Breakout Session Group Presentation

Technology Promoters Assessment of SMR

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Introduction

The discussion in this group evolved around the SMRs assessment from technology promoters point of view.

Representatives from the following countries participated in the discussion:
- Saudi Arabia, Kuwait, Bahrain, Jordan, Egypt, and Libya.

The discussed topics are the following:
- Reasons for Interest in SMRs.
- Progress in Decision-Making process.
- Potential Challenges.
Topic 1: Reasons for Interest in SMRs

- The following is a list of reasons for the interest in SMRs in the participating countries:
  - Water desalination
  - District heating and cooling
  - Land size requirements and constructability.
  - Grid size applicability
  - Human capacity building
  - Job creation
  - Finance and funding
  - Integration with renewables
  - Reserved capacity
  - Variety of location options
  - Industrial applications
  - Reduction of manpower required and construction period.
Topic 2: Progress in Decision-Making process

• The following is a list of items influencing the decision making in the participating countries:
  • The political hierarchy in each country
  • Readiness of the technology
  • Conventional proven vs. new technologies
  • Risks associated with FOAK
Topic 3: Potential Challenges

- The following is a list of potential challenges for the deployment of SMRs in the participating countries:
  - Licensing experience
  - Public acceptance
  - Operational and construction experience
  - Accessibility for maintenance and inspection
  - Security
  - Transportability
  - Political stability
Thank you