

# Regulatory Information Conference

## eVinci™ Microreactor

Mike Corletti

**Sr. Director, eVinci Technologies Engineering & Licensing**

Clean & Reliable Energy for the 21<sup>st</sup> Century



Westinghouse



# Innovative Solutions Portfolio

Meeting customers' **flexible energy** demands by shaping today's and tomorrow's energy landscape



AP1000® PWR  
~1200 MWe



AP300™ SMR  
300 MWe



eVinci™ Microreactor  
5 MWe

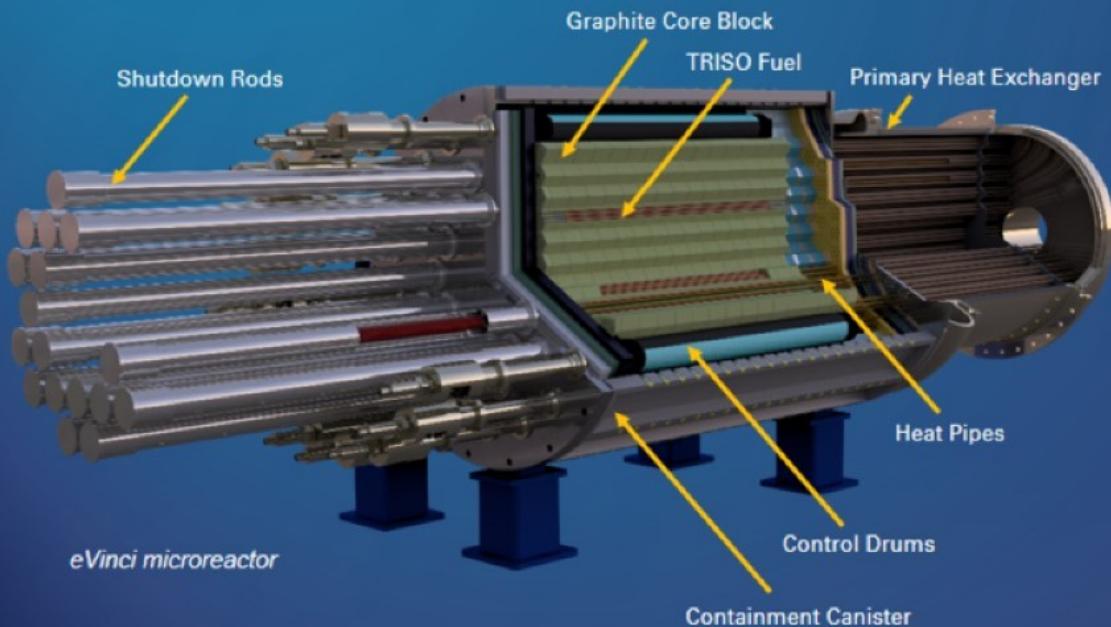


Long Duration Energy Storage  
Unlimited MWe for ~10 hours



# OUR SOLUTION: THE EVINCI MICROREACTOR

HEAT PIPE TECHNOLOGY FOR THE WORLD'S FIRST 'NUCLEAR BATTERY'



- Factory built, 5 MWe reactor with flexible heat and power capabilities
- Transportable for ease of delivery, installation & commissioning onto a small site footprint
- Elimination of spent fuel storage on site
- Digitalization

# GROWING LIST OF APPLICATIONS

- New applications stemming from growing customer needs
- Heat and power applications

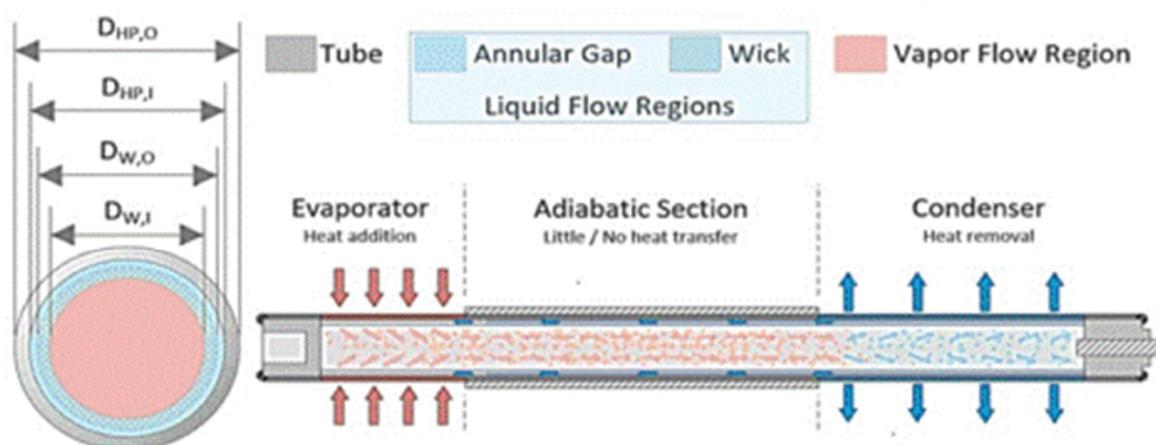
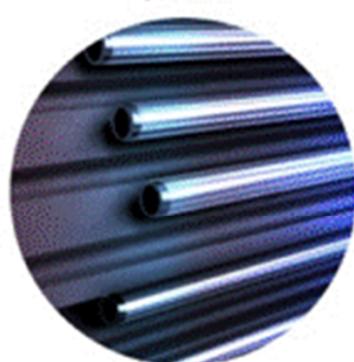
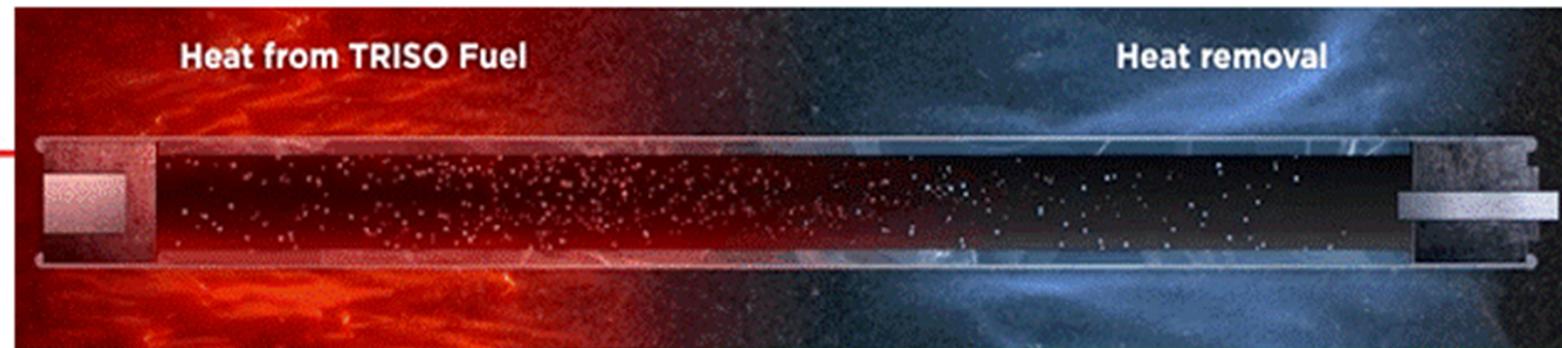


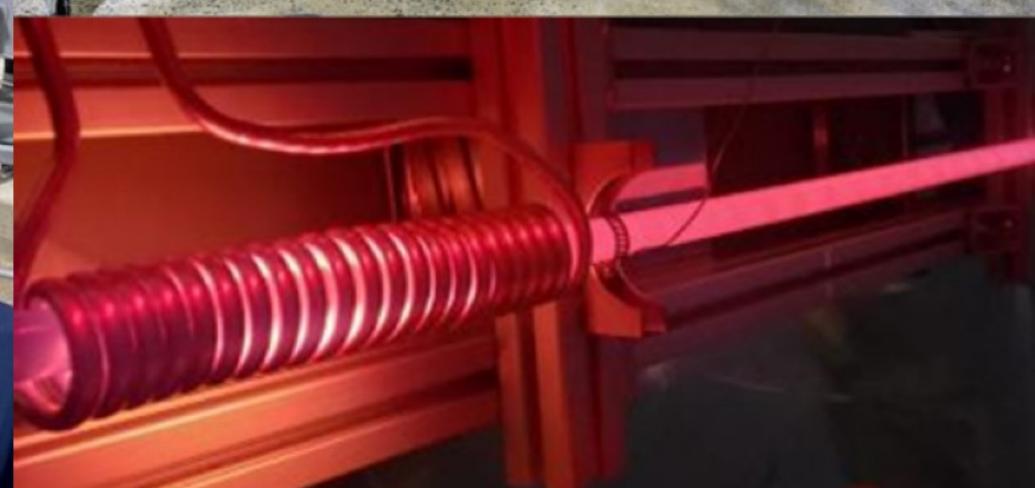
# AND BEYOND...



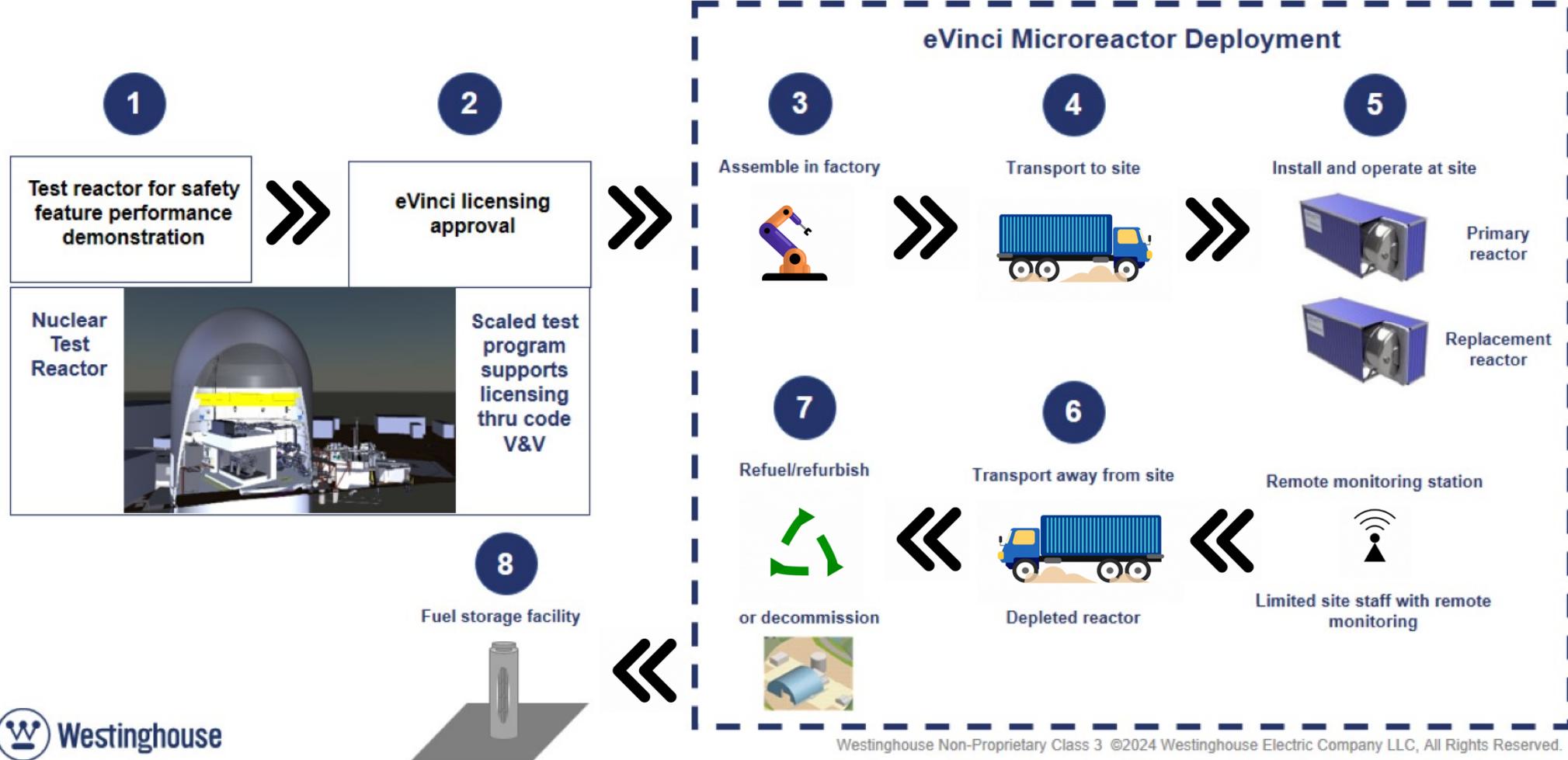
# Heat Pipes Enable the Nuclear Battery Model

Very Low Pressure • Passive • Single Failure Tolerant • Isothermal • Self-Regulating

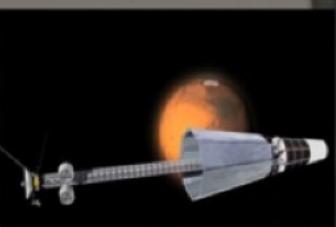




# eVinci Microreactor – Deployment & Fuel Lifecycle



# eVinci Technologies Recent Achievements



- \$16.9M awarded from Air Force Research Laboratory's (AFRL) JETSON thermal propulsion contract

Selected by Idaho National Labs for FEEED study to plan for deployment of the eVinci Nuclear Test Reactor at INL

Opening of the eVinci Technologies Accelerator Development Hub Pittsburgh, PA

Completed full scale demo testing of key safety components Control Drums and Shut Down Rods

First eVinci customer announcement in Saskatchewan with Saskatchewan Research Council



# Thank You



Westinghouse  
Electric Company



@WECNuclear



Westinghouse  
Electric Company



wecchinanuclear

[westinghousenuclear.com](http://westinghousenuclear.com)



Westinghouse