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CAREM - THE ARGENTINEAN SMR

CAREM is a national SMR development project, based on LWR technology, coordinated by Argentina's National Atomic Energy Commission (CNEA) in collaboration with leading nuclear companies in Argentina with the purpose to develop, design and construct innovative small nuclear power plants with high level of safety and economic competitiveness. CAREM is an integral PWR type NPP, based on indirect steam cycle with features that simplify the design and support the objective of achieving a higher level of safety (integrated primary cooling system, self-pressurized, core cooling by natural circulation, in-vessel control rod drive mechanisms, passive safety systems).
CAREM25 is the demonstration plant of CAREM SMR, and was developed using domestic technology. At least 70% of the components and related services for CAREM were sourced from Argentinean companies.
The construction of CAREM25 has commenced, and the civil work on the reactor building is currently 85% advanced.

Country OR International Organization

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Confirm that the work is original and has not been published anywhere else

YES

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