

# NRIC and Demonstration Update

LINE Commission Meeting

May 12, 2021

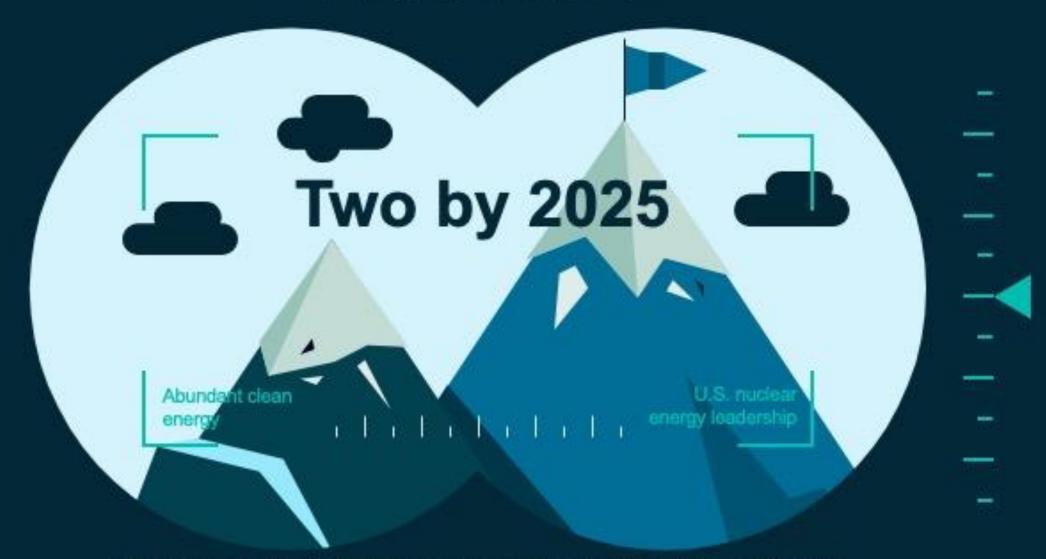
Ashley E. Finan, Ph.D., NRIC director

ashley.finan@inl.gov

nric.inl.gov



### NRIC Vision



Commercial Advanced Nuclear by 2030

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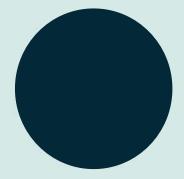


Dr. Ashley Finan Director

Nicholas Smith Deputy Director

Brad Tomer Chief Operating Officer

Cheyenne Odenthal Administrative Assistant











Greg Core Technical Lead

Dr. Jon Webb Senior Engineer

Stacie Strain Risk Coordinator

Donna Spangler Senior Communications Strategist



Brian Spears
Technical Program Manager



Stephen Grabinski Project Manager



Emily Gallegos Project Coordinator



Christine Williams Project Manager



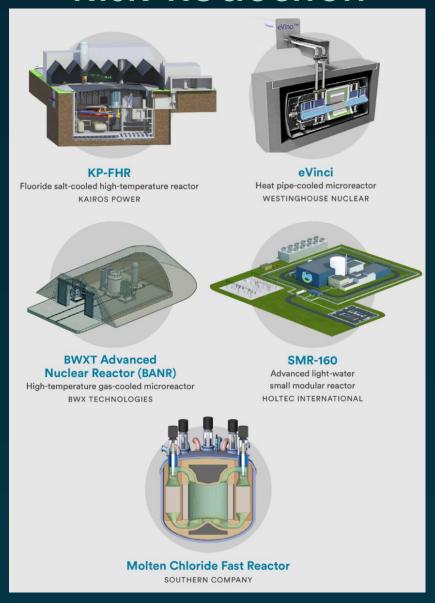
Phil Schoonover Sr. Program Manager

#### **ARDP Projects**

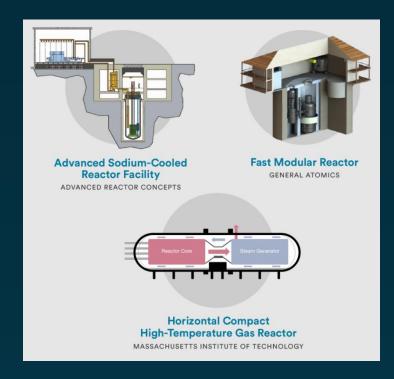
#### **Demonstration**



### Risk Reduction



### Concept Development



Slide content courtesy of U.S. DOE-NE



### Additional Projects with NRIC Support

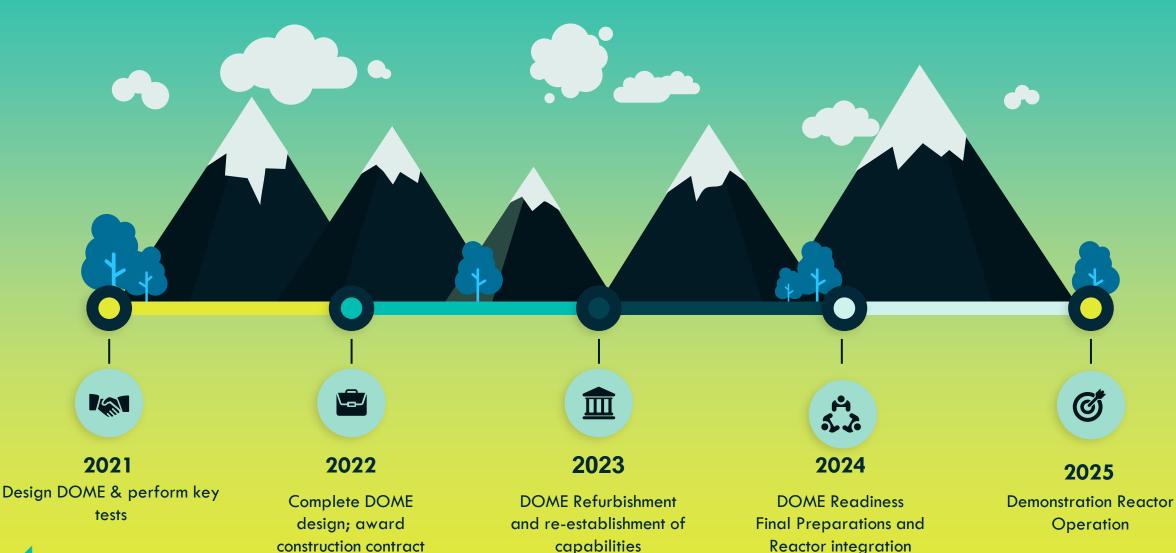
- Oklo
- Micronuclear
- Radiant
- DOD SCO Pele
- MARVEL



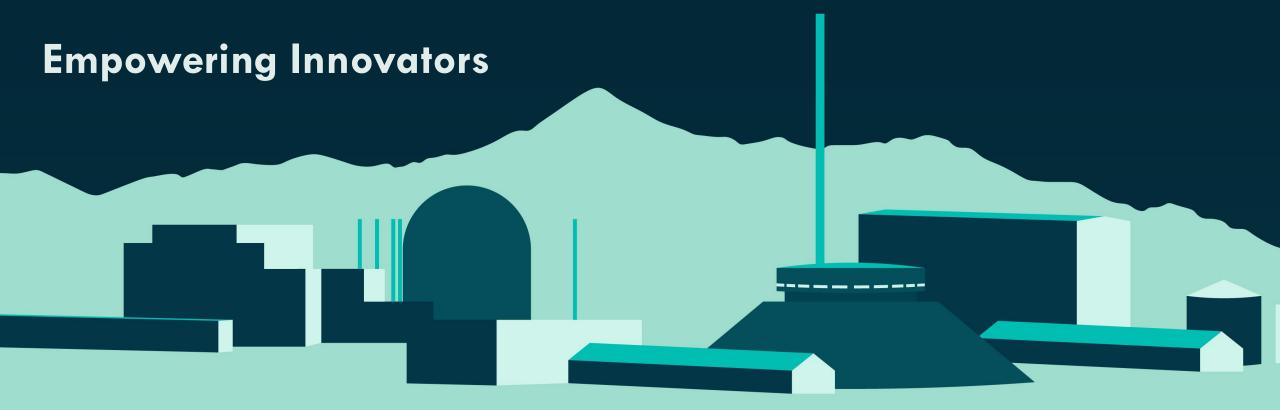




### NRIC Timeline for Demonstration in DOME Test Bed (representative)







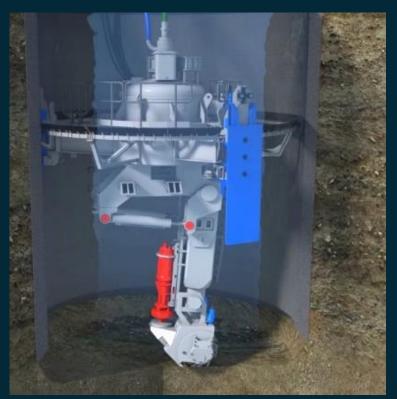
- Demonstration Resource Network (https://nricmapping.inl.gov/)
  - Test Beds DOME, LOTUS
  - Demonstration Sites
  - Experimental Facilities

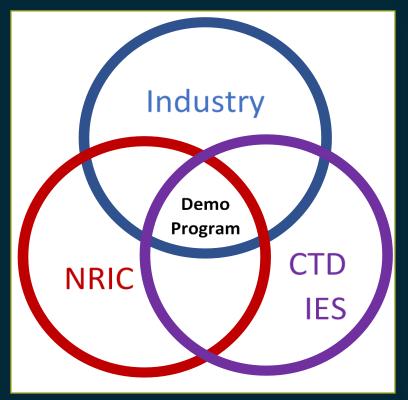
- Regulatory Risk Reduction
- Virtual Test Bed
- NRIC Resource Team
- Risk Management
- Coordination & Best Practices

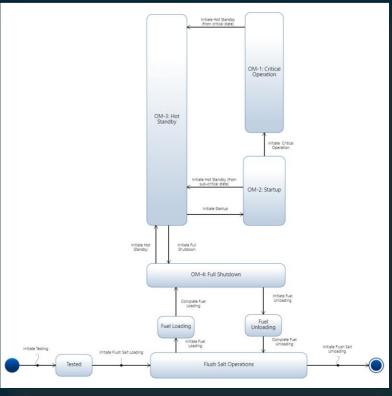


# Addressing Cost and Markets

- Advanced Construction Technologies
- Integrated Energy Systems EOI released April 22, 2021
- Digital Engineering
- Construction Readiness initial scoping









## Thank you!



