

The logo for FENNOVOIMA, with 'FENNO' in blue and 'VOIMA' in green, set against a white background. The background of the entire slide is a blurred industrial scene with blue and orange lights.

FENNOVOIMA

Feedback on expectations versus results of SAFIR2014

SAFIR2014 seminar panel discussion
19-20.3.2015

Ilkka Männistö

16.3.2015

Fennovoima and SAFIR2014

“Evaluating SAFIR2014 in the context of rapidly advancing new build project”

- During SAFIR2014 planning and execution (2010-2015) Fennovoima has:
 - Been granted a decision in principle
 - Chosen a plant site
 - Considered two plant suppliers and made a contract with third
 - Applied for supplement to decision in principle
 - Been granted a supplement to decision in principle
- Expectations and feedback on SAFIR2014 were based on project situation and our R&D goals

R&D Goals and Objectives

- Fennovoima has general R&D goals
 - To know what is going on in various disciplines
 - To influence research into directions useful to us
 - Visibility and networking
- *Goals are general to be inclusive of all plant options and site possibilities. Additionally as a new project there is no operating experience.*
- Fennovoima wants to promote:
 - Ambitious research goals
 - Interdisciplinary research
 - Experimentation, coupling of experiments and analysis
 - Regional equality: increase the role of Oulu area, if possible
 - Practical applicability

Feedback on SAFIR2014

- Observations:
 - We gained expertise through reference group participation and dissemination of reports within organization
 - Fennovoima supported specific projects within (SPEFU on spent fuel dry storage and a few others)
 - Plant site was included in region specific studies after it was chosen
 - Several topics that are important to a new build and relevant to Fennovoima project are covered
 - Automation, HFE, passive systems, spent fuel pool, etc..
 - International cooperation is an easy way to 'multiply' project cost vs. benefit

Conclusions

- SAFIR2014 was easy to participate in, and it was possible to influence the projects to include Fennovoima interests
- However, direct benefits take time to evaluate
 - In many cases project results are applicable in a timeframe of years
 - Need for R&D solutions arise partly from operating experience, and partly from the technical solutions of the plant
 - Licensing phase is different from operations phase in terms of applying research results offered by SAFIR2014 (or any other R&D program or project)
- *Fennovoima's expectations were partly met by SAFIR2014*

Thank you