ENSREG Conference – 21st June 2022

Session 3 – New Designs: Regulatory Challenges

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Members and ENISS’ Basis

• Nuclear installation license holders from 14 European countries.
• ENISS legitimacy lies in the contributions by its members.
• ENISS is a platform for its members to exchange information on regulatory activities.
ENISS – a collective industry channel with focus on common denominators in safety
Evolution in support of regulatory harmonisation by providing consensus based industry views

### 2005
- WENRA SRLs
- IAEA Fundamentals
- Safety Standards
- Requirements, Guides

### 2010
- Work Programmes
- Stress Tests
- Topical Peer Reviews
- Conferences
- Stakeholder events
- NSD Art. 8a-c.

### 2015
- ENSREG Conference, 20th-21st June 2022 - Brussels

### 2020
- Pro-Active
- ENISS Position Papers (cf. www.eniss.eu)
- Broader Stakeholder involvement (ICRP, WNA, EUR, ISO, OECD/NEA)
- New Initiatives (e.g. SMR), Supply Chain
New Designs – Regulatory Challenges

European NPP Licensees’ expectations

- Facilitate the end goal of authorisation to build and operate (predictability, duration, resources)
- Common acceptance of the generic part of the NPP design
- Reduce project risks, enable positive series effects
- Enable the consistent use of completed assessments by regulators not initially involved in a common pre-licensing
New Designs – Regulatory Challenges

European NPP Licensees’ expectations

- Agree on a common set of requirements / expectations at the right level of detail

- Implement appropriate risk-informed approaches

- Passive systems, longer coping times, … => simpler designs
  Key to keep the designs as simple as possible

- Proportionate application of the set of requirements/expectations

- Coordinated approach to siting
New Designs – Regulatory Challenges
European NPP Licensees’ expectations

✓ Need to understand and accept different practices
✓ New approaches

The challenge of increasing flexibility

ENISS, and also the EUR association, are available to support