

ansaldo | nucleare

# TECHNICAL PRESENTATIONS

Speaker: Giovanbattista Patalano

**CUSTOMER DAY** - October 4<sup>th</sup> 2023



- Ansaldo Nucleare's main commitment is to **innovate nuclear solutions** to protect the planet and power our future
- Timely and efficient solutions for the **safety upgrade, life extension and dismantling** of old plants, accelerating the return to green-field of nuclear sites
- **Integrate new flexible and more sustainable nuclear power plants**, to make the energy transition smoother and cheaper

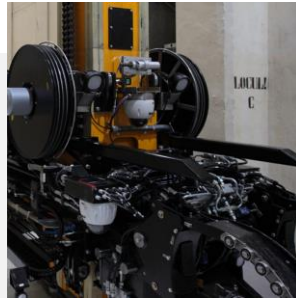


# Ansaldo Nucleare's dual role

## Complex integrated projects:

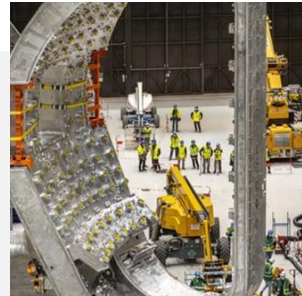


Delivery of New  
Plants and  
Equipment  
internationally

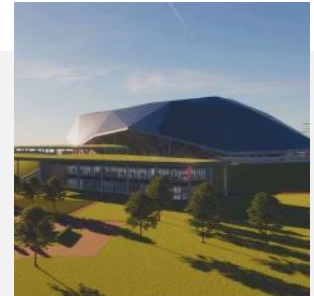


Delivery of  
Decommissioning  
and Waste  
Management  
Solutions

## New technical solutions for the future:



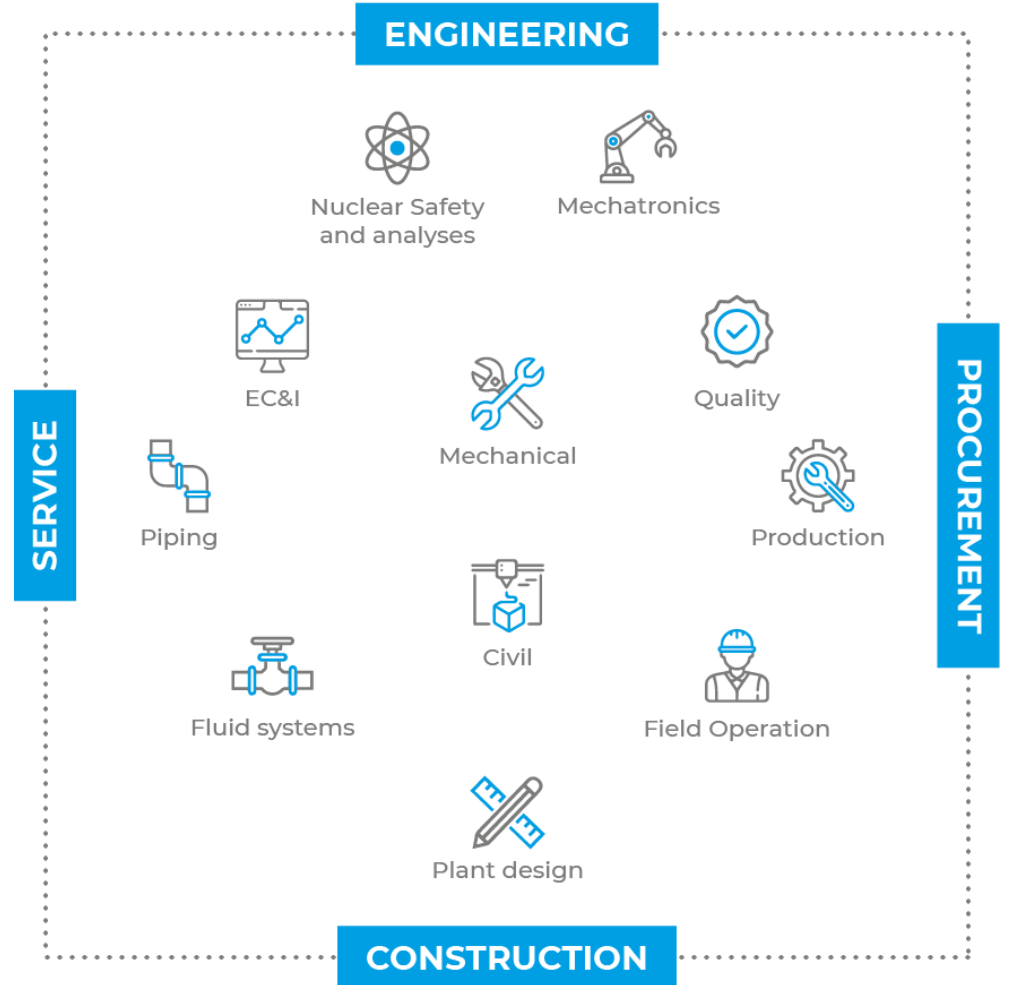
Development of  
Fusion Technology



Development of  
Small and  
Advanced Modular  
Reactors

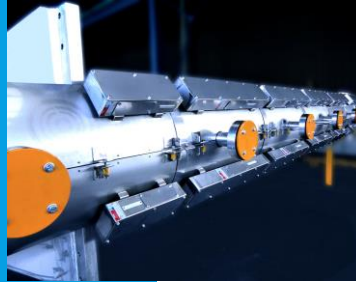
# Our capabilities

- In all our projects we bring value with our multidisciplinary capabilities
- Ansaldo Nucleare is leader of a nuclear supply chain in Italy, which includes the support from loyal and qualified sub-contractors
- The development of international collaborations enables the creation of synergies and expertises, making Ansaldo Nucleare a strategic partner for the EU supply chain



# Nuclear plant EPC contractor

Whether it's the design and construction of a new nuclear installation, modifications to an existing plant, or the treatment of radioactive waste, Ansaldo Nucleare is at the forefront.



## New nuclear builds

Cernavoda NPP, Romania

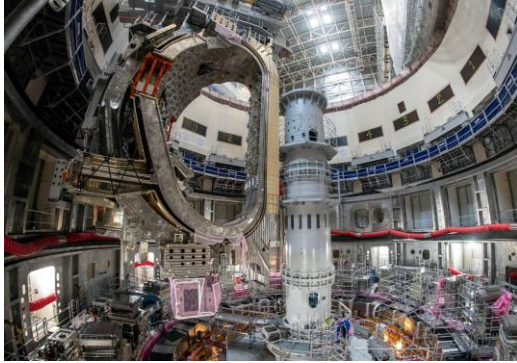
## Decommissioning & Waste Management

Trino NPP, Italy

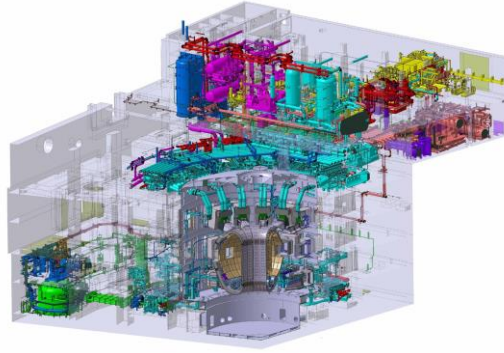
## Plant operation assistance

Krsko NPP, Slovenia

# Fusion as part of our business



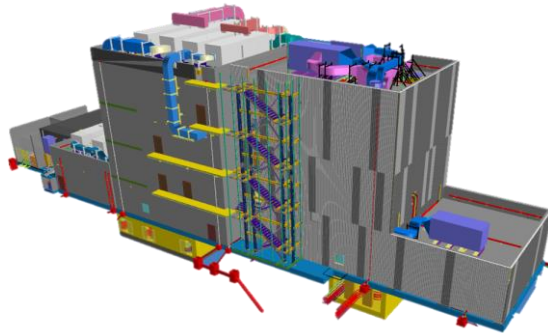
TAC2



TCWS



VACUUM VESSEL



TB13

From ITER to DEMO and DTT, Ansaldo Nucleare is heavily invested in **innovative fusion projects** across the globe.

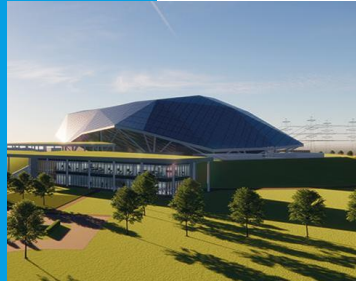
Our **experience in fusion technology** dates back to the 1980s, making us one of the most knowledgeable suppliers in the industry.

# Small Modular Reactors and Lead Fast Reactors

Ansaldo Nucleare plays a key role throughout the whole **value chain** (from concept to prototype) as system **integrator** with **manufacturing** capabilities in Italy and UK.



Nuward




UK SMR



Lead fast reactor





Nuclear energy is an essential component  
of the low-carbon economy, and Ansaldo  
Nucleare is ready to contribute to the relaunch of  
nuclear projects around the world

We are proud of our involvement in all these nuclear technologies, whose  
contribution to the abatement of overall carbon emissions could be  
crucial for the future of the planet

**THANK YOU FOR YOUR ATTENTION**

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