

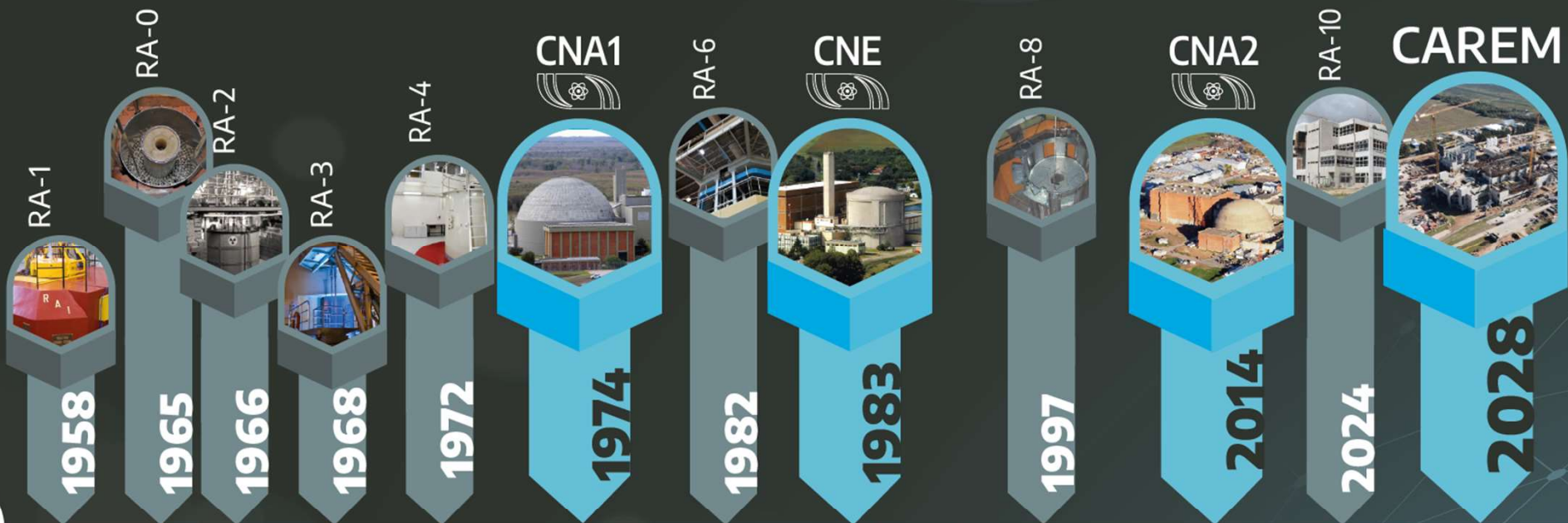
# CAREM

THE ARGENTINEAN SMR

AUGUST 2023 - BUENOS AIRES, ARGENTINA



# ARGENTINE EXPERIENCE IN NUCLEAR REACTORS



EXPORTACIONES  
INVAP

 NPPs

 RESEARCH REACTORES

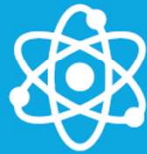


# NPP

FOR ELECTRICAL ENERGY

FIRST OF ITS KIND  
**32 MW (e)**

UNDER CONSTRUCTION  
IN LIMA, BUENOS AIRES



# SMR

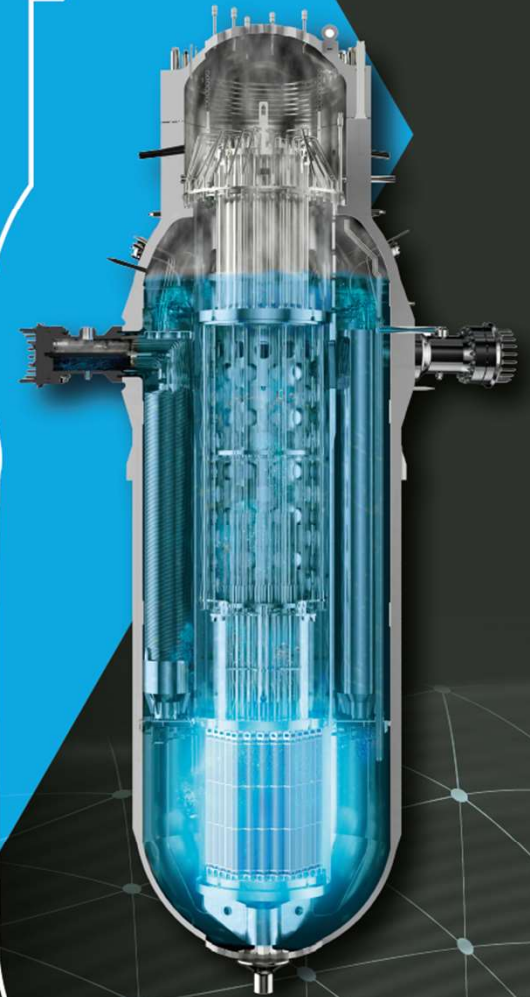
SMALL MODULAR REACTOR

**100%**  
ARGENTINE DESIGN

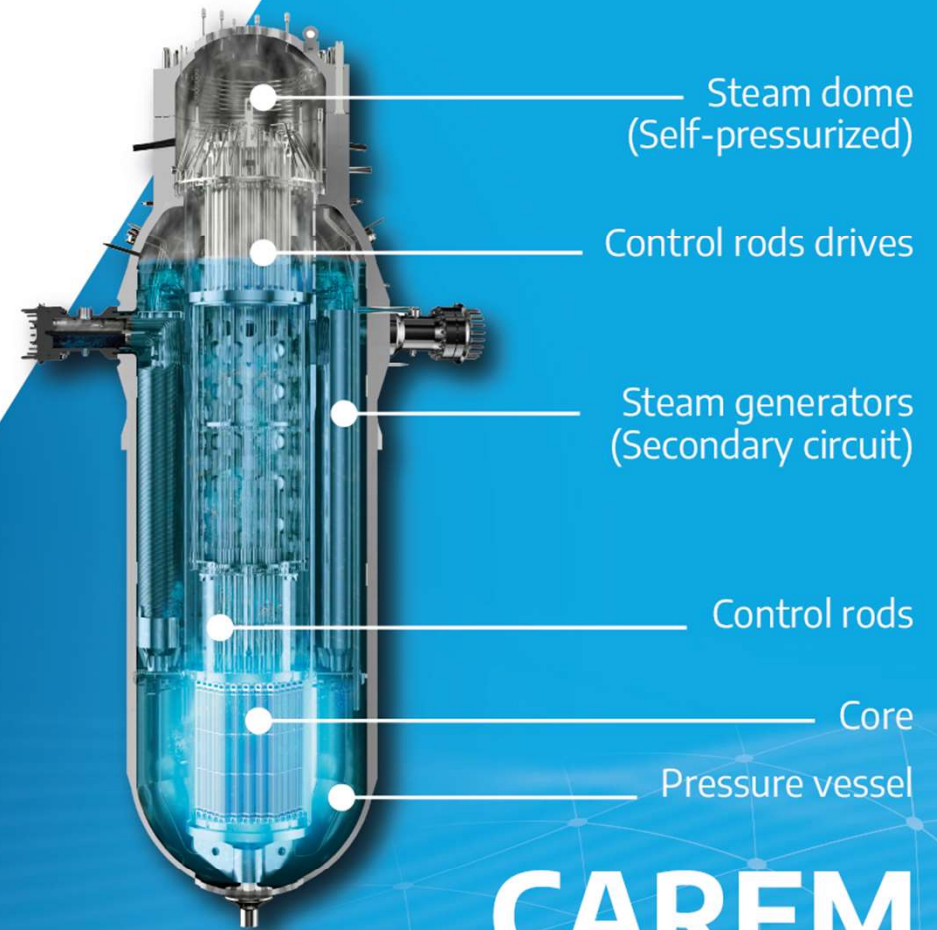
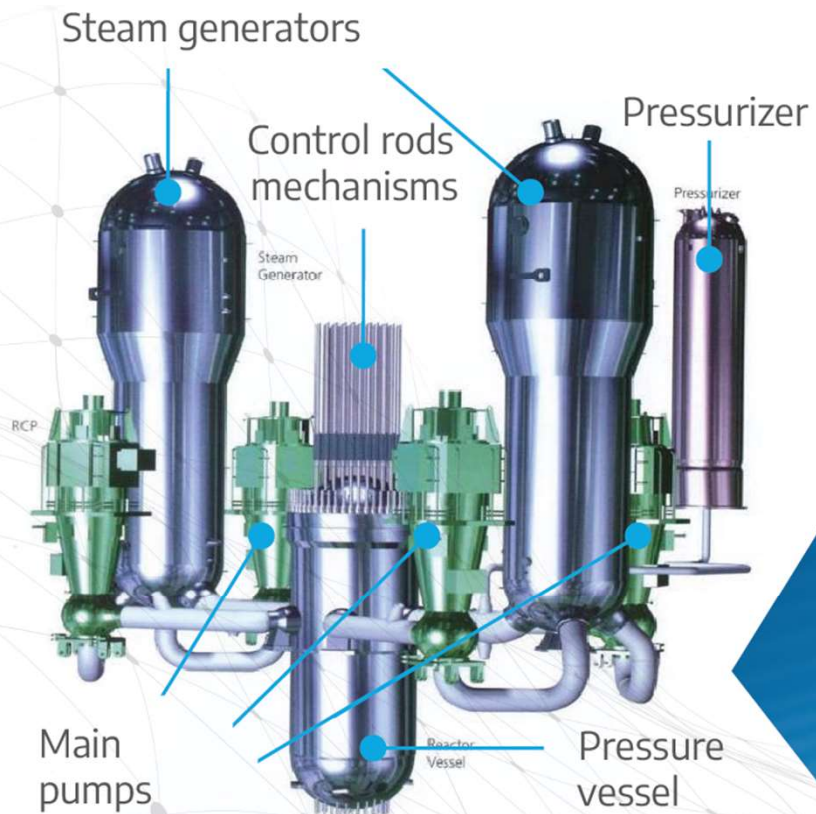
**70%**  
NATIONAL INDUSTRY



# ARGENTINA



# CLASSIC DESIGN



# CAREM INTEGRATED DESIGN

ENERGY SECURITY +  
NET ZERO CHALLENGE

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# A NEW ROLE OF NUCLEAR ENERGY IN THE GLOBAL ENERGY TRANSITION



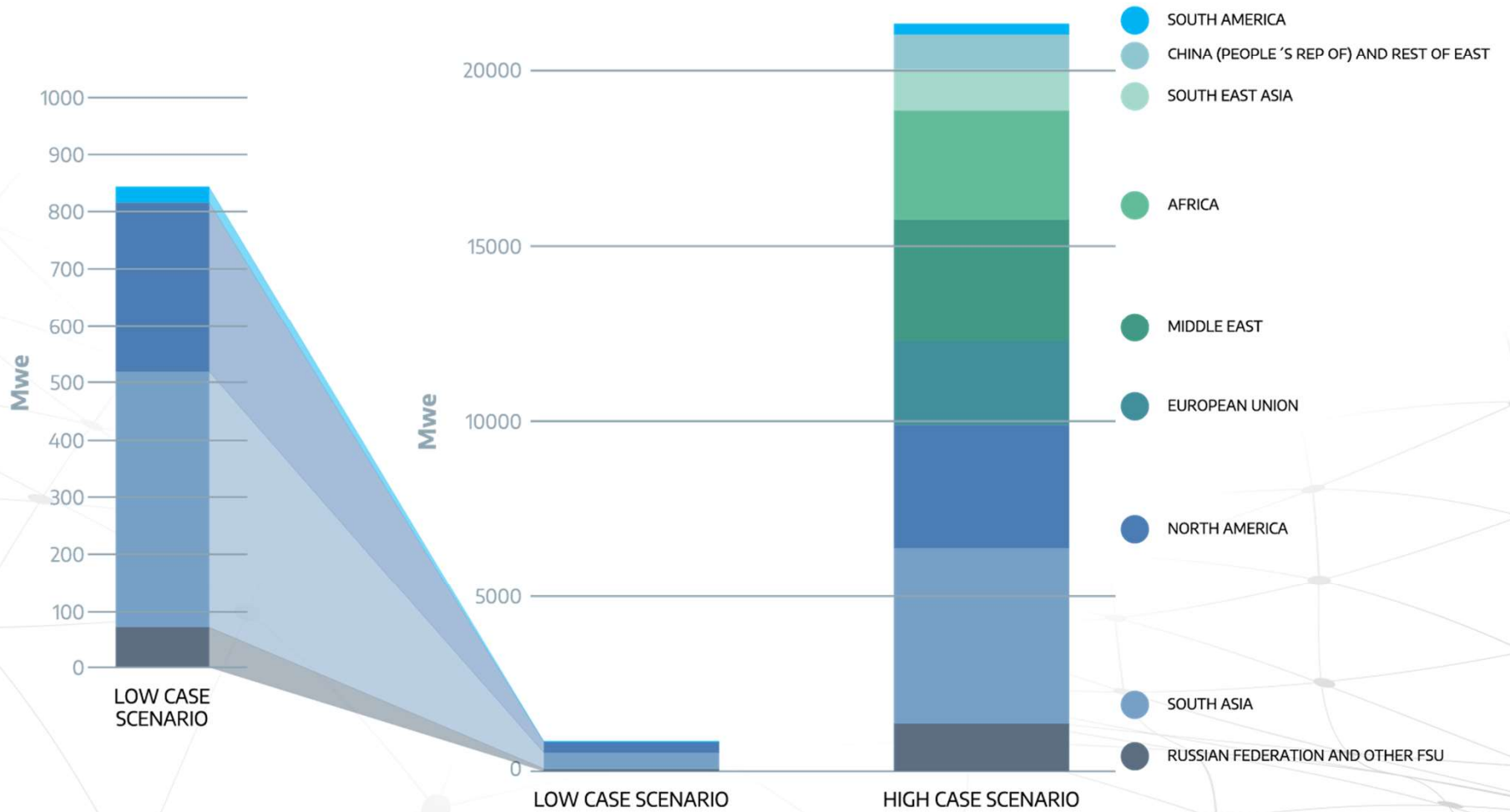
# SMR

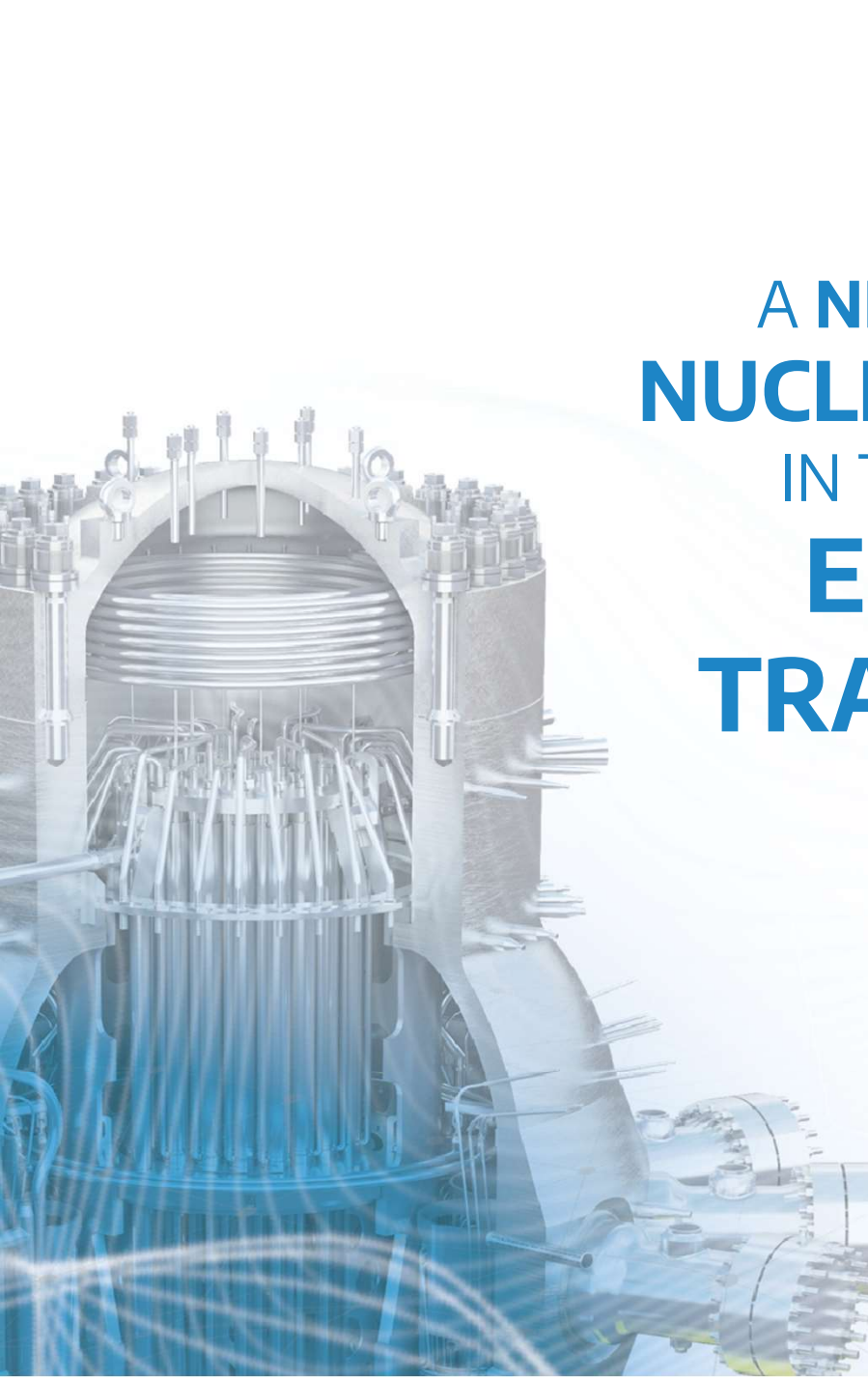
SMALL  
MODULAR  
REACTOR

NUCLEAR ENERGY WITH THE MARKETING AND  
FLEXIBILITY OF THE RENEWABLE ENERGIES

# SMR MARKET - NEA 2021

ESTIMATED **SMR** CAPACITY BY REGION IN 2035



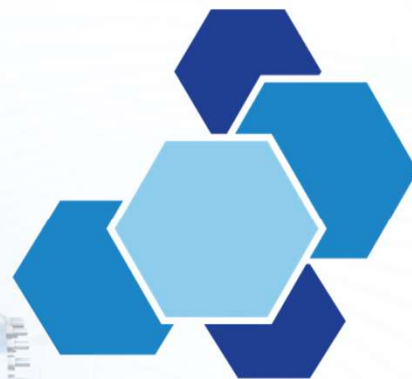


A NEW ROLE OF  
**NUCLEAR ENERGY**  
IN THE GLOBAL  
**ENERGY**  
**TRANSITION**

NEW NUCLEAR MARKET

SMALL MODULAR REACTOR SMR

IDEAL MARKETING SITUATION

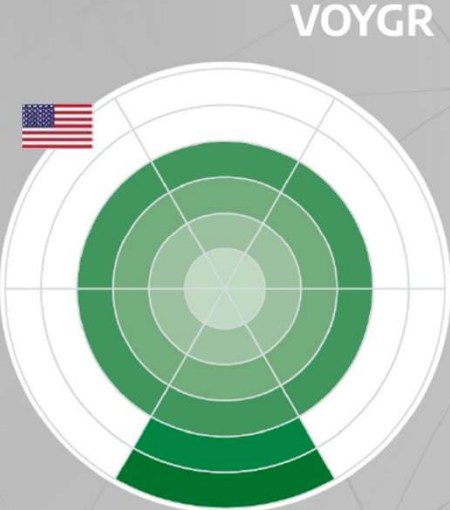
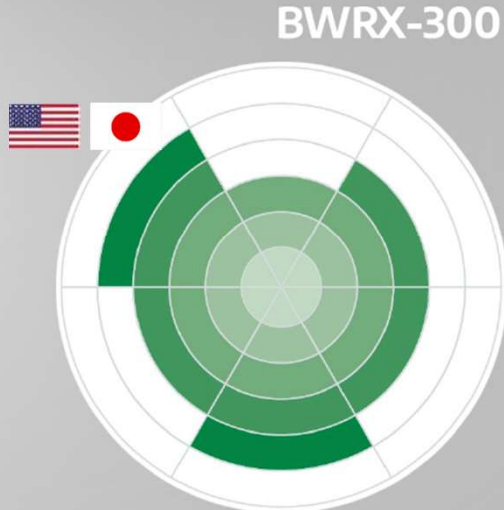


**CAREM**



# NEA SMR DASHBOARD

The compilation includes analysis of 21 SMR designs and the progress towards their deployment and commercialization.



\* THE NEA SMALL MODULAR REACTOR DASHBOARD, NEA No. 7650, © Oecd 2023

# NATIONAL DEVELOPMENT

CAREM is coordinated by **Argentina's National Atomic Energy Commission (CNEA)** in collaboration with leading nuclear companies in Argentina.

+160

CONTRACTS IN  
PROGRESS

70%



NATIONAL  
INDUSTRY

ARGENTINE  
COMPANIES  
SUPPLY ENGINEERING,  
SERVICES AND  
COMPONENTS

+1000

+1350

WORKERS  
ON THE PROJECT



Comisión Nacional  
de Energía Atómica



# INSTITUTIONAL VIDEO



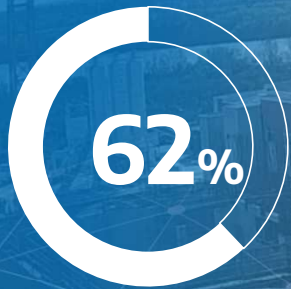


# CAREM

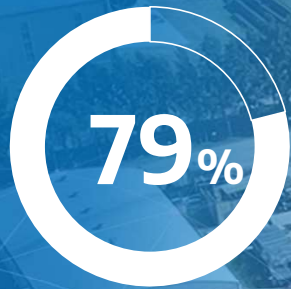
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PROGRESS

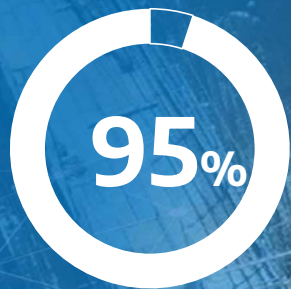
# PHYSICAL ADVANCE GENERAL



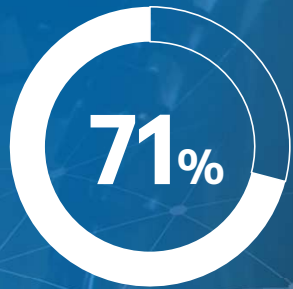
# REACTOR BUILDING



# CONTAINMENT LINER

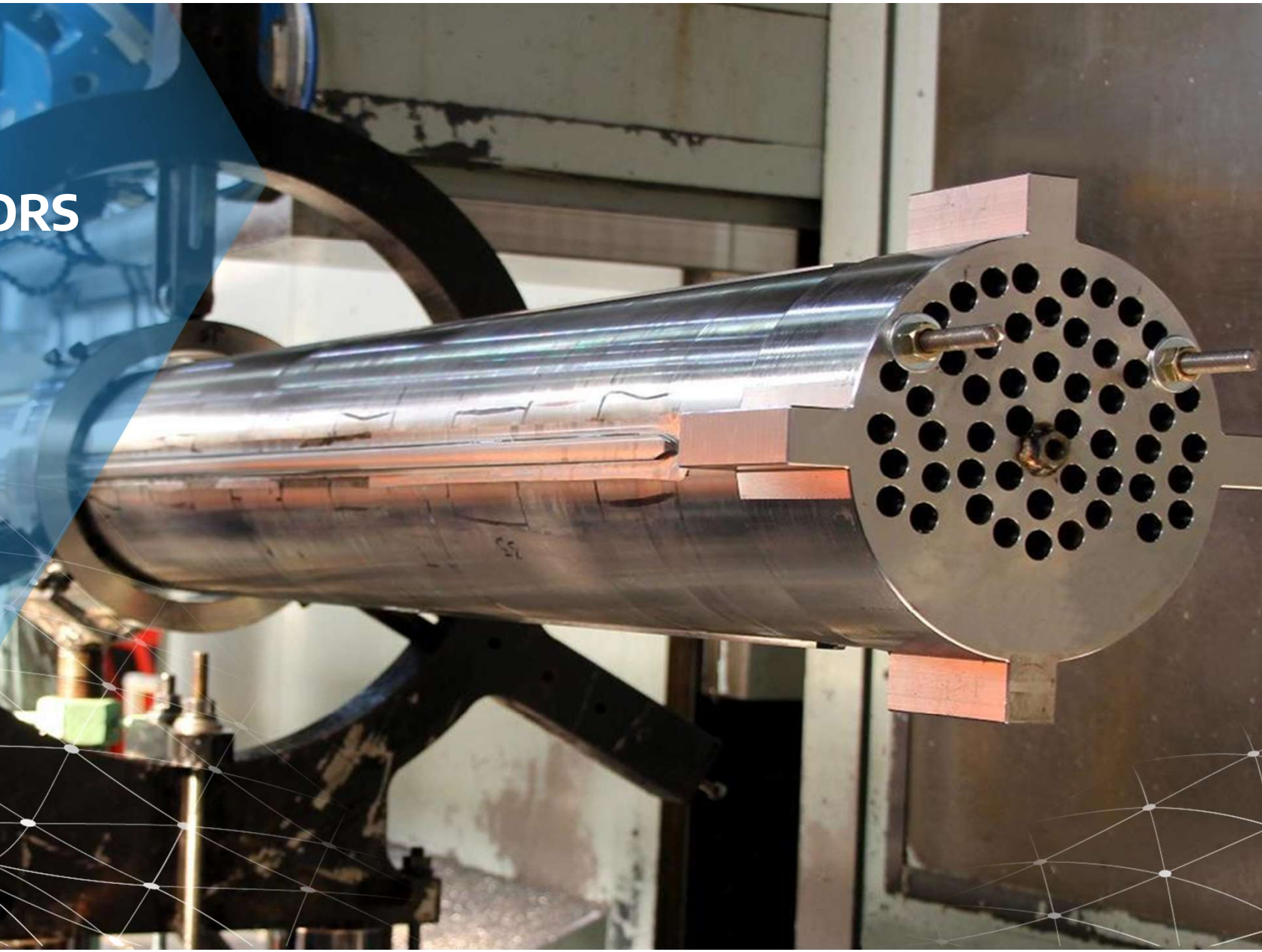
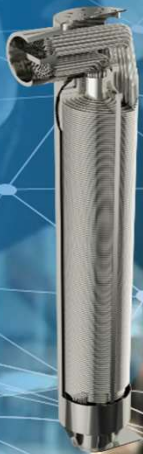
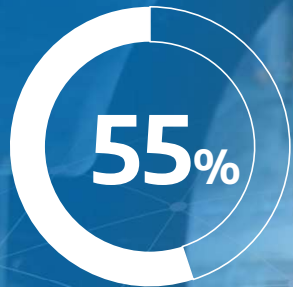


# REACTOR PRESSURE VESSEL

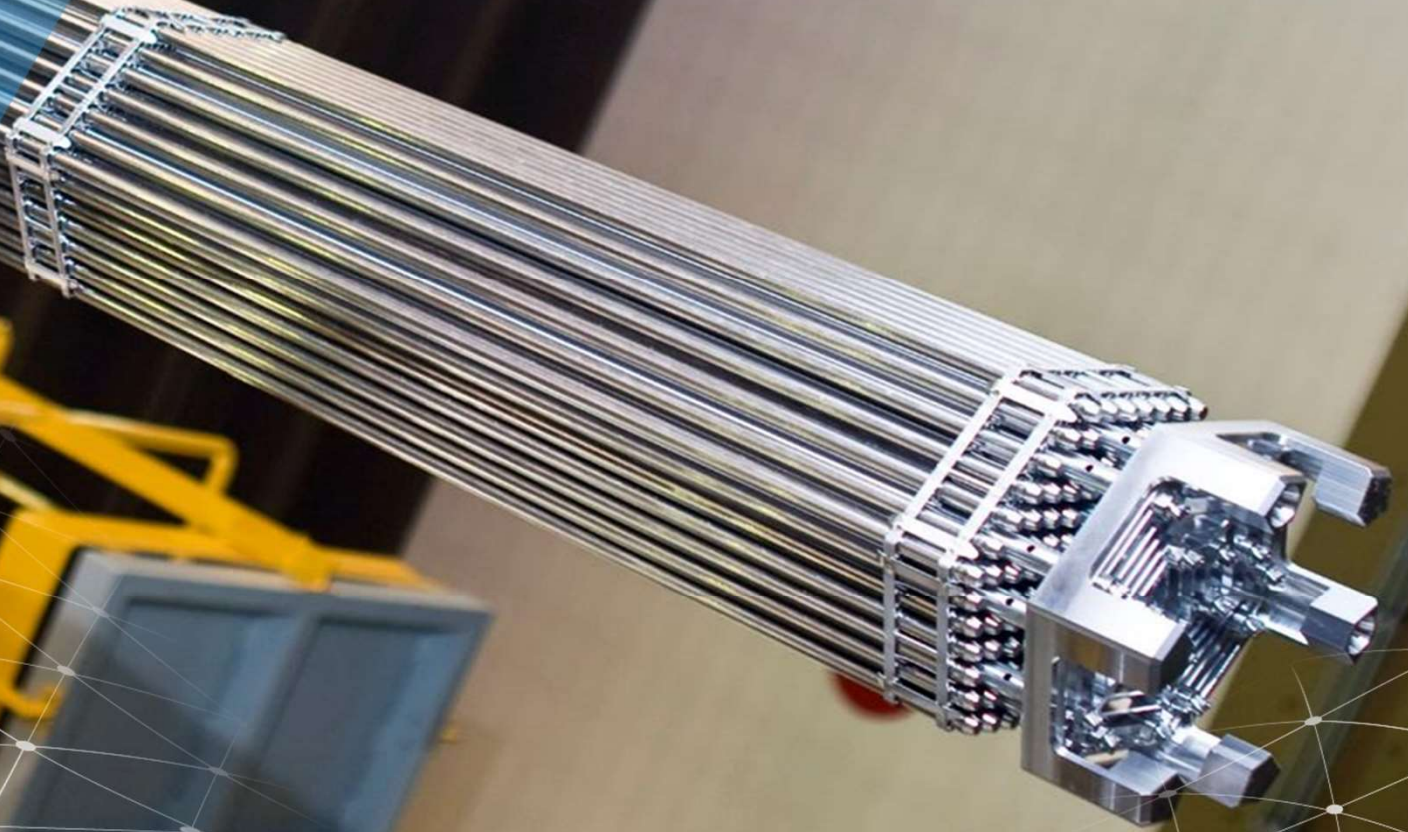
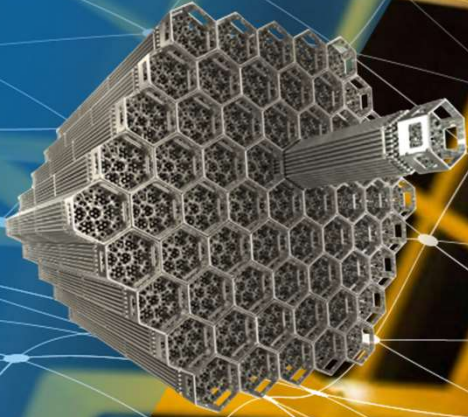
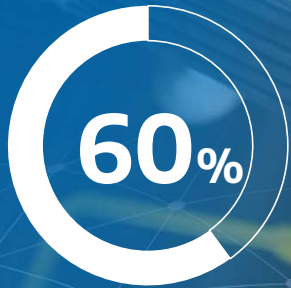




# STEAM GENERATORS



# FUEL ASSEMBLIES



# THANK YOU

FOR YOUR ATTENTION



[argentina.gov.ar/cnea/carem](http://argentina.gov.ar/cnea/carem)

[proyectocarem@cnea.gov.ar](mailto:proyectocarem@cnea.gov.ar)



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