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Possibilities for deployment of SMRs in Slovenia

Slovenia is a nuclear country with a NPP in operation since 1983 that in 2023 extended its operational lifetime for 20 years until 2043. A project for a new GEN III PWR is starting and according to plan it should begin its operation in 2037. In parallel, there are some other interesting options for investors in SMRs available in the country.

In 2023, the Slovenian Ministry of the Environment, Climate and Energy started preparation of a joint project with US Department of State for assessment of possibility to replace coal-fired power plants with generation of electric energy by SMRs. The Ministry organized a task group of possible investors into SMR projects and national grid provider as well as regulator, the Slovenian Nuclear Safety Administration (SNSA) that will prepare the pre-feasibility study concerning possible deployment of SMRs in Slovenia. The task force will receive consultancy and technical help from prominent US energy services company. The role of the SNSA is to provide information on licensing processes and legislative requirements for SMRs, including assessment of site-specific characteristics such as external hazards and functional requirements for SMR design and operation. The Phoenix project is planned to be completed by mid-2025.

Country OR International Organization

Slovenia

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