Nuclear for Advanced Industrial Applications

AP300 SMR and eVinci Microreactor

Innovative Solutions Portfolio

AP1000® PWR
1200 MWe

AP300™ SMR
330 MWe

eVinci™ Microreactor
5 MWe

Grid-Scale Long Duration Energy Storage

Our reactors can also deliver beyond electricity benefits

Datacenter Power, Hydrogen Generation and Process Heat

Desalinisation, Research Reactors and Radioisotope Production

New Plant Technology Selections

CUSTOMERS CONTINUE TO SELECT WESTINGHOUSE

AP1000 PWR

- China has **4 AP1000** reactors **in operation** & **12 units under construction**
- Poland contracts for **3 AP1000 reactors**
- Bulgaria contracts for **2 AP1000 reactors**
- **2 operating AP1000s,** 1st new in USA in 30 yrs
- Ukraine contracts for **9 AP1000 reactors**
- India selects **6 AP1000 reactors**

AP300 SMR

- **Community Nuclear Power** selection of **4 AP300 SMRs**
- **Data4** data center developer MOU to explore **AP300 SMRs across Europe**

eVinci Microreactor

- **SRC** selection - **eVinci microreactor** demonstration plant
- **Penn State University** – letter of intent to NRC for **eVinci research reactor**

Long Duration Energy Storage

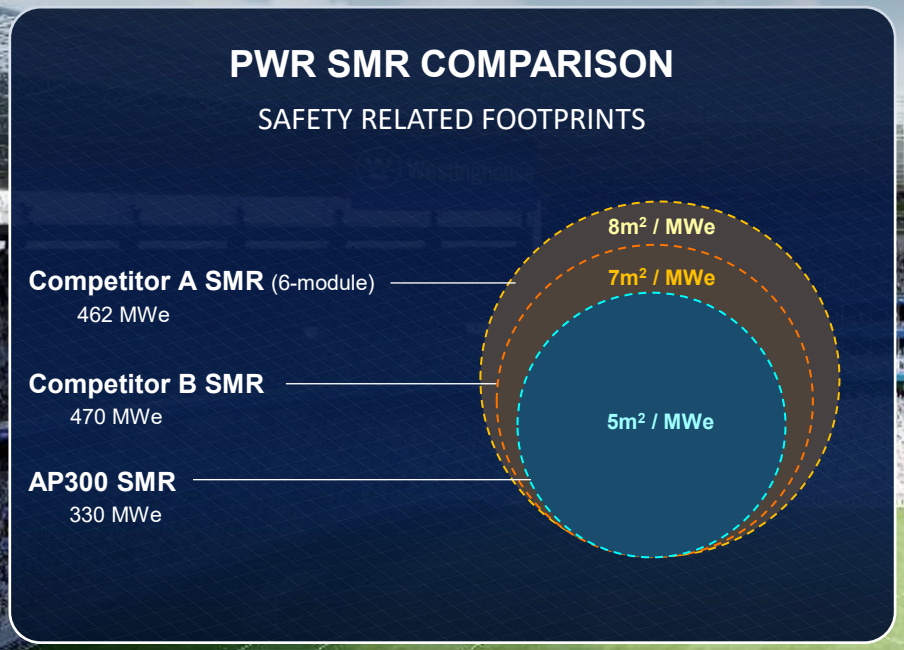
- US DOE selection – Alaska grid-scale **LDES** project - **50 MW & 1.2 GWh**

Ultra Compact Footprint

AP300 SMR's smaller safety related footprint reduces construction, operating & maintenance costs and risks

PWR SMR COMPARISON

SAFETY RELATED FOOTPRINTS



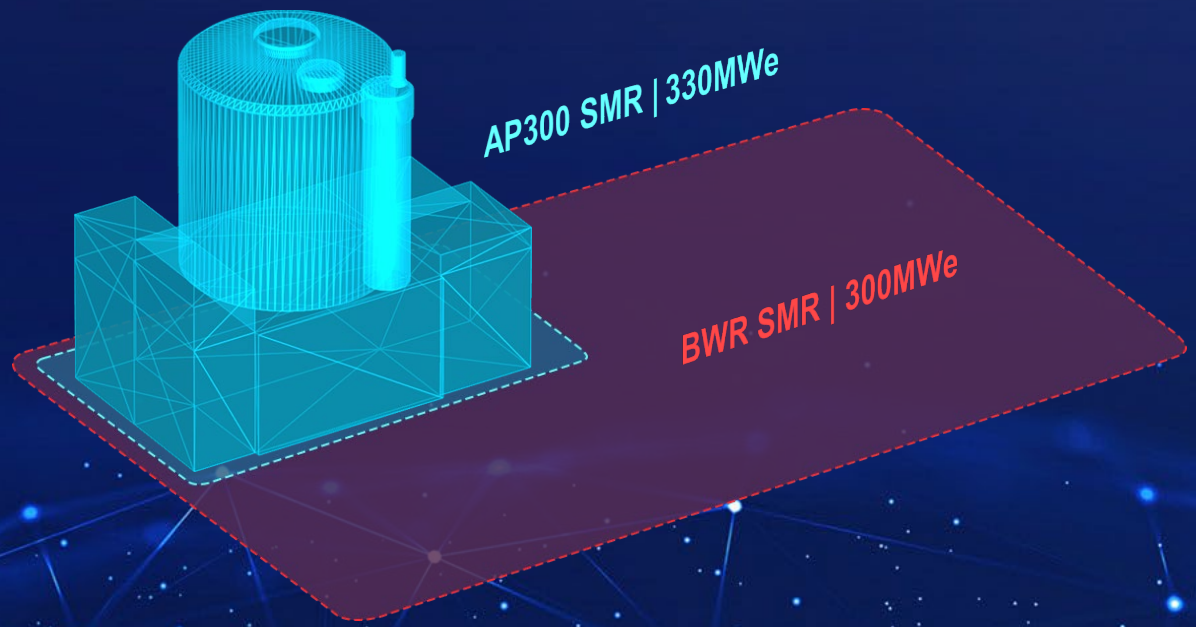
PWR Advantage

Westinghouse PWR technology is the basis for nearly one-half of the world's operating nuclear plants

Key Factors	AP300 PWR	BWR Technology
Robust Containment	**Protected by a robust containment** designed to withstand extreme external hazards.	**Equipment** used to **manage** highly **radioactive material located outside containment**
Occupational Radiological Exposure	**Minimizes** potentially contaminated components & radiologically controlled areas.	**Historically workers have received twice** the **dose** due to increased **contaminated equipment** & a larger radiologically controlled area
Application Versatility	AP300 SMR **produces non-contaminated & non-radioactive steam** without the need for additional equipment	**Requires additional equipment** to support district heating & other process heat applications

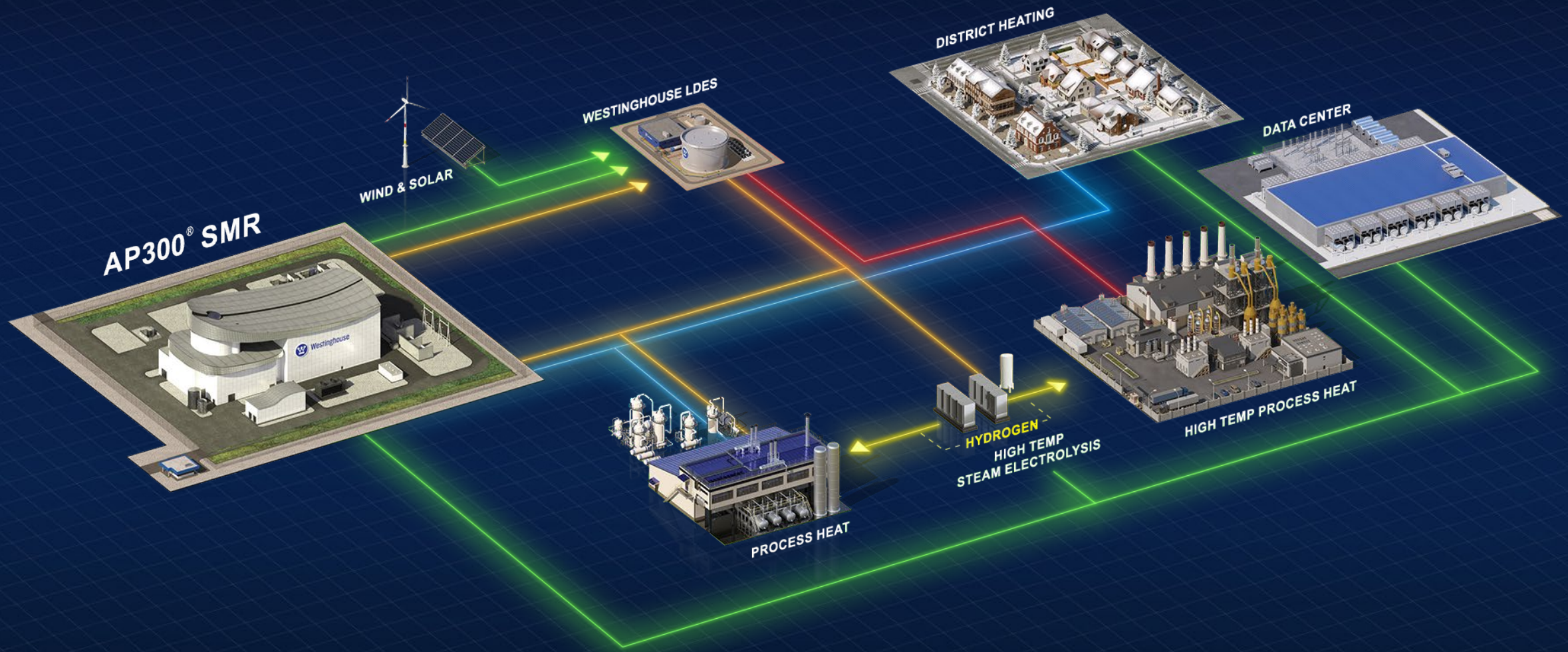
Occupational Exposures per OECD/NEA Occupational Exposures at Nuclear Power Plants (Twenty-Seventh Annual Report of the ISOE Programme, 2017)

AP300 Radiological Controlled footprint is ~3X smaller than competing BWR



Versatility of Application

AP300 SMR is the backbone of a community clean energy system



Baseload Power for Data Centers

New applications for nuclear power increasing outside large utility and state-owned generating plants

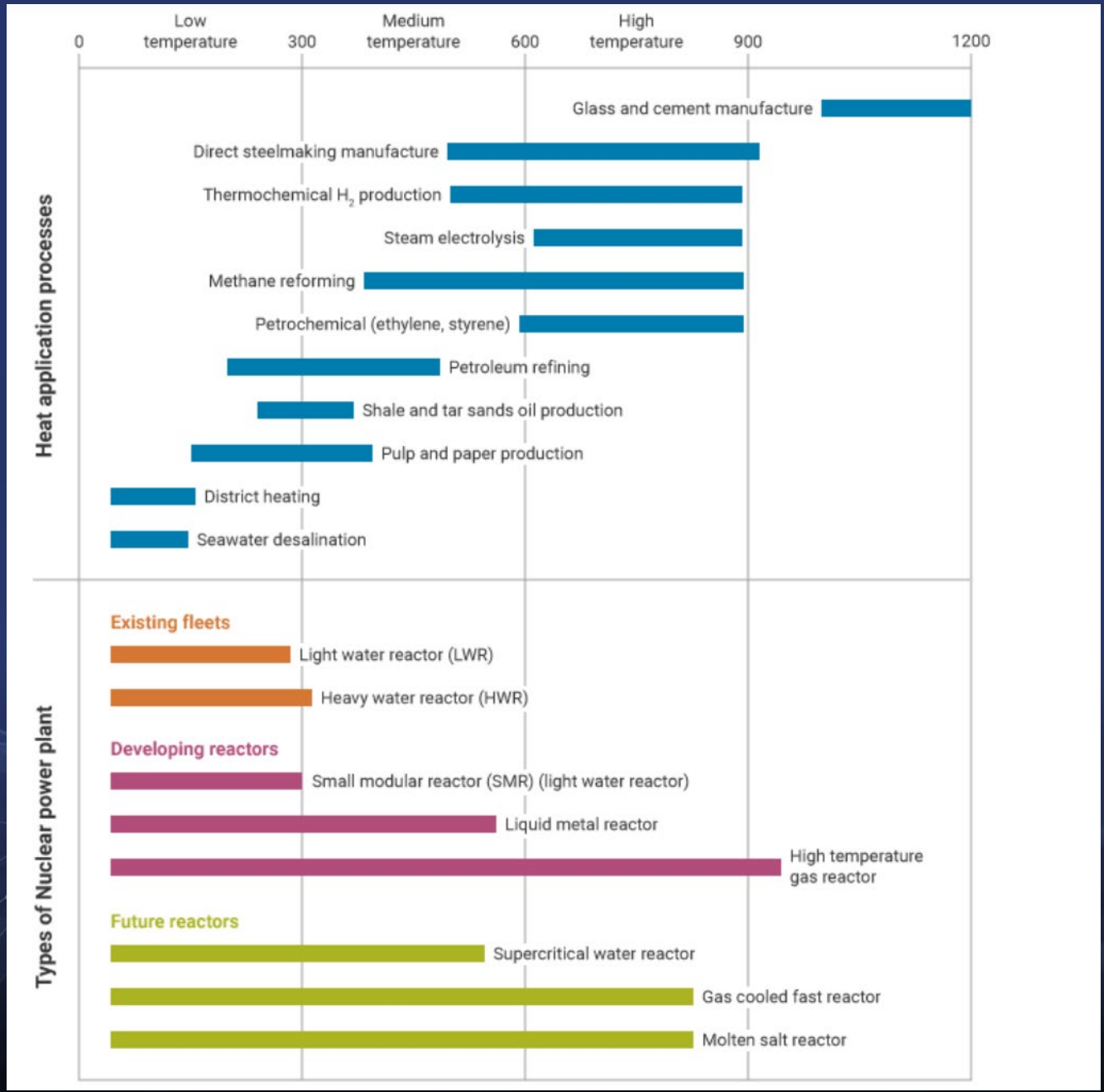
High power use industries, remote communities, campuses and hydrogen producers are now able to consider investment in nuclear to reduce the carbon-emissions of their operations

Applications:

- Data Centers need stable 24/7 electricity, typically supplied by the power grid with backup power supplied by on-site generators and battery storage.
- 10 years ago a 30 MW data center was considered large - today, a 200 MW data center is normal
- Larger AI data centers are expected
- Computing power required for AI workloads is the driving force behind increased energy consumption
- Nuclear power options can deliver steady, dependable, emissions-free base load, covering data centers power needs and decarbonization goals

Nuclear Power for Industrial Processes

Temperature ranges of heat application processes and types of nuclear power plant

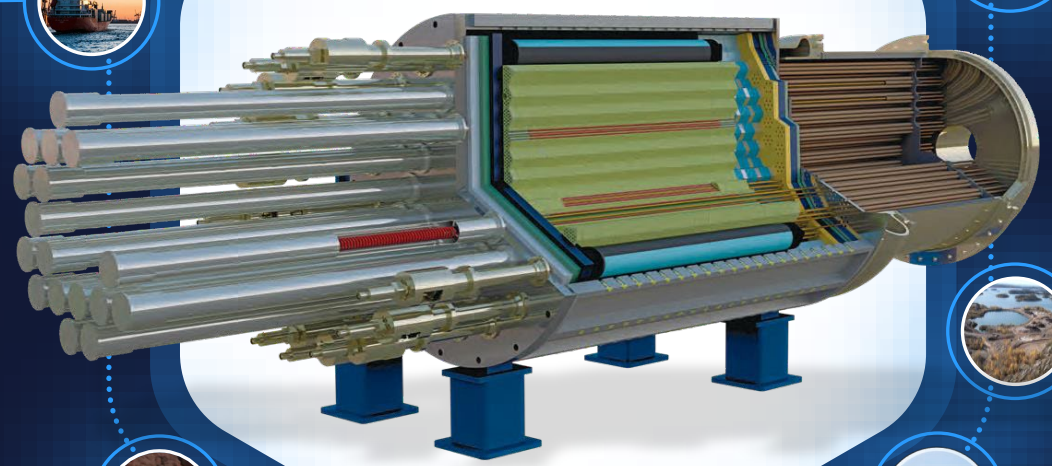


Westinghouse

eVinci Microreactor

Nuclear battery designed for safe and reliable electricity and heat generation

Microreactor Applications



- Data Centers
- Critical Infrastructure
- Remote Industry (Oil & Gas, Mining)
- Remote Communities
- Defense
- Expanded Industry
- Space Missions
- Disaster Relief & Recovery
- Maritime
- Universities & Research

Thank You

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Oscar Prat

Senior Project Director - Bulgaria