SMRs in ARGENTINA, PERSPECTIVES

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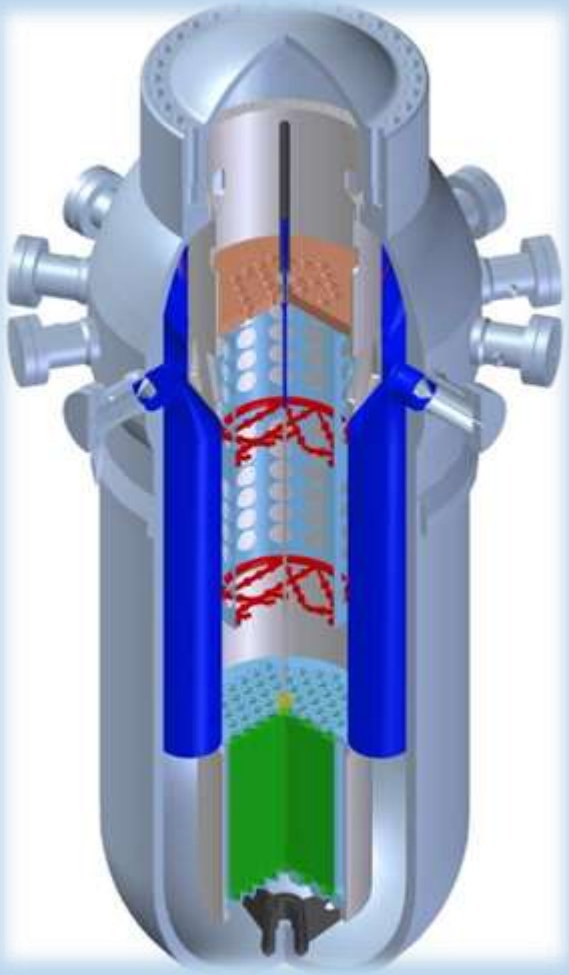
CAREM25 - BASIC PARAMETERS

- PWR type
- 31 MWe gross
- 100 MW core thermal power
- Integrated Primary System
- Natural circulation
- Self-pressurized
- Enriched UO_2 fuel
- Passive safety systems
- Operating cycle length of 18 months



AIMS OF THE PROTOTYPE

- To qualify the hole concept, in a small scale
- To develop the first Argentinean NPP
- To generate developing abilities within the CNEA, its associate companies and the private industry in Argentina (supplier development)
- To repeat the success obtained with the Research Reactors exportation.

Comisión Nacional
de Energía Atómica

CNEA (Argentina's National Atomic Energy Commission) – CAREM

Reactor description: Integral pressurised water reactor.	
Thermal power (MWth)	100
Outlet temperature (°C)	326
Spectrum (thermal/fast)	Thermal
Fuel type	UO_2 pellets
Fuel (LEU/HALEU/HEU)	LEU

PATHWAYS TO COMMERCIAL DEPLOYMENT

- TAKE ADVANTAGE OF LESSONS LEARNED
- REDUCE LICENCING TIME (prescriptive vs performance)
- REDUCE CONSTRUCTION TIME

Thank you

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