

An aerial photograph of an industrial or military-style facility. In the foreground, a large, modern building with a grey facade and a complex, multi-gabled roof of dark grey metal panels is visible. The building has several large windows on its right side. Surrounding the building are numerous smaller structures, including many large, tan, dome-shaped tents or hangars. The ground is mostly dirt and gravel, with some sparse green vegetation. In the background, there are more industrial buildings and a large parking lot filled with vehicles. The overall scene suggests a large-scale industrial or military installation in a desert environment.

Aalo Atomics

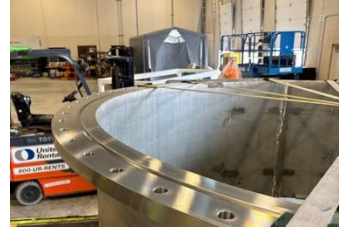
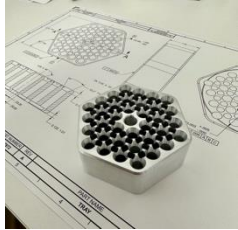
ANS Webinar: Path to Criticality

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Cofounder, President & CTO

MARCH 31, 2026

Aalo

Aalo is Making Mass-Manufactured Nuclear Reactors a Reality



NOAK Needs A Gigawatt Factory

Expand US Supply Chain

onshore critical materials and components currently manufactured internationally, thereby building a robust, domestic workforce and capability

Planned For Siting In Texas

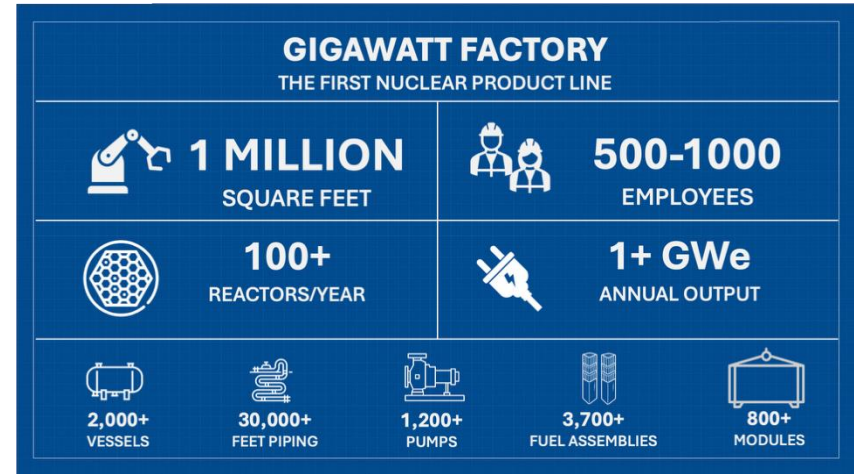
Aalo finds Texas an ideal place to build the gigawatt factory due to the available workforce from the oil and gas industry and the state's strong support for nuclear power and manufacturing.

Resilient Power

Due to the flexibility of the Aalo Pod, a Gigawatt Factory can supply 10-50 MWe-sized PPs with n+1 or n+2 redundancy, ideal for customers seeking resilient power.

U.S. Leadership

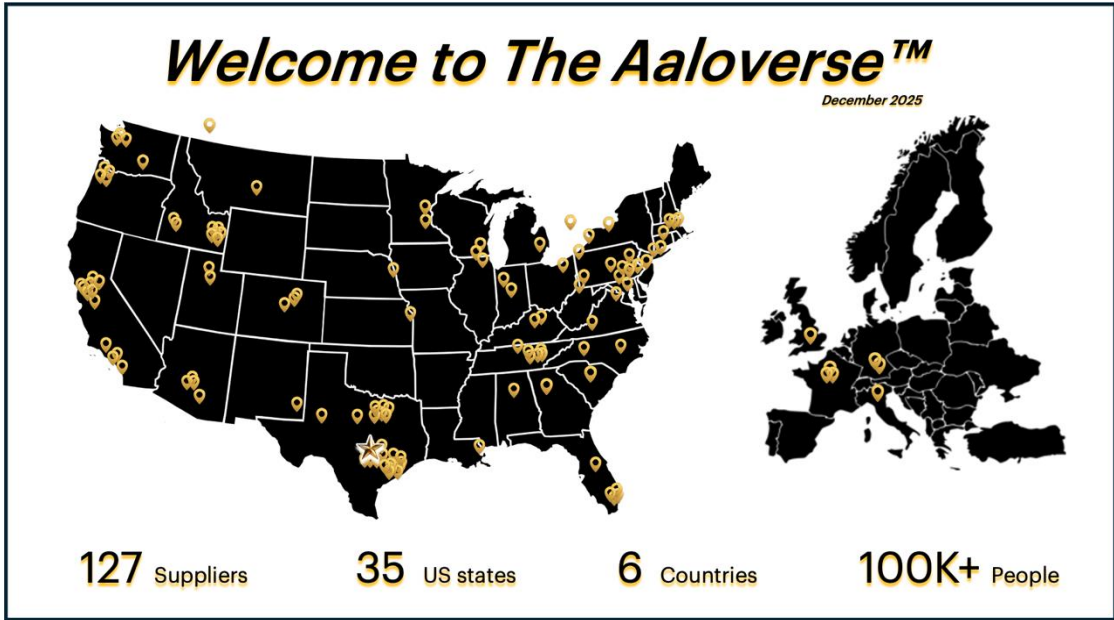
This phase will make the U.S. a leader in scalable land-based nuclear MPPs worldwide, ahead of other nations, including China. This will usher in the Second Atomic Age.



NOAK DEPLOYMENT PROVIDES AN OPPORTUNITY TO ONSHORE THE CRITICAL SUPPLY CHAIN IN THE U.S.



Supply Chain Readiness



Critical Materials

Aalo’s MPP utilizes SS316 for the majority of the sodium-wetted equipment, carbon steel, and concrete for structural, sodium for coolant, graphite for moderator, boron carbide for neutron absorbers, and UO2 fuel.

90% U.S. Sourced

90% of our critical parts are sourced from the US. For additional items that cannot be sourced in the US, Aalo plans to purchase from only DFARS approved countries

THERE IS NO “UNOBTAINIUM” IN AALO’S DESIGN. ALL HARDWARE CAN EITHER BE PROCURED COMMERCIALY OR MADE IN-HOUSE



**Aalo aims to build
1GW+ nuclear by end
of 2030**

Company Overview

Founded, 2023

- Mass-manufactured nuclear power plants.
- Purpose-built for large onsite loads such as data centers and military installations.

140 Employees

- Grew from 2 employees 2.5 years ago.
- Driven and mission-aligned team.
- Diverse backgrounds spanning nuclear, manufacturing, and finance.

\$136M+ Raised

- Seed: \$6M
- Series A: \$30M
- Series B: \$100M
- Post-Series B SAFE: unannounced

Built Pilot Factory

- Austin, TX facility opened 2025
- Welding, Machining, Metrology
- 40,000 sqft
- Current work on siting a larger 1,000,000 sqft factory, move in 2027.



Factory HQ, Austin, TX



Engineering, Idaho Falls, ID

Sodium-cooled Reactor Technology is our technology of choice for factory mass production



Technology Maturation Roadmap

TRL 6

Q1,26

100% Complete



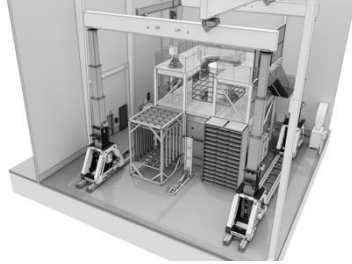
Sodium Test Loop

Component
Qualification Testing

TRL 7

Q2,26

85% Complete



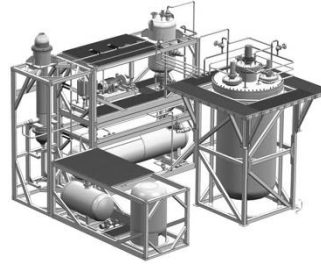
Critical Test Reactor

1st Nuclear
Prototype

TRL 7+

Q3,26

65% Complete



Aalo-0

Full-scale Non-
nuclear Prototype

TRL 8

Q1,27

20% Complete



Aalo-X

Functional Pilot

TRL 9

Q3, 28

0% Complete



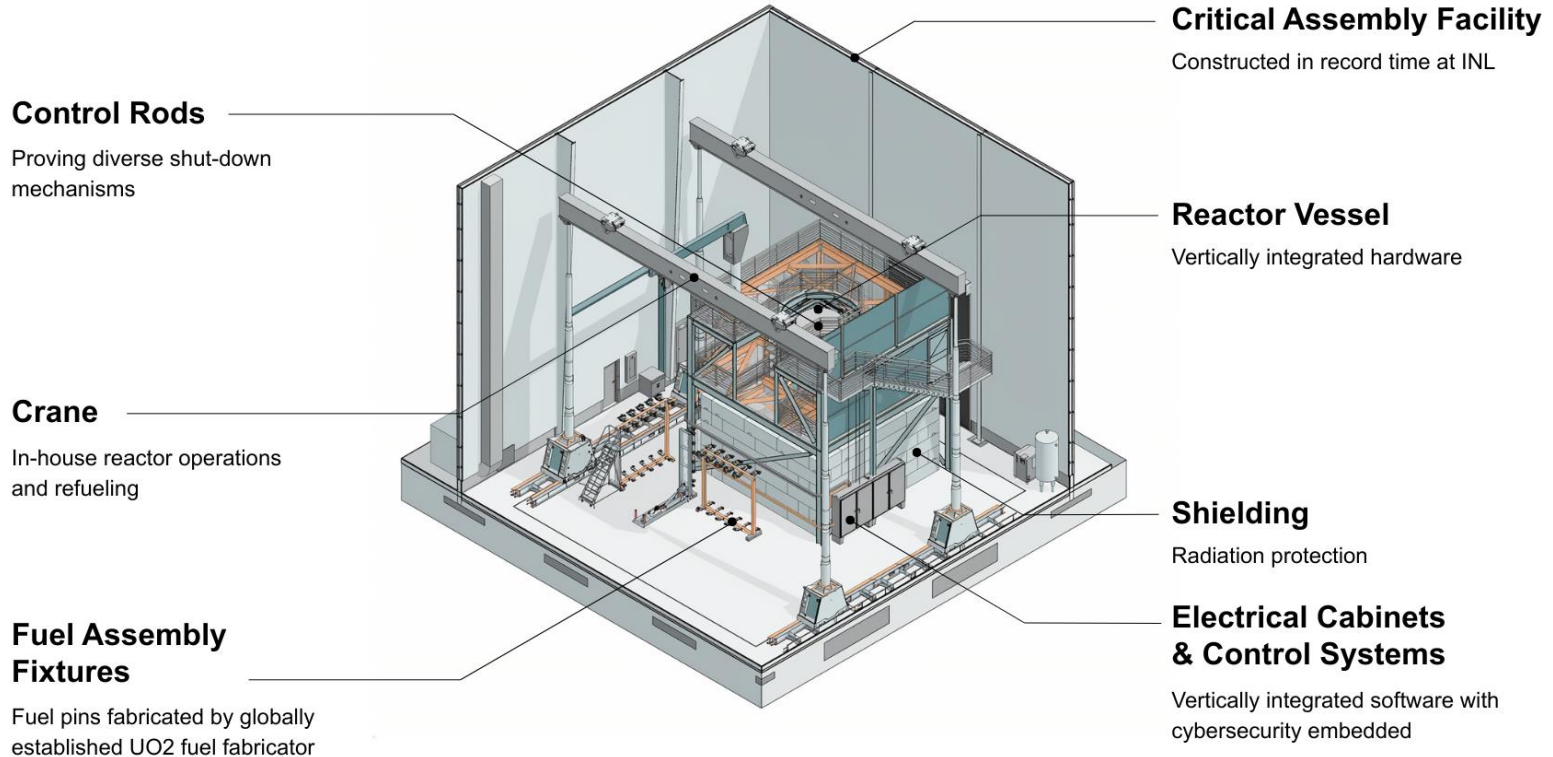
Aalo Pod

1st Commercial

By end of 2026, Aalo plans to become the U.S. experts in sodium powerplant technology

Aalo-X Critical Test Reactor

Proving Nuclear Core | Accelerating Commercial Deployment



Aalto-X CAF

Accelerating Aalto's Commercial Deployment

Control Room

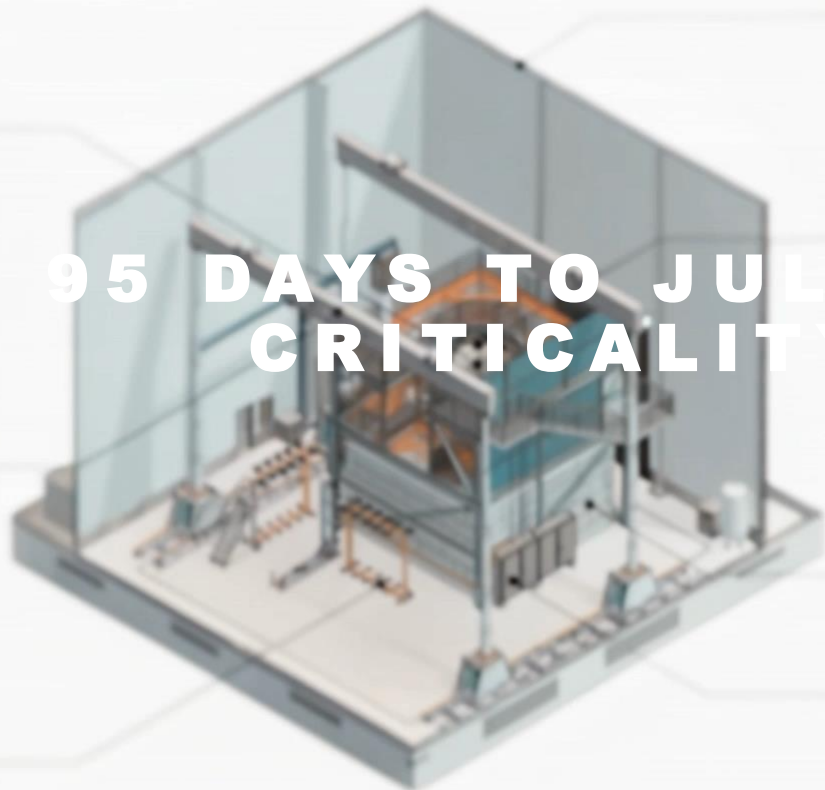
Enabling remote operation
and monitoring

Crane

Supporting in-house reactor
operations and assembly

Fuel Assembly Fixtures

Design engineering capability
with 3D printing



Critical Assembly Facility

Enabling in-house operation in the UK

Reactor Vessel

Enabling remote operation

Shielding

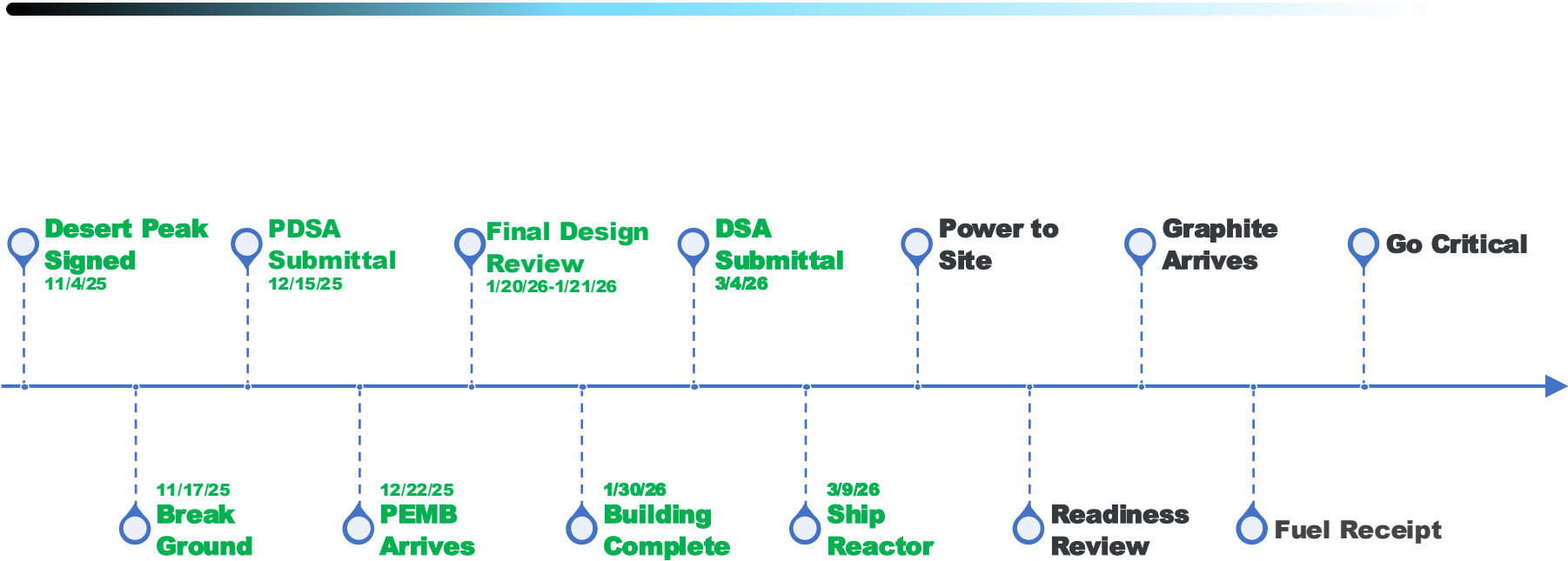
Gamma protection

Electrical Cabinets & Control Systems

Vertically integrated with in-house
software development

95 DAYS TO JULY 4TH
CRITICALITY

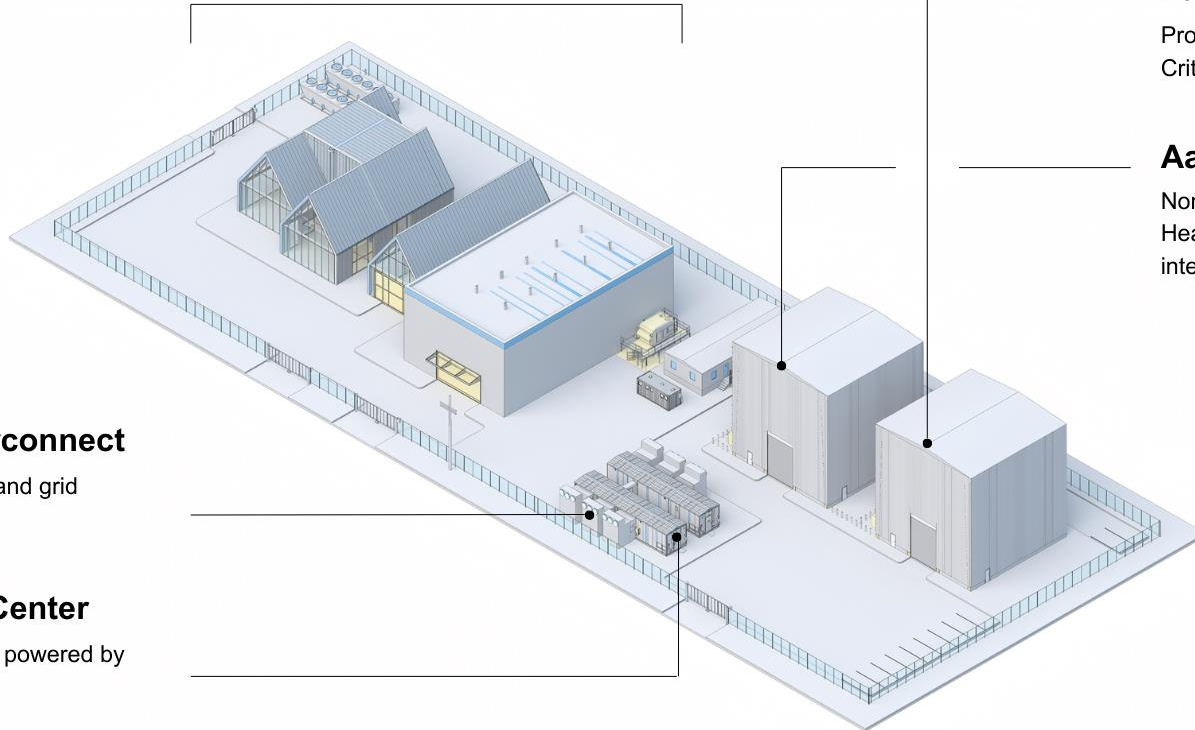
Path to Criticality



Aalo-X Campus Enabled By DOE Reactor Pilot Program

Aalo-X Full-Power Reactor & Turbine Buildings

FOAK Full Power Plant (Construction began Nov. 2025)



Critical Assembly Facility (CAF)

Proving Nuclear Core
Criticality by July 4, 2026

Aalo-0

Non-nuclear Sodium-to-Steam
Heat Exchange and data center
integration prototyping

Electrical Interconnect

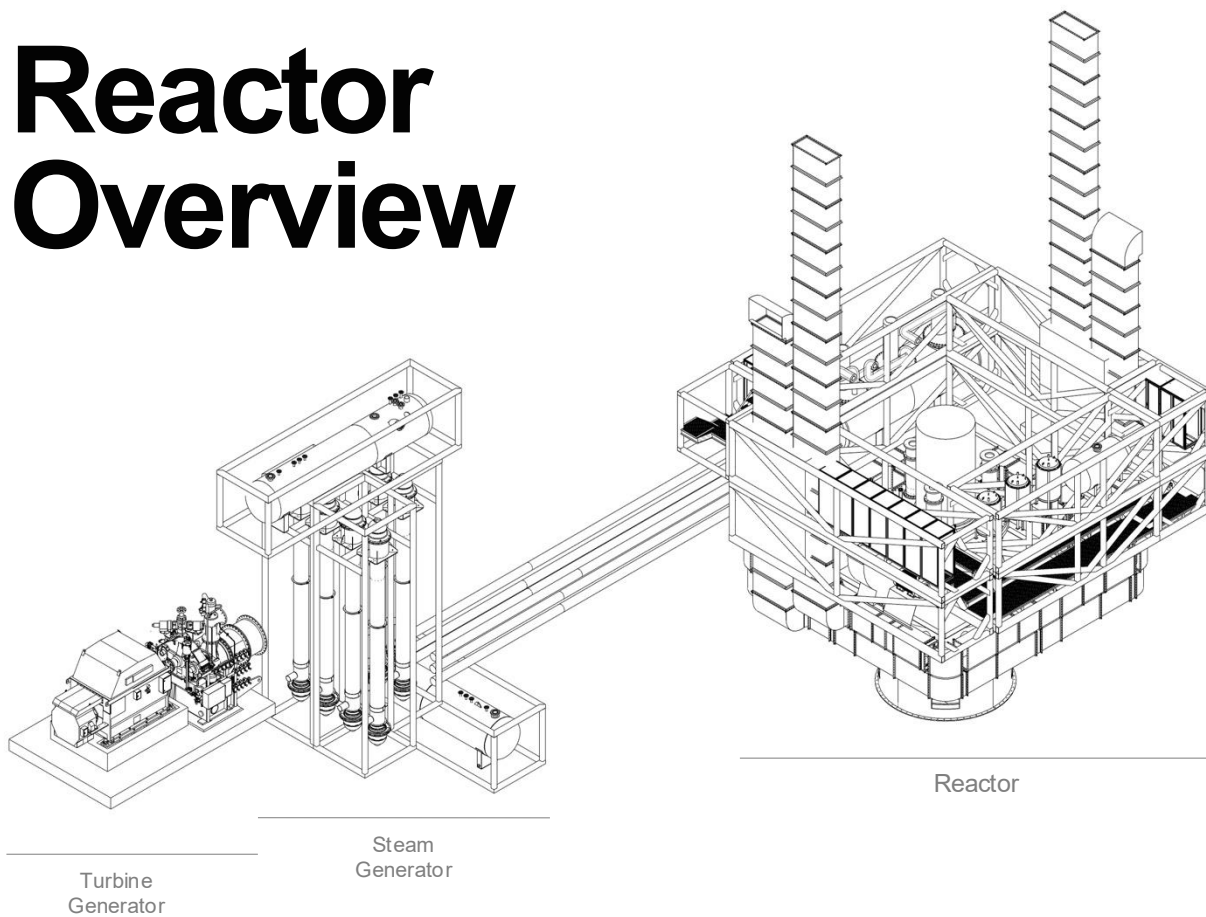
Testing switchgear and grid
connections

Mobile Data Center

Crusoe Spark MDC powered by
Aalo-0 in 2026



Reactor Overview



Sodium-cooled
Graphite Moderated
8% $^{235}\text{UO}_2$ Fueled
Passive Safety
Factory DFMA

AALO REACTOR DESIGN IS TECHNO-ECONOMICALLY OPTIMAL, WITH HIGH TRL AND MRL.

Aalo Pod

Power	50 MWe
Reactor Building Footprint	25,400 sqft
Annex Building Footprint	6,897 sqft
Generator Buildings Footprint	22,466 sqft
Ultimate Heat Rejection	Ambient Air
Site Footprint	2.5 acres
Plant Design Lifetime	40 years
# Operators Per Shift	2
Target Refueling Outage	3-4 weeks / reactor outage



Availability through Redundancy

- 5 reactors
- independant steam generators
- shared control room
- shared refueling machine

PURPOSE-BUILT FOR APPLICATIONS WHERE HIGH AVAILABILITY IS CRUCIAL E.G. DATA CENTERS AND U.S. MILITARY BASES

Thank You

Questions

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Aalo