



## **MDEP Conference on New Reactor Design Activities Paris OECD 10.-11.9.2009**

### **Design-specific Activities Panel**

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# Utility's Benefits

- **Utility's benefits from a standardized plant concept and large installed base of similar plants are evident**
- **Plant level benefits: operational experience feedback, review of disturbances, ageing mechanisms, organisational topics, etc. → improved safety**
- **Utility benefits as service / equipment purchaser: competent service / equipment suppliers who have large enough installed base for gathering experience and expertise → improved safety and better economic efficiency**
- **Example: TVO's experience with OL1/2**

# TVO Situation

- **TVO is now in the middle of OL3 EPR project**
- **TVO is preparing for OL4 project with five different reactor alternatives included in the feasibility studies**
- **Finnish licensing requirements control the work**
- **Multinational co-operation brings collective expertise in evaluation of new plant designs, especially certain areas such as severe accidents**
- **Potential benefits of multinational authority co-operation could be for licensing procedures, e.g. enhance manufacturer certification and approval of off-the-shelf components (serial manufactured)**

**Thank you!**

