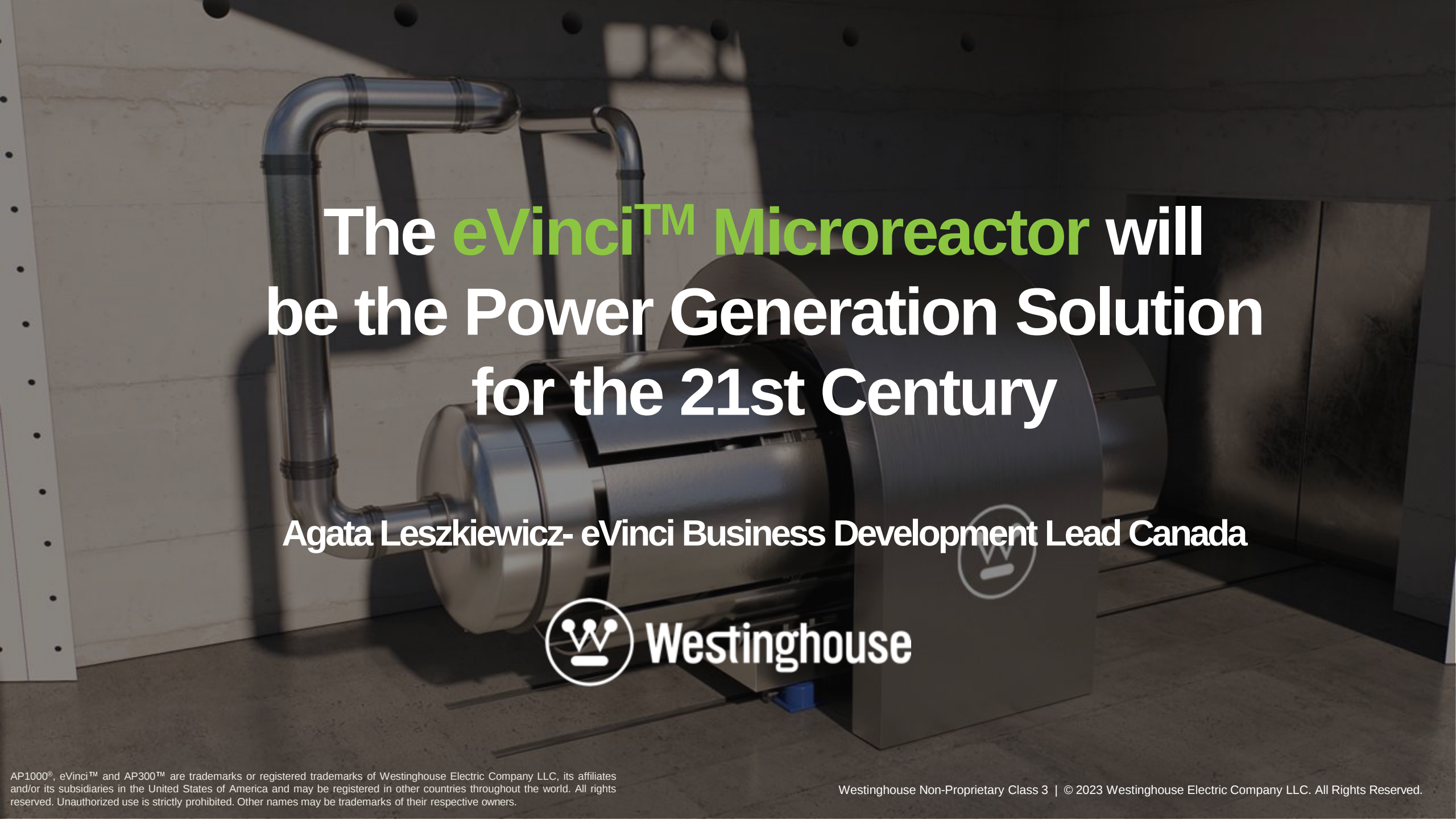




The **eVinci™ Microreactor** will be the Power Generation Solution for the 21st Century

Agata Leszkiewicz- eVinci Business Development Lead Canada



Westinghouse

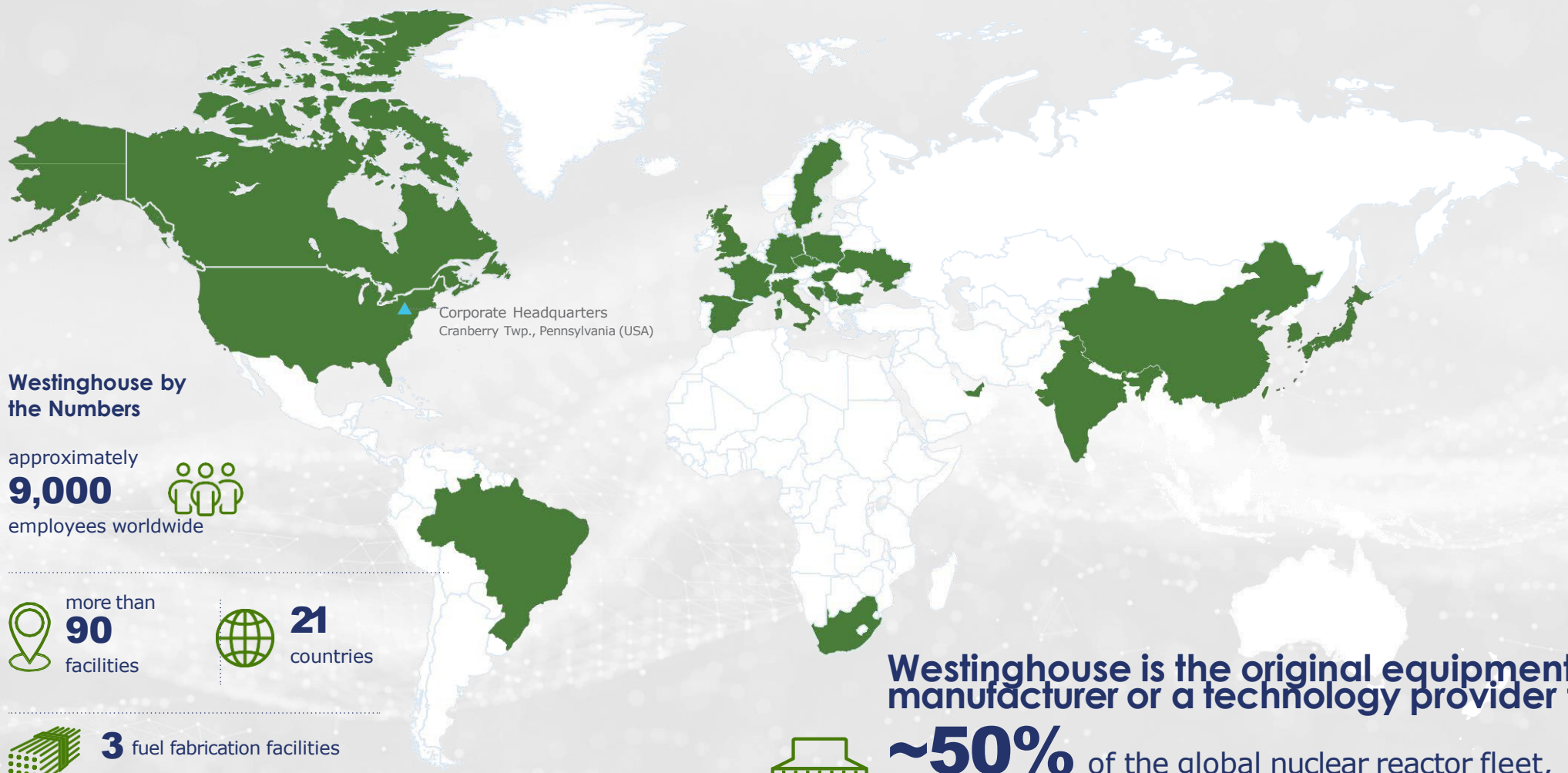
Westinghouse Overview



Global presence

Legend

- ▲ Corporate Headquarters
- Countries with Westinghouse Presence



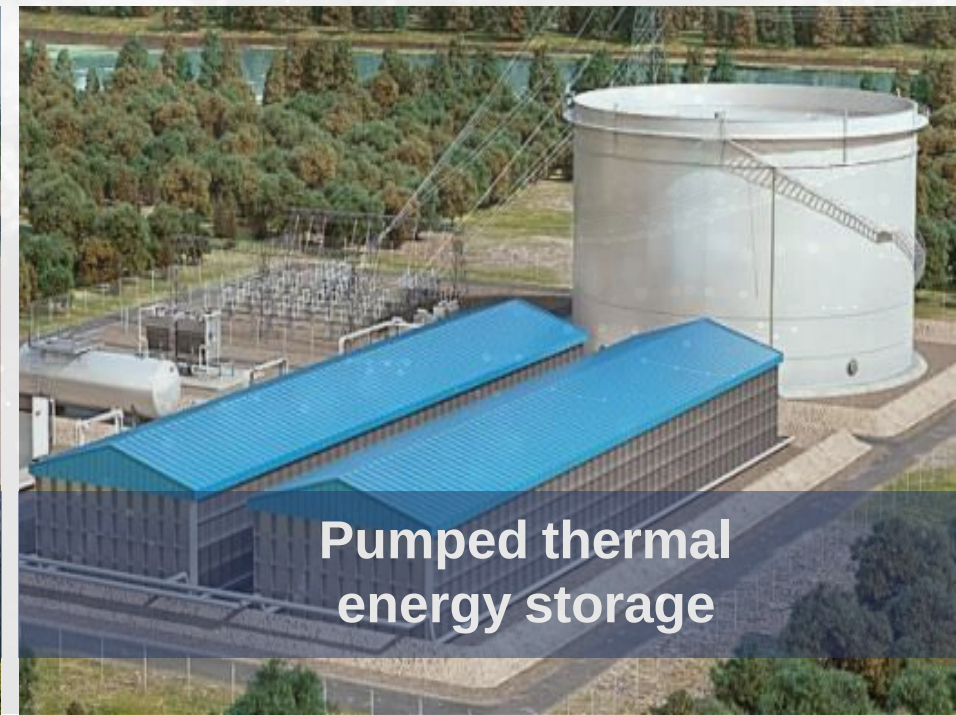
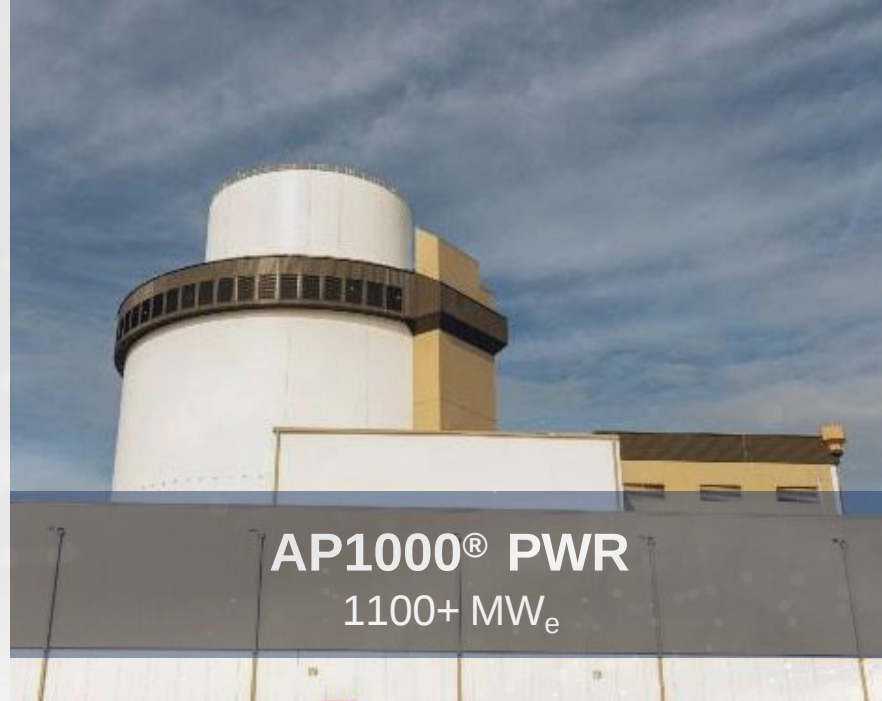
Westinghouse is the original equipment manufacturer or a technology provider to:

~50% of the global nuclear reactor fleet,
delivering capacity of ~190,000 carbon-free MWe





Energy Systems
A portfolio of innovative nuclear solutions



Pumped Thermal Energy Storage

Grid-Scale Long Duration Energy Storage with Unmatched Application Flexibility

~65% LCOS compared to
Li-ion batteries

60 Year technology lifespan with
capability for unlimited cycles

100% non-toxic, with no hazardous
materials, in an inherently
safer design



Sept 22, 2023:
DoE funded Pilot Project in
Healy, Alaska: 100MW/10hr to
support intermittent power

eVinci Site



3 acre, above ground footprint



1:1 Size eVinci Model in Saskatoon



eVinci Site



Security Barriers

Microreactor Replacement
Enclosure Bay

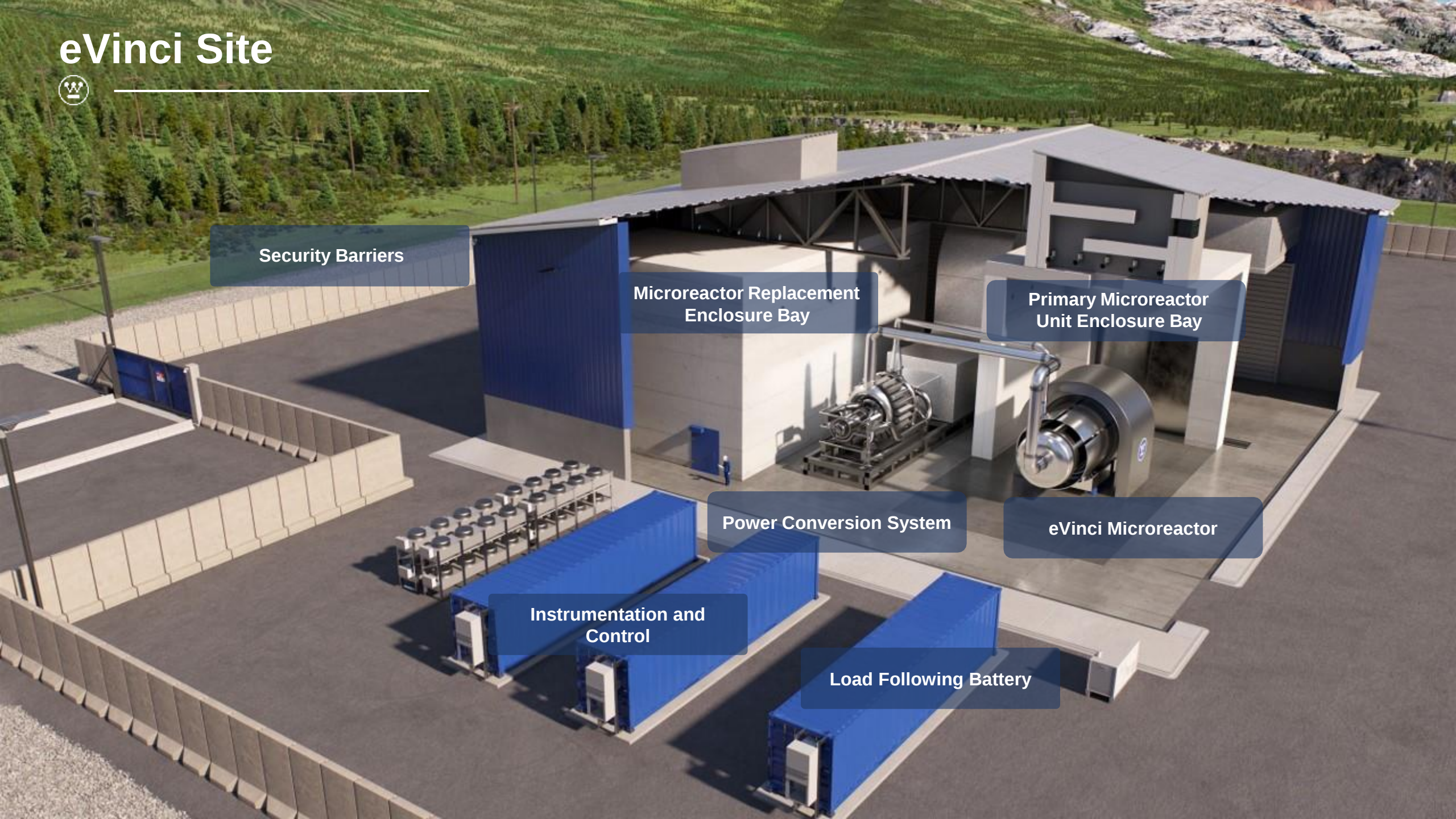
Primary Microreactor
Unit Enclosure Bay

Power Conversion System

eVinci Microreactor

Instrumentation and
Control

Load Following Battery



Reactor Installation and Replacement



- Factory assembled and fuel loaded before transport
- Reactor installed in 30 days, providing 8+ years of 24/7 power
- Black start capable

eVinci Microreactor Capability

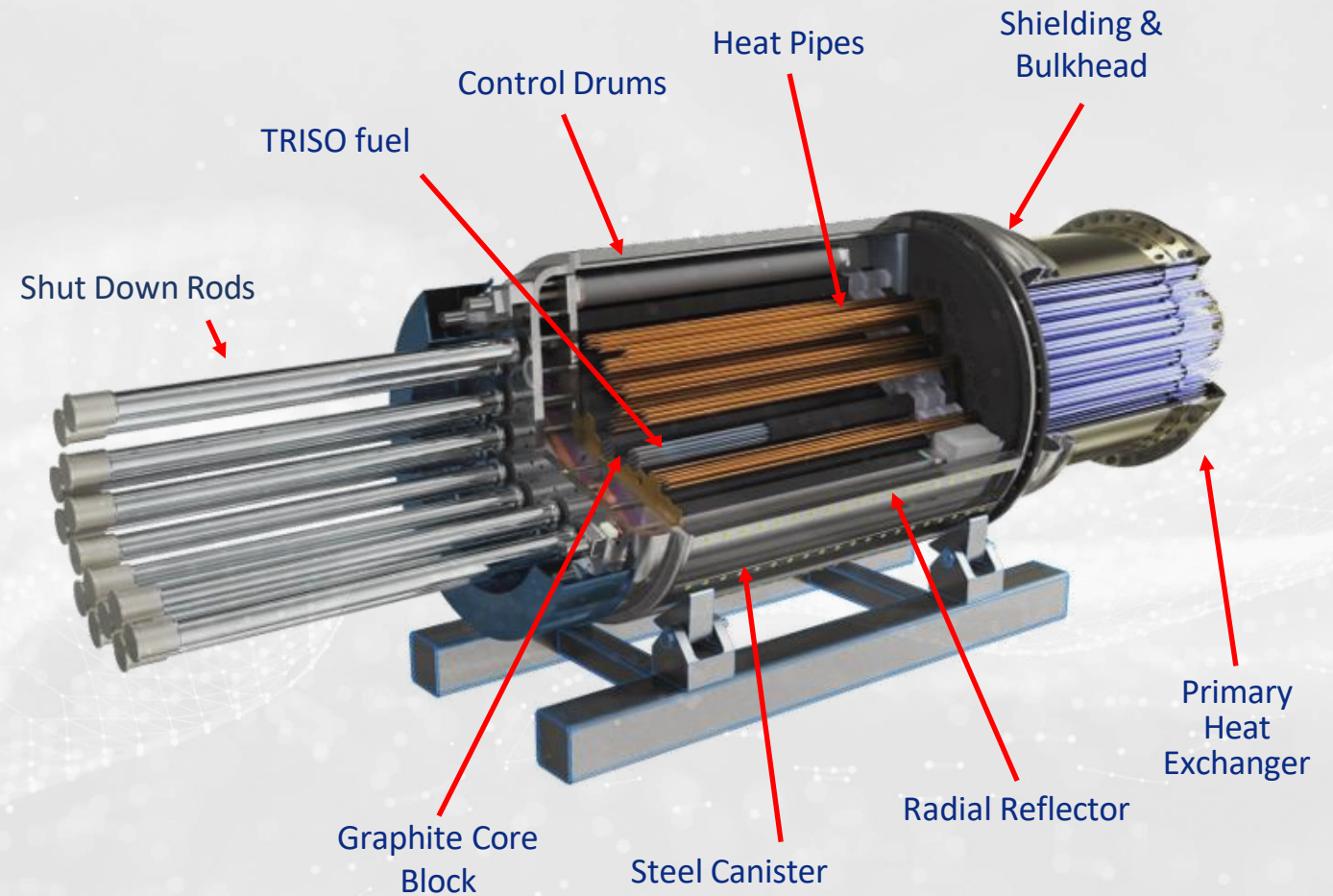


Nuclear battery designed for safe and reliable electricity and heat generation

Technical Capabilities

- 5 MWe + ~8MWth @ 150C cogeneration
- Minimum 8 year refueling cycle
- High speed load-following capability
- Transportable for ease of installation
- Elimination of spent fuel storage on site
- Minimal onsite personnel
- Mature technology, manufacturing, and regulatory readiness

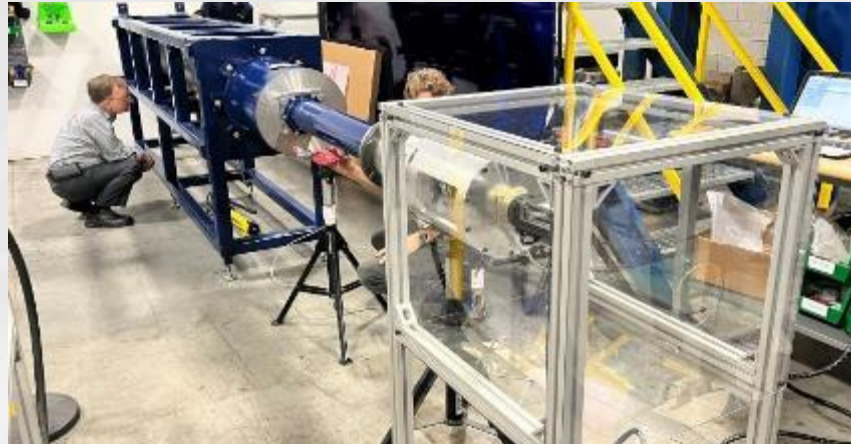
**Just 1 eVinci Microreactor Reduces
Up To 55,000 Tons of CO2 Per Year**



eVinci Microreactor Development and Testing of Major Components



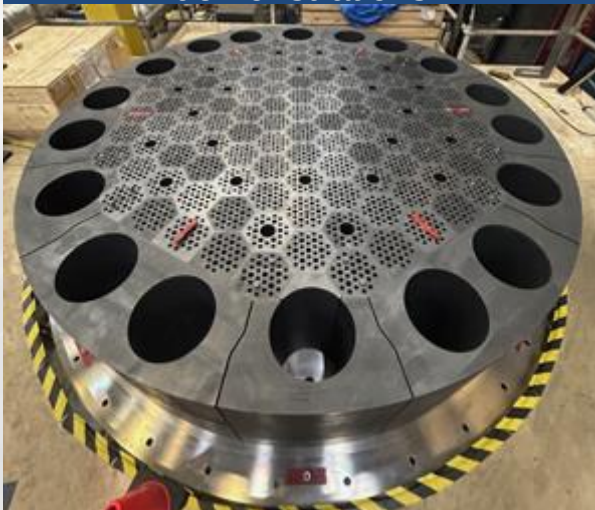
Manufacturing/Assembly demonstrations



Control drum development and testing



Fuel/Defuel demonstration and testing



Heat Pipe Electrical Demonstration Phase 2



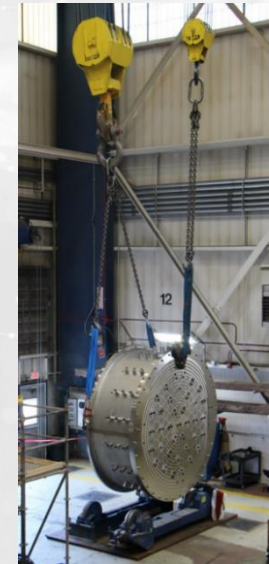
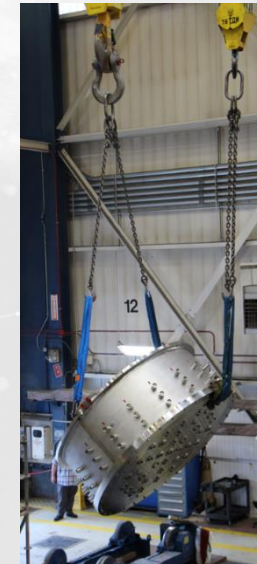
Shut down rod demonstration and testing

Manufacturing and Assembly Demonstration Milestone



Matt is 6'2" and unit behind him weighs in at more than 32,000 lbs with a diameter of more than 3 meters.

It uses the same high-grade materials that will be in every eVinci microreactor and was assembled in exactly the same way.



De-risking Through Development And Testing



Control Drums



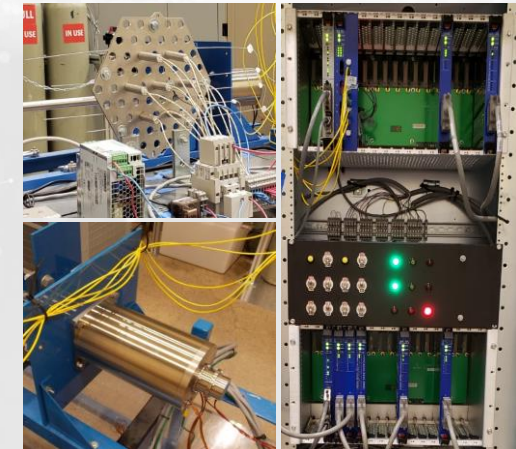
Heat Pipes Manufacturing and Testing



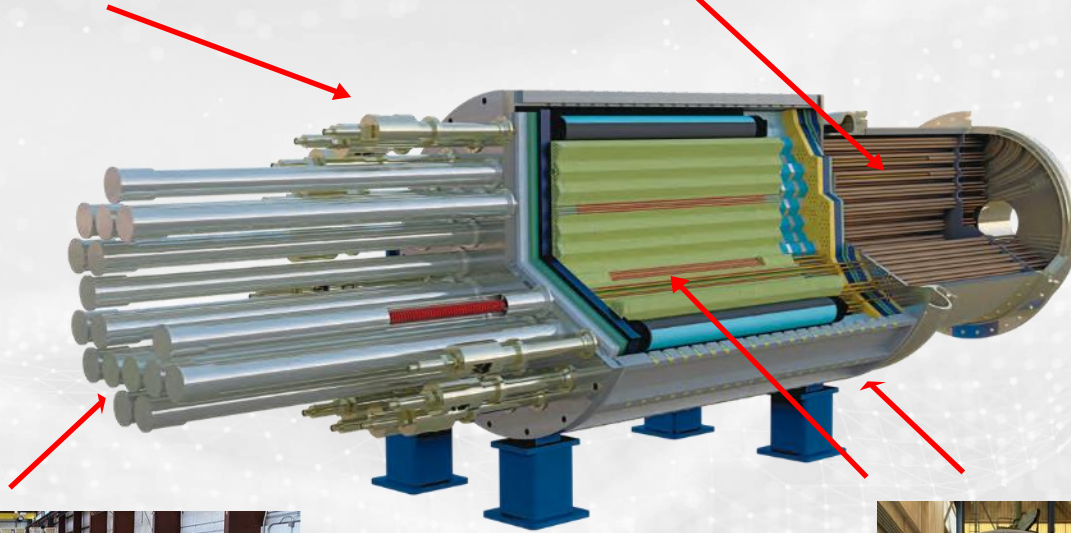
Fuel and Defuel Process and Tooling



Power Conversion System



Instrumentation and Control



+

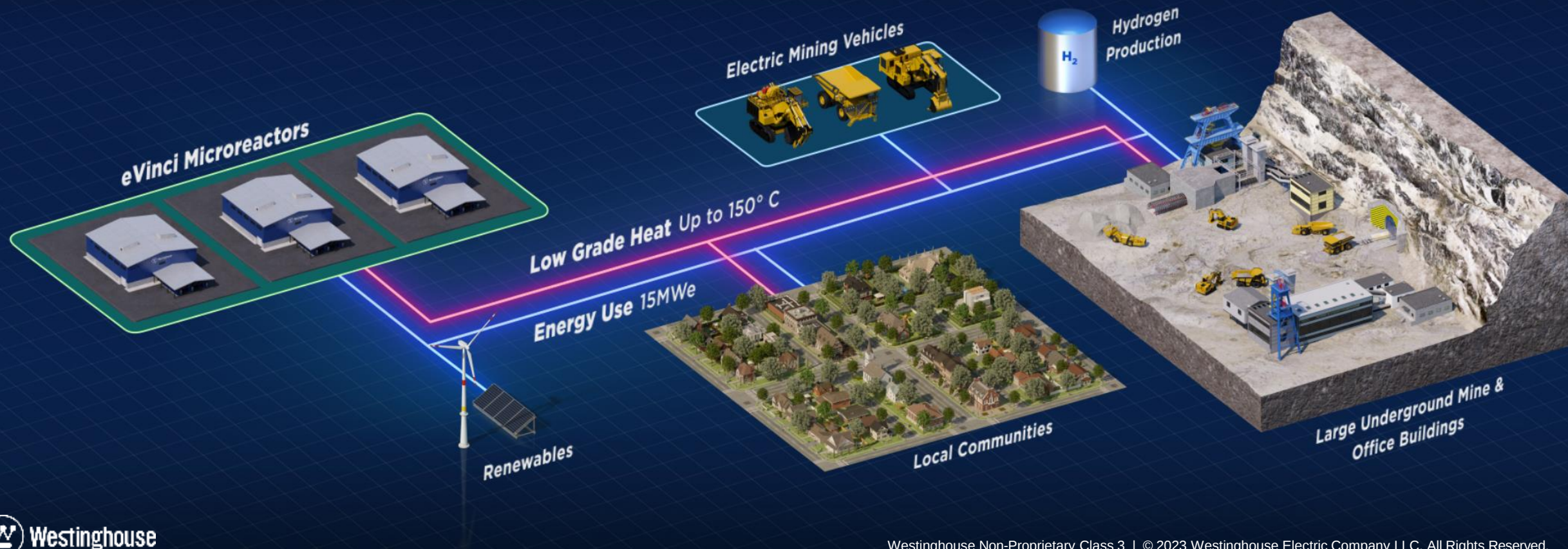


Shut Down Rods

Graphite Core Block
Shielding & Bulkhead



Mining and Industrial Applications



eVinci on Transportable Nuclear Power Plants (TNPP)



- Signed MOU with Prodigy Clean Energy in 2022
- eVinci installed onto the platform
- Transport platform to remote location (Northern Canada, Alaska, Island)
- Operate from site, can be connected through transmissions
- Remove from site



PRODIGY
CLEAN
ENERGY

eVinci Microreactor Applications



Data Centers



Critical Infrastructure



Defense



Remote Communities



Remote Industry (Oil & Gas, Mining)



Expanded Industry



Maritime



Universities & Research



Disaster Relief & Recovery



Space Missions

Starting Down Your Path to eVinci Microreactor Deployment



Commercial approach for project development and deployment begins with feasibility

Key Inputs:

- Potential Site Location(s)
- Power demand & application requirements

Typical Duration:

- 3 to 9 Months

Key Components & Outcomes

Location Optimization

Select the best reactor locations to focus on and develop a preliminary site layout. Identify opportunities for site interconnections.

Economic Analysis

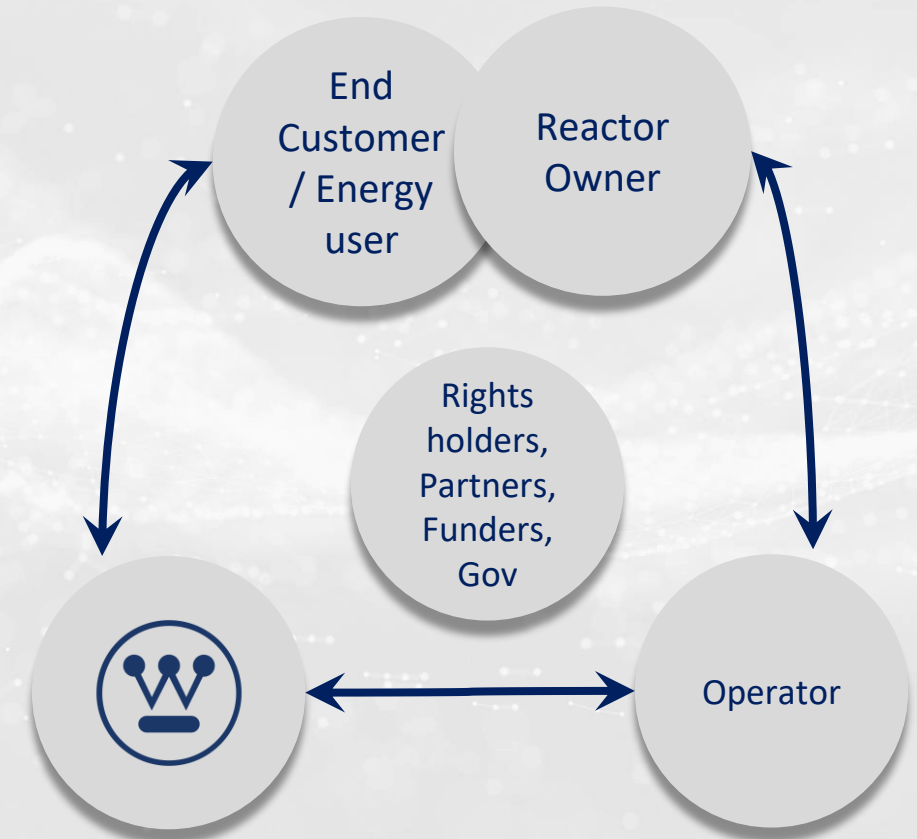
Conduct comprehensive analysis of all costs and create a detailed financial model.

Engagement Strategy

Initial development of a multi-channel communications and engagement strategy designed to educate, inform, and influence target audiences.

Project Design

Develop a high-level schedule of project milestones in preparation for project deployment.



Making clean and constant energy possible - anywhere

