



ARGENTINE EXPERIENCE IN **NUCLEAR REACTORS**





ALGERIA



DESIGN LIFE 40 years



STATUS

Under construction



DESIGN CHARACTERISTICS

Integrated primary cooling system Self-pressurized

Core cooling by natural circulation
In-vessel control rod drive mechanisms

Passive safety systems

CAREM

DEMONSTRATION PLANT



REACTOR TYPE

Small Modular Reactor (SMR)
Integral Pressurized Water Reactor (PWR)



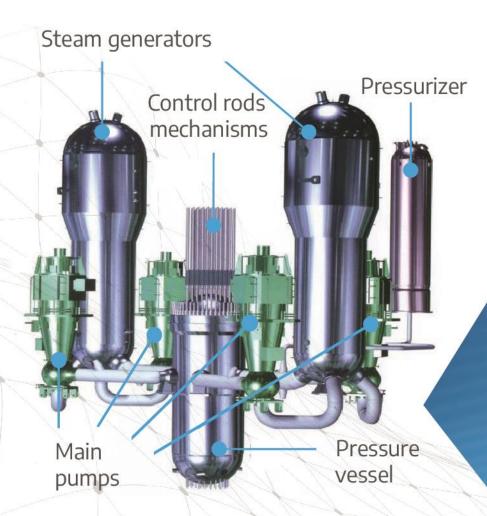


92 FUEL TYPE

UO2 pellet – hexagonal
Enriched UO2 fuel (3,1% and 1,8%)
61 fuel assemblies in the core



CLASSIC DESIGN



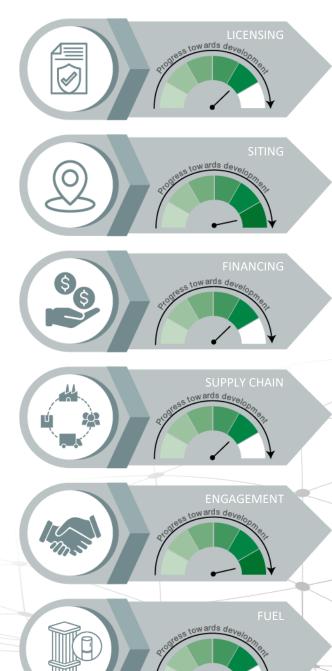
Steam dome (Self-pressurized) Control rods drives Steam generators (Secondary circuit) Control rods Core Pressure vessel CAREM

INTEGRATED DESIGN

NEA SMR DASHBOARD

The compilation includes analysis of 56 SMR designs and the progress towards their deployment and commercialization.



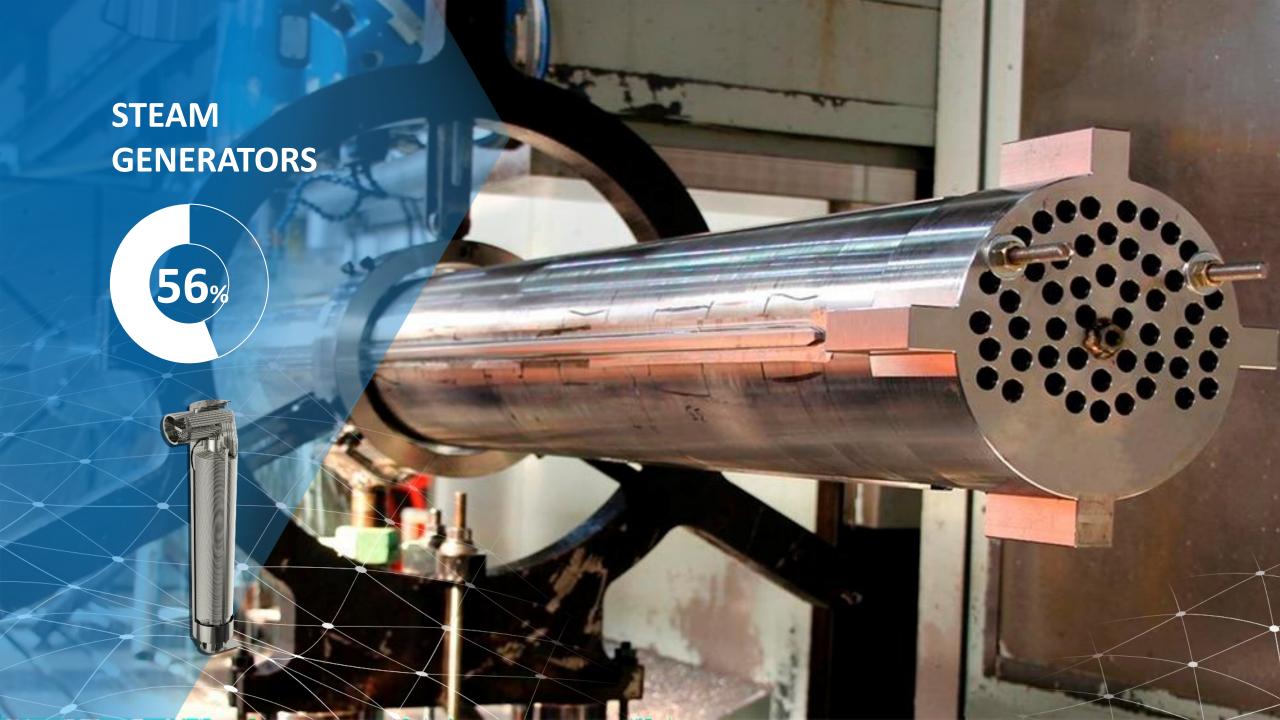


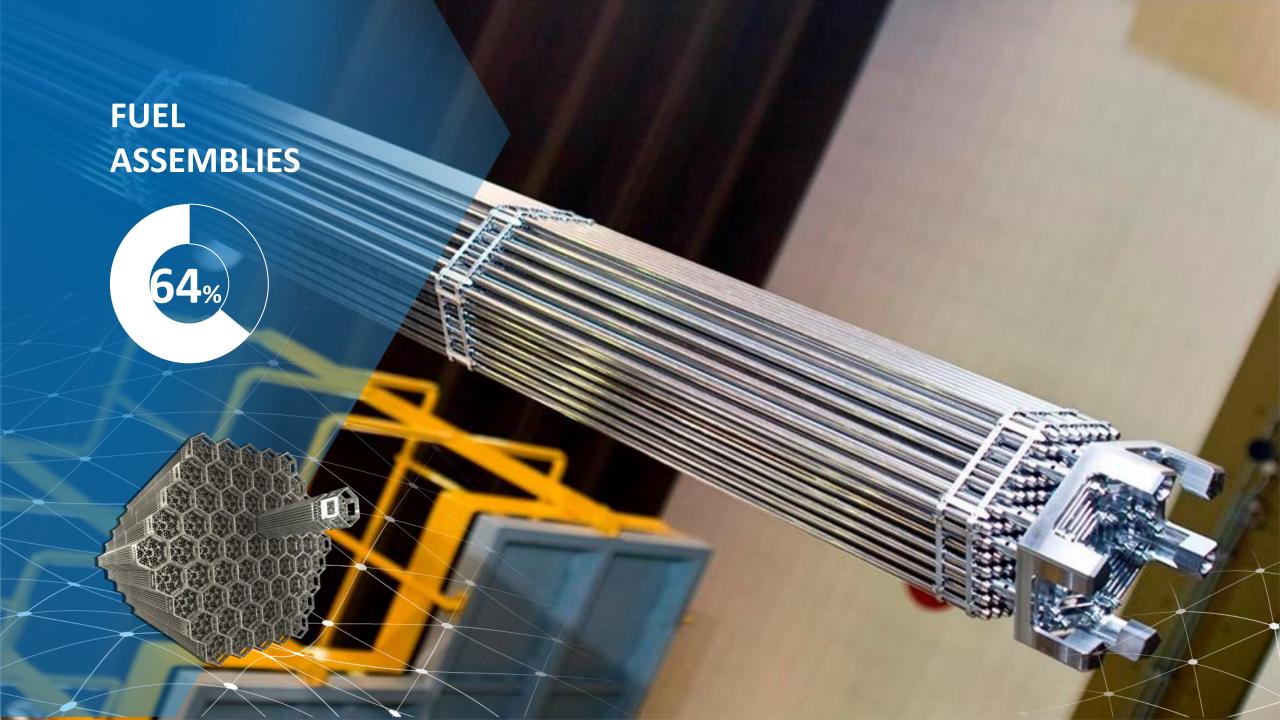
















THANK YOU

FOR YOUR ATTENTION



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