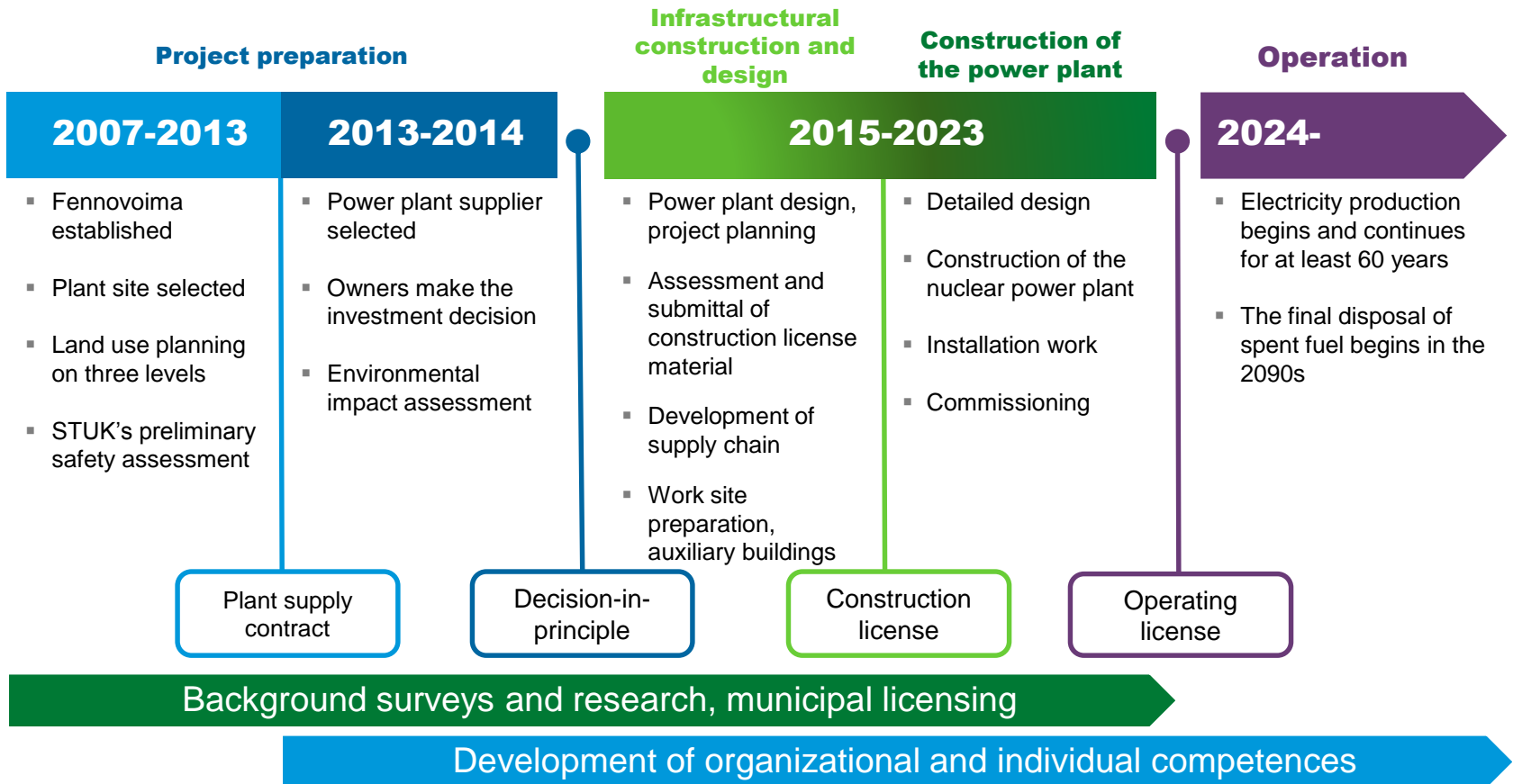
A contract signed 2013 with Rosatom for a turn-key delivery

- Plant supplier is RAOS Project Oy, which is the subsidiary of Rusatom Overseas
- Plant is a pressurized water reactor (PWR), VVER-1200
- Site is located in Pyhäjoki, Northern Finland

The project is called FH1

Currently the project is in licensing phase

100 Year Life Cycle



Safety culture in FH1 plant project aims at high quality operation



Safety culture in FH1 plant project aims at high quality operation



1. Commitment

- Prioritize safety issues
- Comply with agreed procedures and instructions
- Show a good example

2. Awareness

- Ask if you are unsure
- Understand how your work affects to quality and nuclear safety
- Intervene if you notice something which endanger safety and report it

Nuclear Safety Culture Principles

3. Transparency

- Do not blame for human errors
- Raise safety issues actively
- Document your actions and their reasons
- Communicate and collaborate

4. Continuous improving

- Identify development areas and propose new solutions
- Learn from the mistakes you and others make
- Develop organizational conditions

Ways of working with the supply chain



 RAOS Project

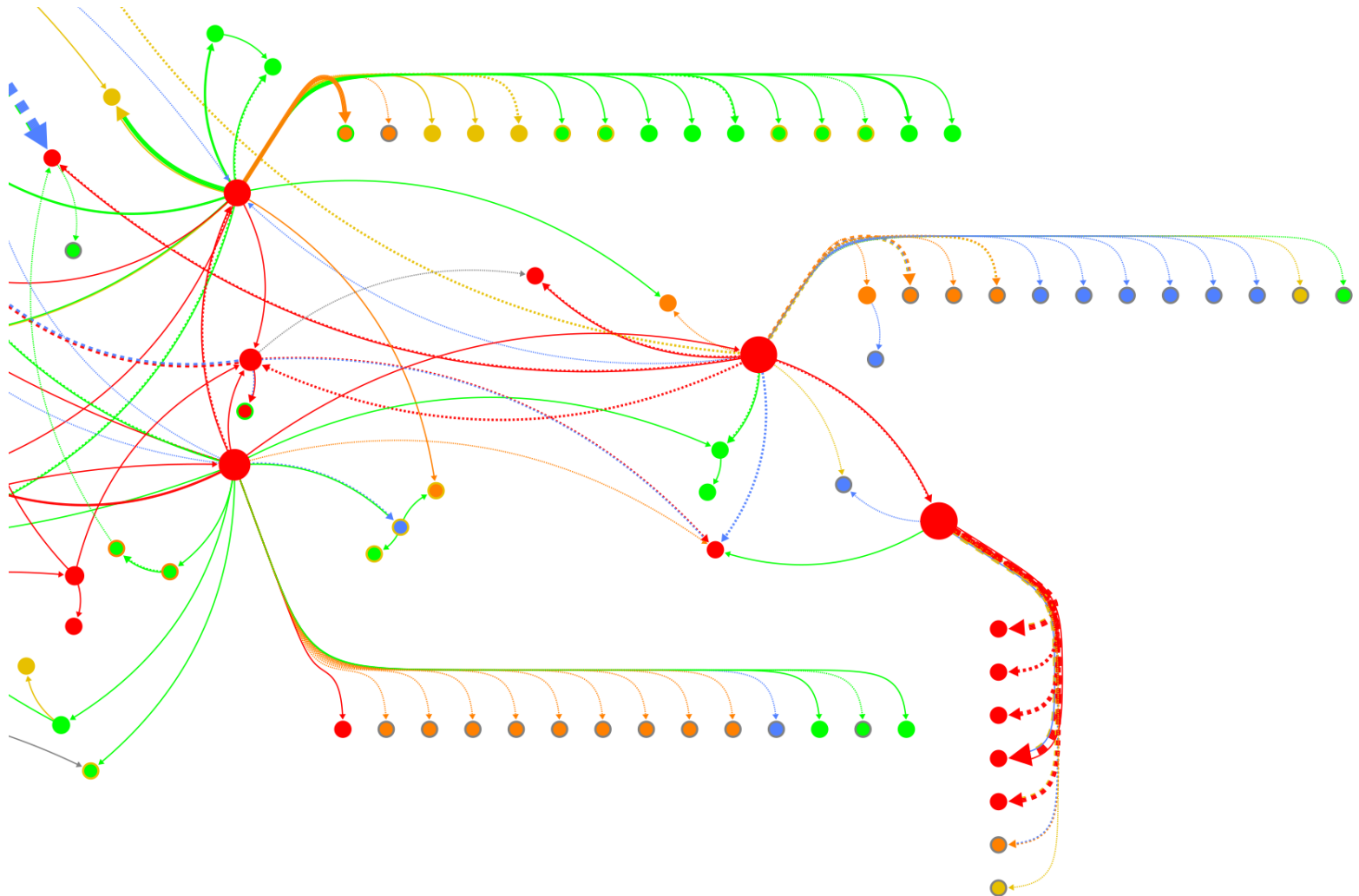
 ATOMPROEKT  OKB «GIDROPRESS»

 atomenergomash
COMPANY OF ROSATOM

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HOLDING



Example: network analysis together with VTT



Some lessons learned

- Focus on safety culture from the very beginning – contracts and requirements
- Safety as creating preconditions for success in daily work
- Different goals – different methods – but at the same time
- Showing a good example – and not hiding the bad examples either
- Integration of diverse data in monitoring safety culture
- Trust and fairness – but in a graded manner
- Positive competition – with no losers