



Darlington New Nuclear Project (DNNP)

BWRX-300 Construction Update



AECON

Greg Thede

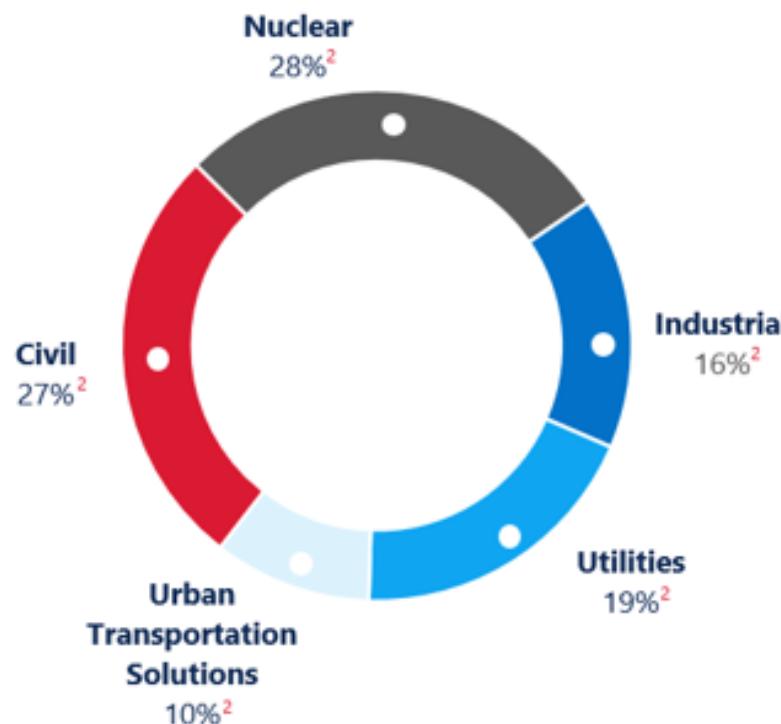
VP Nuclear Strategy, Business Development & Services

Fermi Energia 7th Annual Conference

February 11, 2026

Aecon At-a-Glance

Aecon is a North American construction and infrastructure development company providing integrated turnkey solutions to private and public sector clients.



150+ YEARS OF HISTORY

\$5.2B

TOTAL REVENUE Q3 2025 TTM

RECORD REVENUE



\$10.8B

Q3 2025

RECORD BACKLOG

10,000+ EMPLOYEES



Aecon Presence

Sites & Offices

Canada

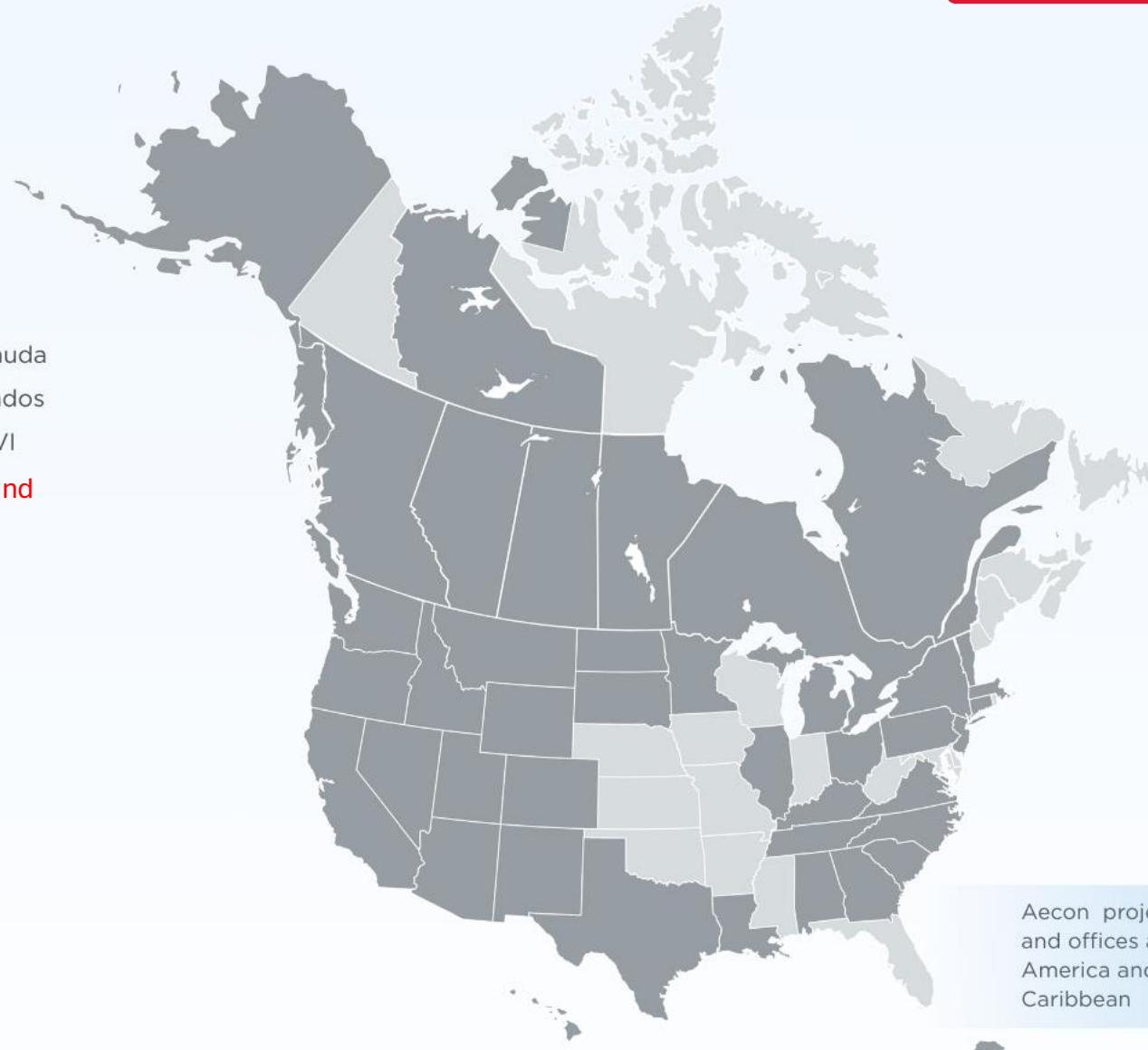
- Abbotsford, BC
- Brantford, ON
- Calgary, AB
- Cambridge, ON
- Edmonton, AB
- Medicine Hat, AB
- Montreal, QC
- Ottawa, ON
- Saskatoon, SK
- Sherwood Park, AB
- **Toronto, ON (HQ)**
- Vancouver, BC
- Vernon, BC

U.S.

- Bloomington, MN
- Beaumont, TX
- **Charlotte, NC**
- Dallas, TX
- Denver, CO
- Georgetown, KY
- Houston, TX
- Jackson, SC
- Kendall, IL
- LaPorte, TX
- Milford, MA
- Mt Laurel, NJ
- Phoenix, AZ
- Port Huron, MI
- Pueblo, CO
- Salt Lake City, UT
- Seattle, WA

International

- Hamilton, Bermuda
- St. Peter, Barbados
- St. Thomas USVI
- **Warsaw, Poland**



Aecon projects, sites and offices across North America and the Caribbean

NUCLEAR



Leading the Way in Nuclear Construction

Delivering a full spectrum of engineering, procurement, and construction services to support the new build, life extension, maintenance, decommissioning and fabrication required to power our nuclear future.

Aecon Nuclear leverages its track record as a constructor of choice, with strong self-perform capabilities and an exceptional safety culture, to provide integrated solutions for new build and major life extension programs (fleet approach).

With more than five decades of extensive nuclear experience and technical knowledge, Aecon Nuclear is at the forefront and enabling the next generation of nuclear infrastructure, ensuring clean, reliable, and affordable electricity for decades to come.



Major Life Extension Programs



Large Reactor & SMR New Build



Nuclear Fabrication & Modules



US Federal Government Programs



Maintenance Work in Operating Facilities



Engineering



New Nuclear Build Program

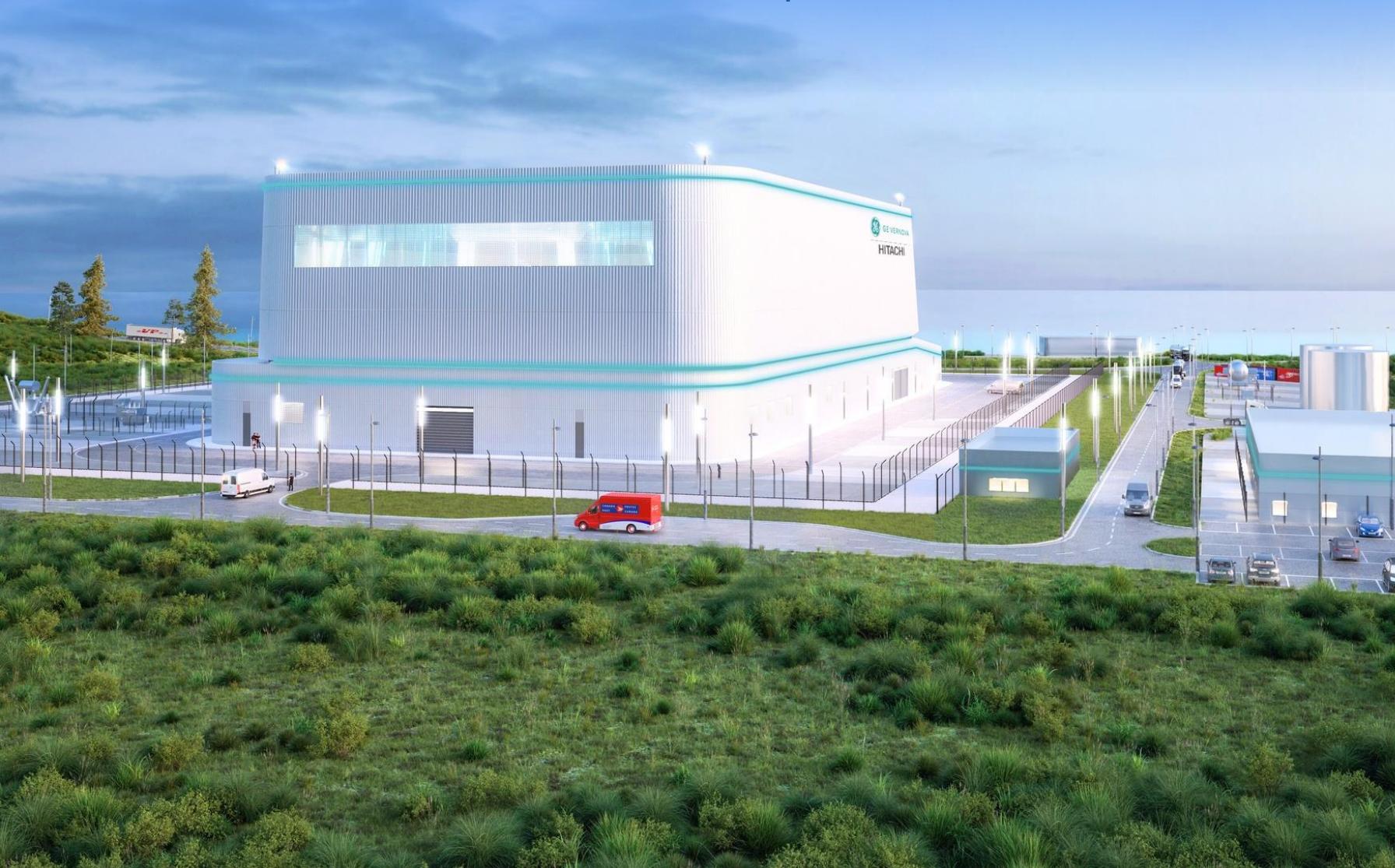
EPC Project Delivery Experience - Technology Agnostic

For more than 50 years, Aecon has led in commercial operations, life extension projects, and the re-construction of large reactor technologies, while also playing a key role in advancing the emerging next generation of Small Modular Reactors (SMRs). Our people-focused, client-first approach, together with fleet program optimization, ensures the credibility and confidence needed to effectively integrate, plan, and deliver projects safely, with quality, on time and within budget.



New Nuclear Build: BWRX-300

First Grid-Scale SMR in the G7 Nations | First Of A Kind (FOAK)



ONTARIO POWER
GENERATION

Owner/Developer & license holder:
maintaining overall project responsibility,
including operations, commissioning,
Indigenous engagement, stakeholder
outreach and oversight as developer

HITACHI

**Reactor technology developer &
design authority:** delivering a 300-megawatt BWRX-300, responsible for
design, procurement of major NSSS
components, engineering, and support

AtkinsRéalis

Architect/Engineer: providing design,
engineering, and procurement support

AECOM

Constructor: including all fabrication &
modules, including project management,
procurement, Quality Assurance
construction planning & execution

A photograph showing two construction workers in high-visibility safety vests and hard hats working on a large, dome-shaped structure made of rebar and concrete. One worker is using a power tool to cut through the rebar. Other workers and construction equipment are visible in the background. The image is set against a green background with the OPG logo.

OPG

**Building the G7's first
Small Modular Reactor**





BWRX-300 Darlington New Nuclear Site

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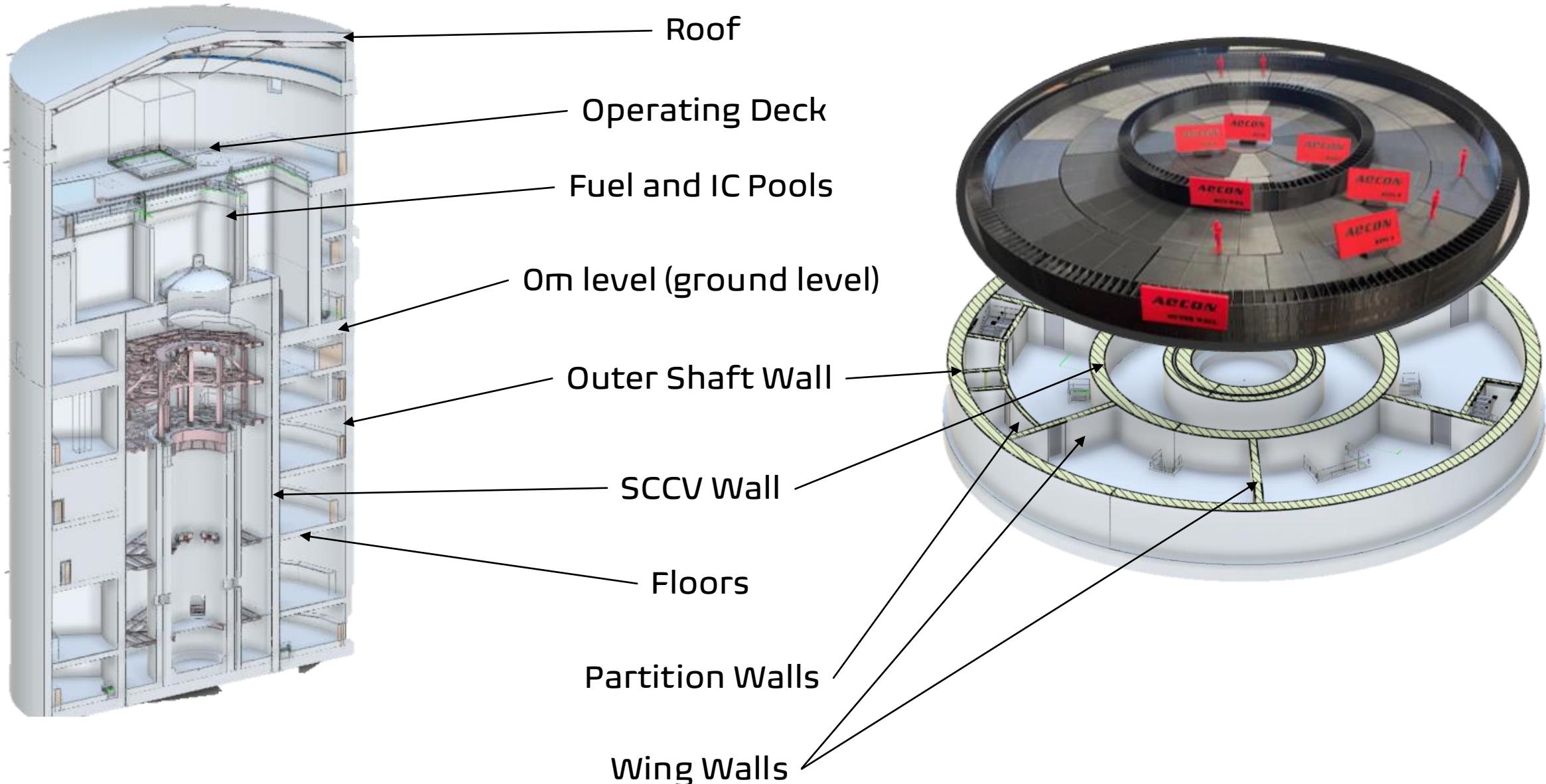
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BWRX-300 Reactor Building

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Configuration



BWRX-300: Process Flow

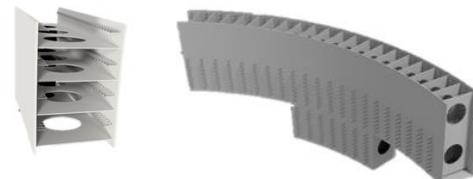
3 STANDARD OPERATIONS

OFF SITE ACTIVITIES

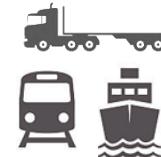


1

FABRICATION
SUB-ASSEMBLY



TRANSPORT (OPTIONS):

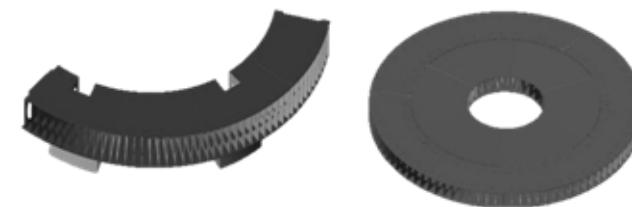


ON SITE ACTIVITIES



2

FABRICATION &
MODULARIZATION



PIT SIDE CONSTRUCTION

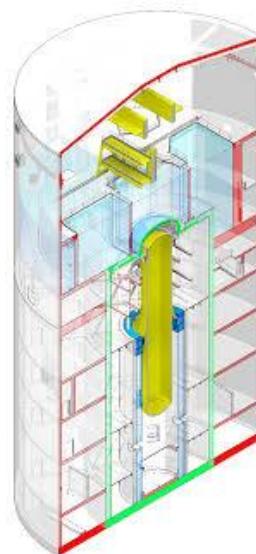


3

REACTOR BUILDING
CONSTRUCTION



IN PIT CONSTRUCTION



BWRX-300 Reactor Building

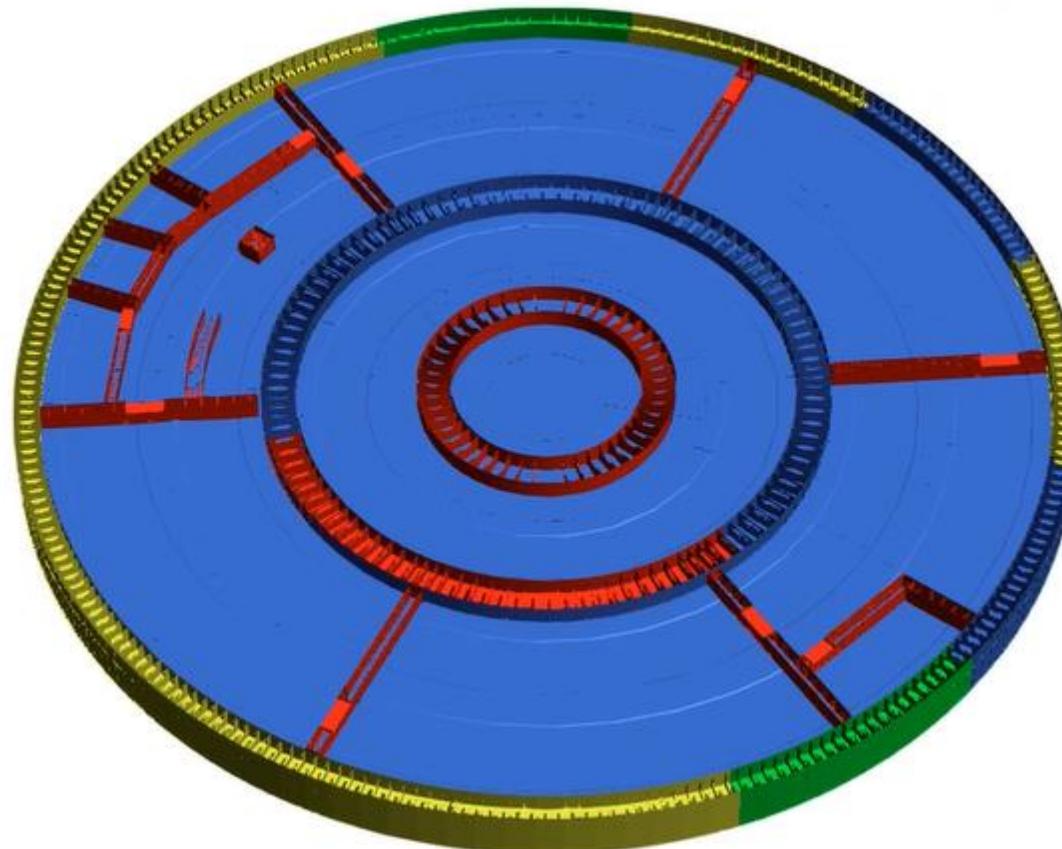
Off Site Nuclear Fabrications

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BWRX-300: Basemat Progress

OFF SITE FABRICATION (SUB-ASSEMBLY)

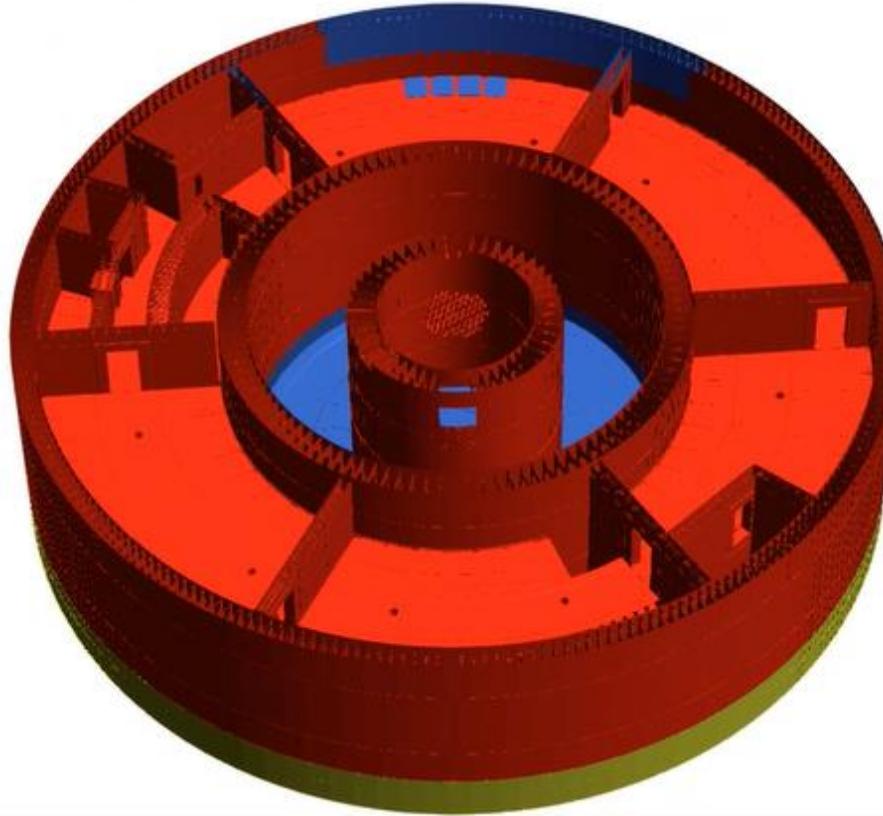


- Fabrication Not Started
- Fabrication In Process
- Fabrication Complete
- Ready for Shipment / Shipped

Ring	Percent Completion
Puck	100%
Ring D	100%
Ring C	100%
SCCV Stub	100%
Ring B	100%
Ring A	100%
OSW Stub	87.5%

BWRX-300: Level 1

OFF SITE FABRICATION (SUB-ASSEMBLY)



- █ Fabrication Not Started
- █ Fabrication In Process
- █ Fabrication Complete
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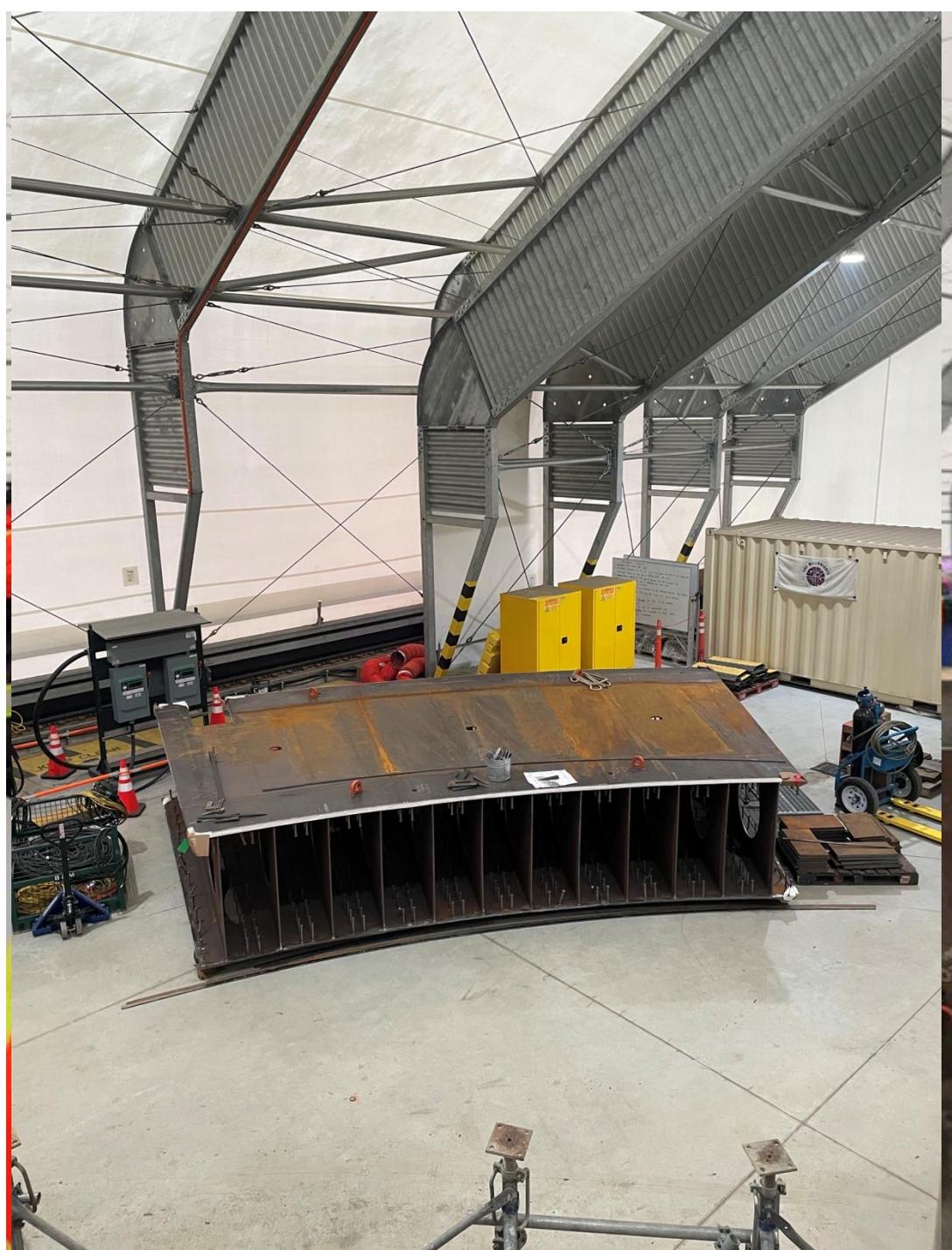
Investment in automation and advanced manufacturing Quality, Capacity / Delivery & and Cost

Confidential and Proprietary





On-Site Fabrication & Modularization Basemat Fabrication



Reactor Building Shaft

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New Nuclear Development

Phased Approach



Project Set-Up, Delivery Model & Development

- Class 5 Estimate
- Level 1/2 Schedule
- Construction Execution Strategy
- Digital Strategy & Delivery incl. 3/4D
- Construction Risk Register
- Design Constructability & Modularization Support
- Site Planning
- Local Supply Chain Assessment
- Project Controls Framework

- Commercial Strategy & Agreement / Contract Establishment
- Project Delivery Models & Roles of Parties (Owner, OEM, A/E, Constructor)

Detailed Pre-Execution Planning & Validation

- Class 4/3 Estimate
- Level 3 Schedule
- Detailed Construction Strategy
- Digital Delivery incl. 3/4/5D
- Project Management Plans
- Project Execution Risk Register
- Detailed Design Constructability & Modularization Support
- Site Specific Engineering & Planning
- Local Supply Chain Building

Execution

- Construction Execution
- Turn-Key Reactor Building Fabrication & Installation (Aecon TKS)
- Project Controls Execution Plan / Actual Monitoring (Cost, Schedule & Risk)
- Digital Delivery Incl. 4-5D Sequence
- Execution Risk Register
- Detailed / Site Specific Design Constructability & Modularization
- Supply Chain Management

Recognized Leader in Nuclear

Reactor Technology Firms



New Nuclear Development Firms



AECON will continue to deploy our people, experience and resources to invest further in nuclear EPC capacity to enable and partner in key markets enabling nuclear to thrive.

We are committed to deliver value with our clients and partners to deliver custom solutions.

partnership

**BUILDING WHAT MATTERS
TO ENABLE FUTURE
GENERATIONS TO THRIVE**



**Thank You!
Suur aitäh!**