



# Enabling the World's Transition to Clean Energy

ANS Webinar: Path to Criticality

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# Kairos Power

Our mission is to enable the world's transition to clean energy, while improving people's quality of life and protecting the environment.

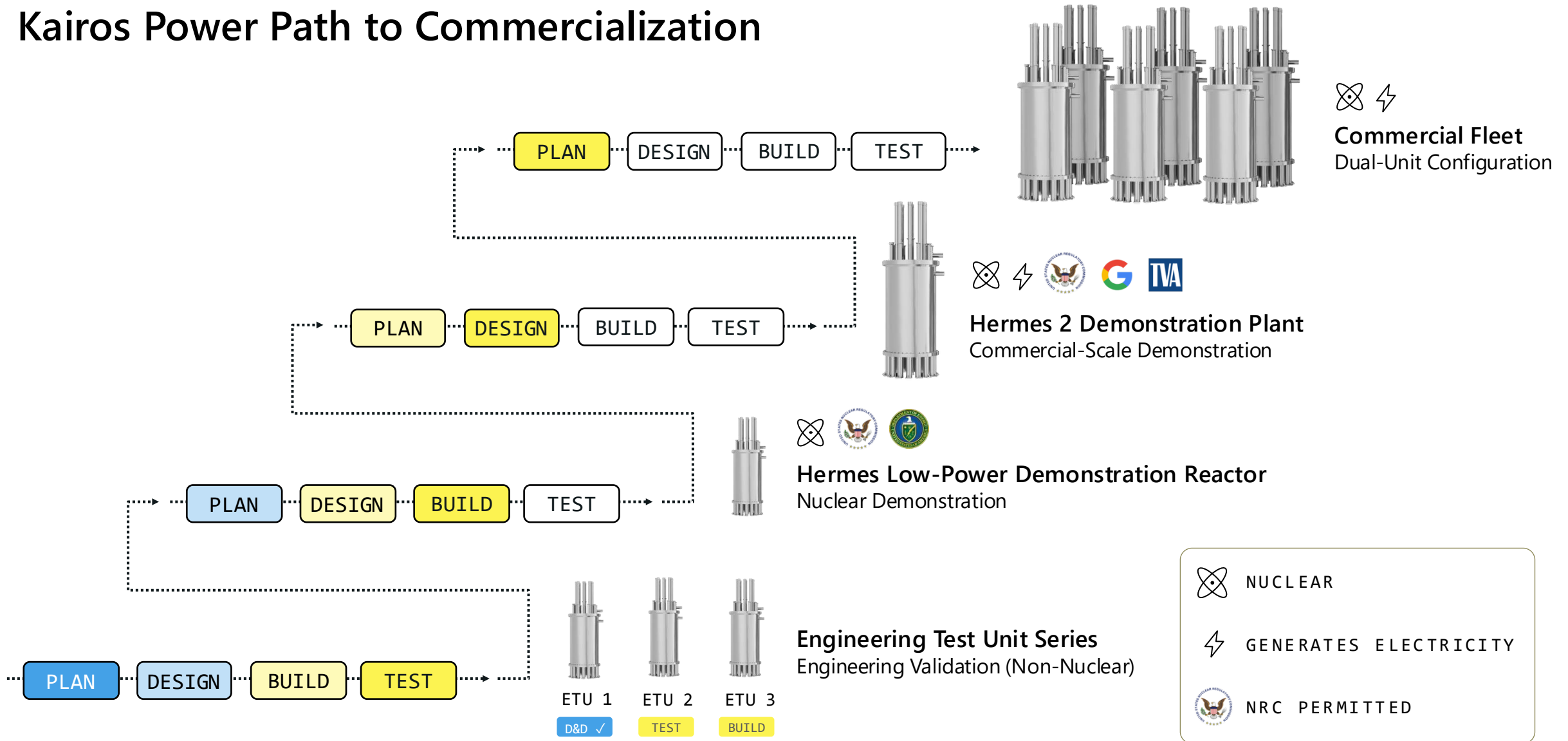
To achieve this mission, we are focused on delivering a technology that is both **safe** and **affordable**.



# Journey to Nuclear

- Physics → Impact
- Nuclear = **science at scale**
- Mentorship → clarity of purpose
- Nuclear = **necessary solution**
- Goal: **real impact on society**

# Kairos Power Path to Commercialization



ETU 2 AND HERMES 1

# Recent Progress

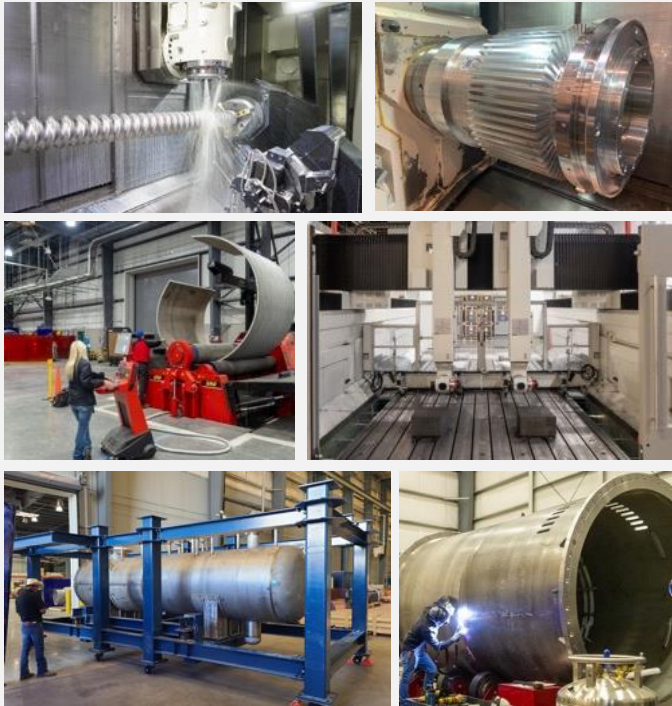


DELIVERING COST CERTAINTY

## Vertical Integration

*Kairos Power is vertically integrating production or assembly of components and materials that are:*

- 1) salt-connected
- 2) safety-related
- 3) not available off-the-shelf



Reactor Component Manufacturing  
& Modular Systems Construction



Fuel Production



Molten Salt Coolant Production





# Kairos Power

THE CHALLENGE IS GREAT, BUT  
SO TOO IS THE OPPORTUNITY



# Backup slides

# Kairos Power Overview

- Nuclear energy engineering, design, and manufacturing company singularly focused on the commercialization of the fluoride salt-cooled high-temperature reactor (FHR)
- Novel approach to nuclear development that includes iterative hardware demonstrations and in-house manufacturing to achieve disruptive cost reduction and provide true cost certainty
- Driving toward US demonstration by 2030 (or earlier) and rapid deployment ramp in 2030s
- Cost targets set to be competitive with natural gas in the US electricity market



Founded in 2016



550+ Full time employees



Alameda Headquarters



Albuquerque Manufacturing Development Campus



Oak Ridge Reactor Demonstration Campus

