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## **FRENCH SMRS: LESSONS LEARNT FROM TWO YEARS OF REGULATORY SUPPORT FOR SMR PROJECTS**

Following the launch of President Macron's 'France 2030' plan in February 2020, a dozen SMR designers have contacted the Département de la sécurité nucléaire (DSN), the French nuclear security authority, to seek regulatory support for implementing security by design.

SMR projects pose challenges for the DSN as the designers lack practical knowledge of nuclear security and do not have access to classified information such as the DBT. These projects are planned to be installed in great numbers in locations where there are no nuclear facilities today and near populated areas. This represents a complete paradigm shift from the current French nuclear location.

The DSN had to adapt and create a new process to support SMR designers.

This paper will present the lessons learned related to the challenges faced and how the DSN addressed them, including the optimization of human resources, coordination with other competent authorities, drafting a guidance on security by design for SMRs and a step-by-step approach for technical dialogue on protected information, particularly for DBT.

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