Success of SMR Deployment

Regulatory Body

- Manufacturers
- Constructor
- Operating Organization
- R&D Organizations
- Designer
- Government
- International organizations
- Public

Federal Authority for Nuclear Regulation

United Arab Emirates
SMR readiness
(Source: IAEA ARIS, 2022)
Key Challenges of SMR Safety Regulation

National regulations that are applicable to water-cooled and non-water-cooled SMRs

IAEA Safety Standards and SMR Nuclear Harmonization and Standardization Initiative (NHSI)

1. Siting - SSR-1
2. Design safety regulation - SSR-2/1
   a) Safety principles and concepts
   b) Management of safety design
   c) General safety requirements
   d) Interfaces of safety, security and safeguards
   e) Specific safety requirements for SSCs
3. Commissioning and operation - operating experience - SSR-2/2
4. Waste management and decommissioning - GSR Part 5 and Part 6