

eVinci Microreactor

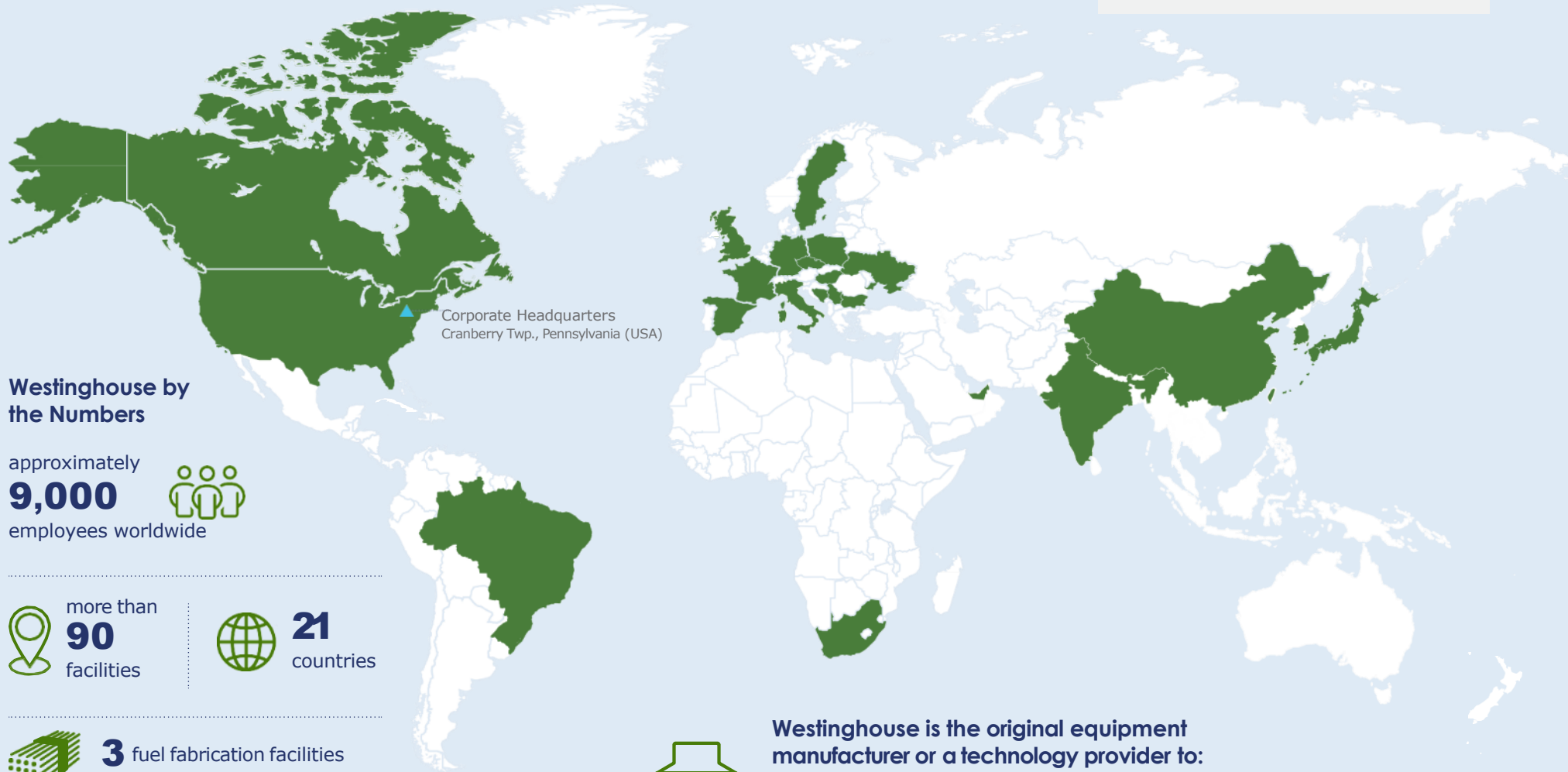
October 4, 2023



Westinghouse global presence

Legend

- ▲ Corporate Headquarters
- Countries with Westinghouse Presence



Westinghouse by the Numbers

approximately
9,000 
employees worldwide



more than
90
facilities



21
countries



3 fuel fabrication facilities



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



AP1000[®] PWR
1100+ MWe

Most advanced nuclear technology operating in the world today with record-setting performance



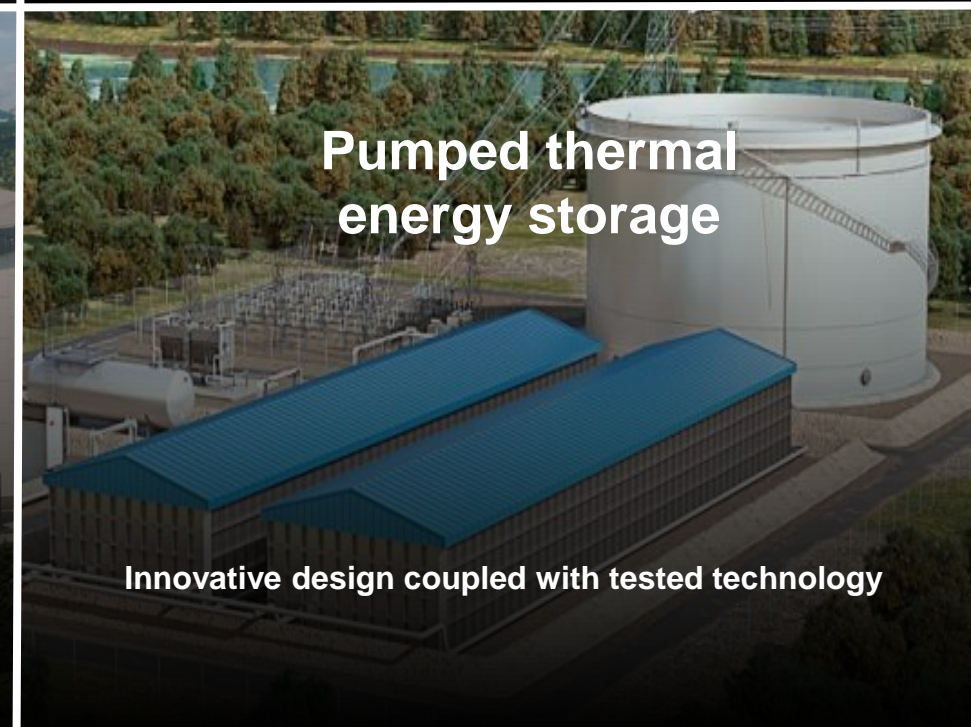
eVinci Microreactor[™]
5 MWe

Microreactor designed for safe and reliable electricity and heat generation



AP300[™]
300 MWe

Only SMR based on deployed, operating & advanced reactor technology



Pumped thermal energy storage

Innovative design coupled with tested technology

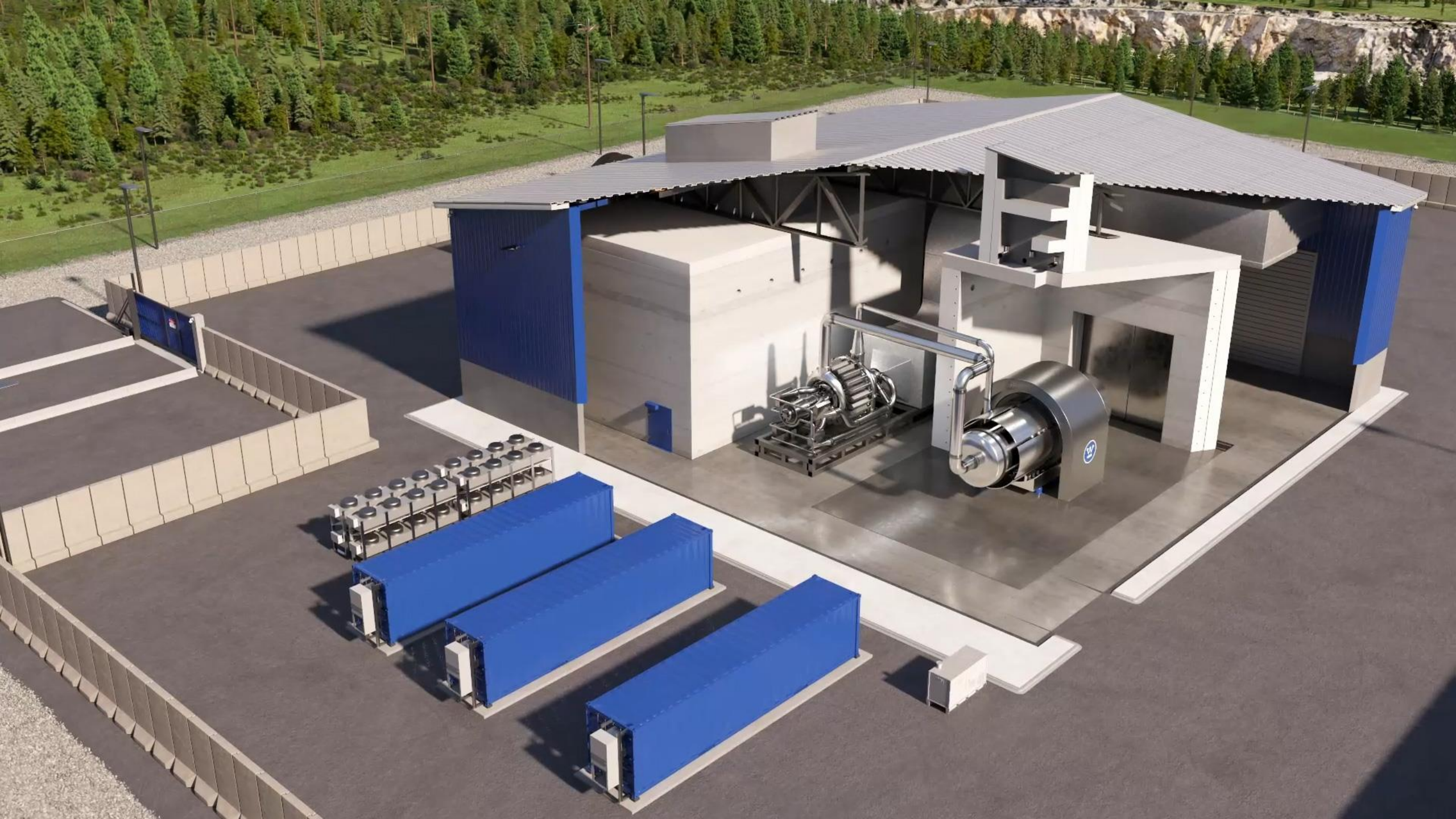
eVinci™ Microreactor – Technical Features

Most advanced and adaptable technology for meeting energy needs

Technical Features

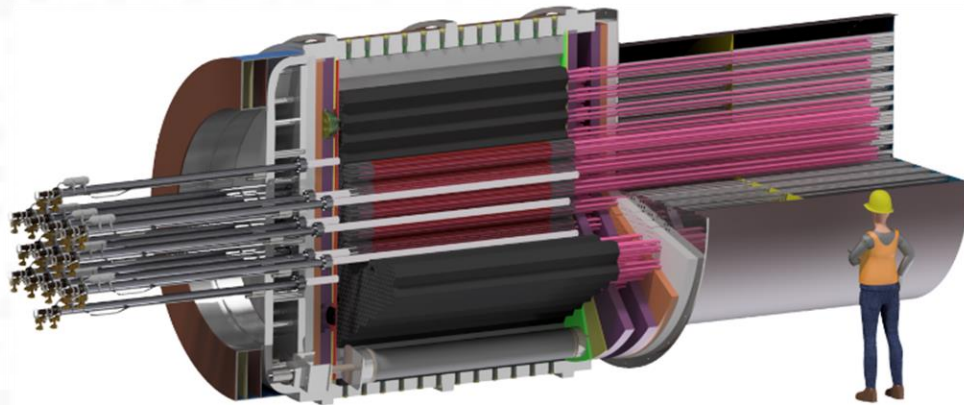
- **5 MWe with ~6MWth @ 150° C usable heat**
- 13MWth @ >800° C heat only
- **8+ years of operation without refueling**
- Elimination of long-term spent fuel at customer site
- Transportable for ease of installation
- Commercial deployment before end of decade



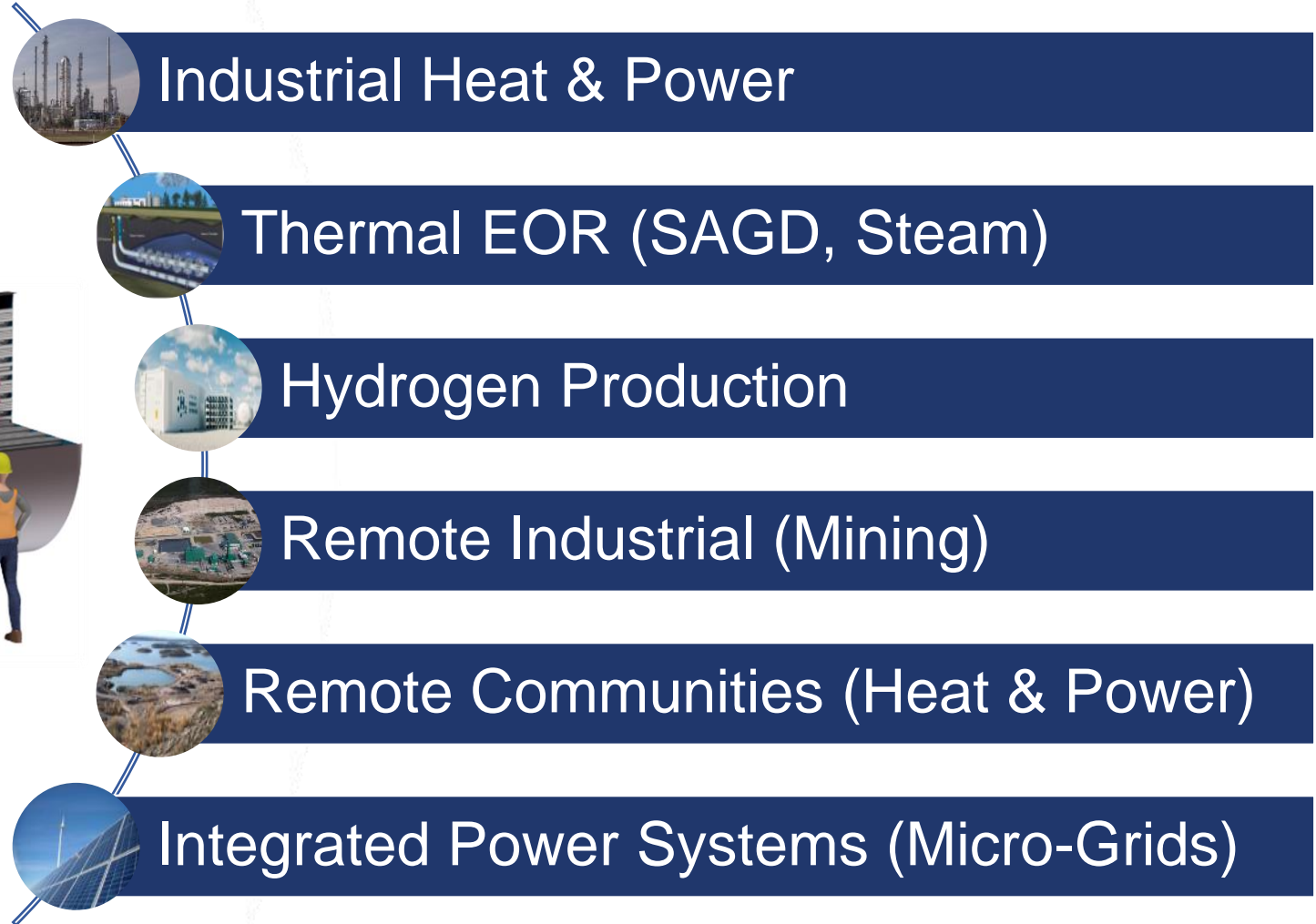


eVinci Microreactor

Distributed energy wherever it's needed

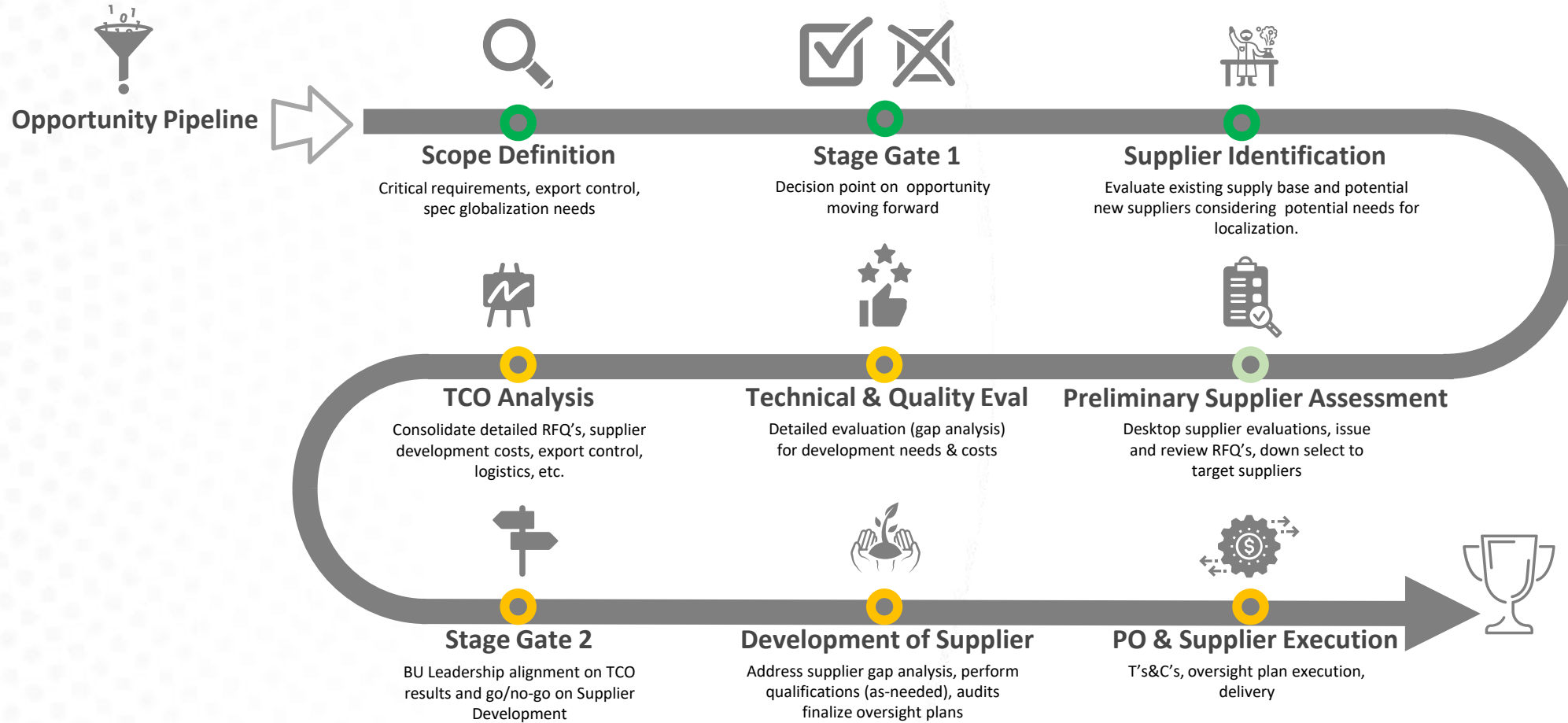


Power & Heat via eVinci™ Microreactor





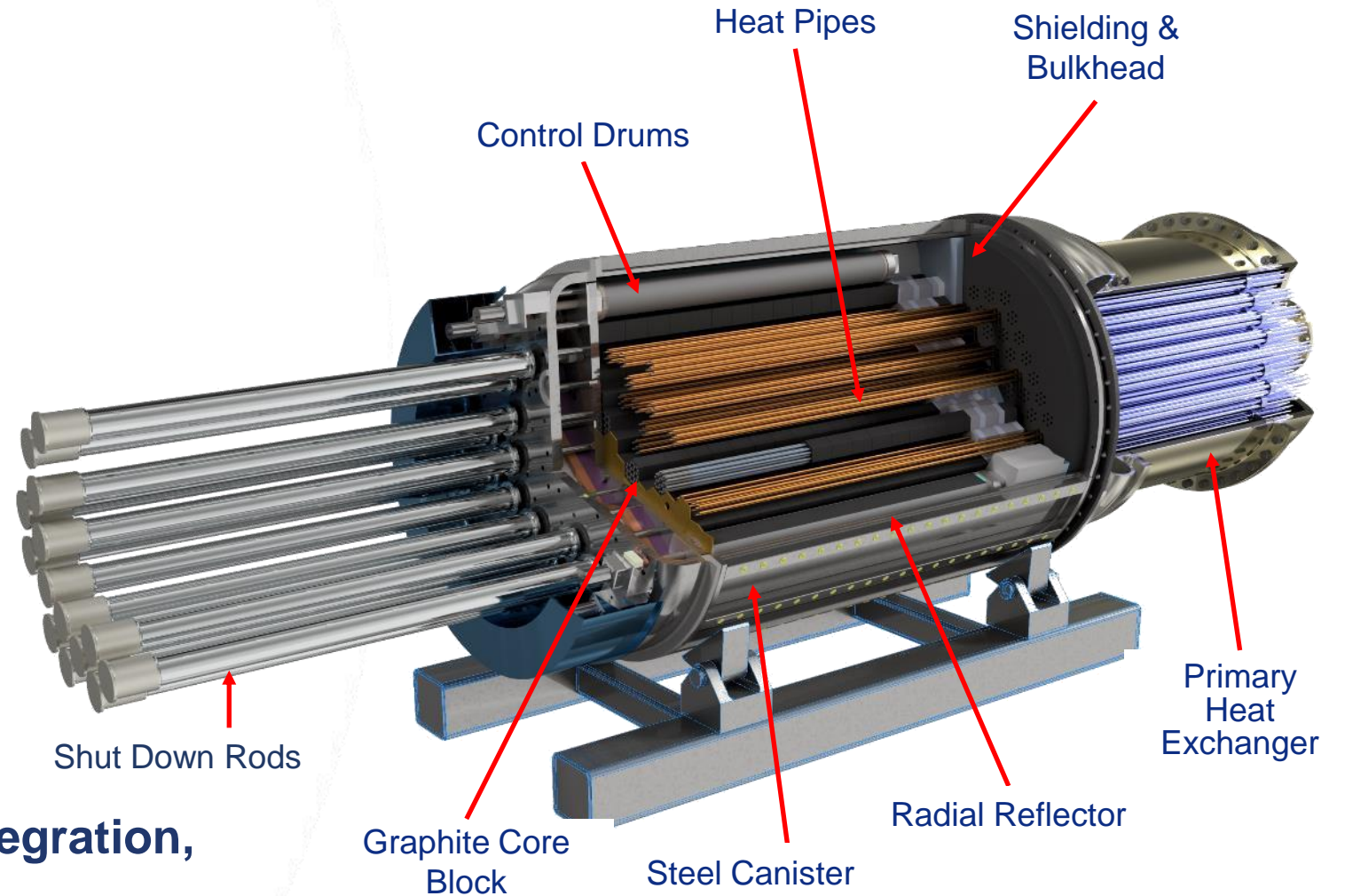
Focusing on Quality and Flawless Execution





eVinci™ Procurement Strategy

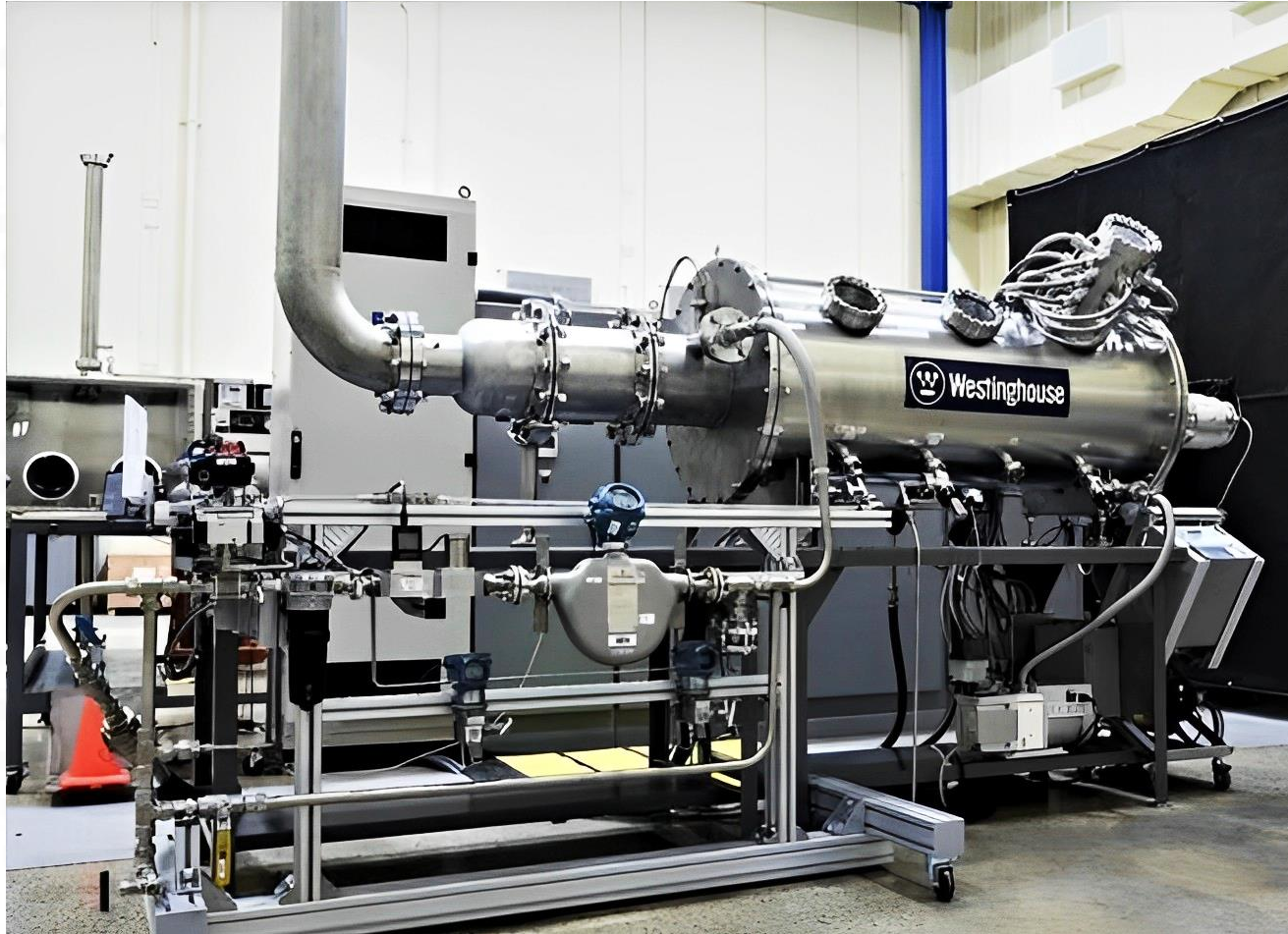
Component	Key Materials
Core Blocks & Radial Reflector	IIHP Graphite
Heat Pipes	FeCrAl Tubing, Sodium
Canister	Stainless Steel Plate
Control Drums & Shutdown Rods	C-C, Motors, B4C, Stainless Steel
Primary Heat Exchanger	High Temperature Nickel Alloy
Power Conversion System	Stainless Steel



**Material Procurement, Vertical Integration,
Factory Assembled and Tested**



Technology Components



Test Chamber



Heat Pipes

Thank you

Connect us to get started:
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