Valar Atomics + SRERC in Emery County

Nuclear Needs Scale. The Grid Isn't Enough.

GRID - DISTRIBUTION BOTTLENECK

- Base load is saturated by only a few GW
- Difficult to build public infrastructure
- Aging grid
- Single-party ownership of distribution

GWE - SPIRALING COSTS

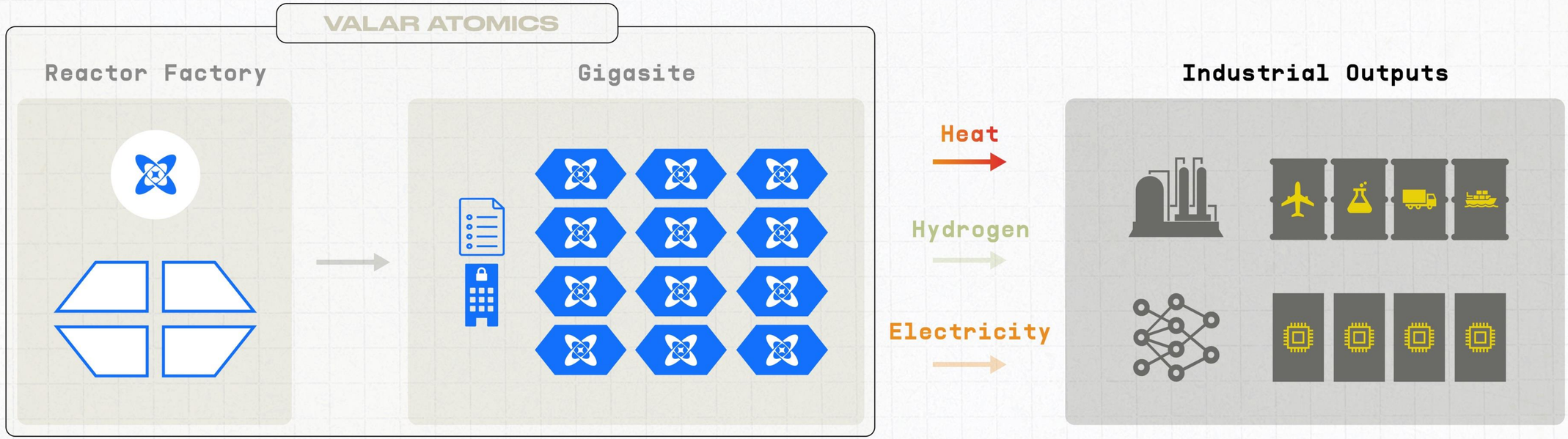
- Regulation concentrated efforts on huge gigawatt reactor designs.
- Decade+ timelines concretize dated and inefficient technology. Labor costs have risen dramatically.

SMR - REGULATORY GAUNTLET

- 80% of nuclear cost is indirect cost. Fixing the 20% reactor portion doesn't fix the main problem.
- Each new site has significant regulatory challenges

In highly regulated industries, companies win with scale.

Solution: Valar Atomics Gigasites



We mass manufacture high temperature reactors and hydrogen synthesis units in a modular, bolt-and-install fashion.

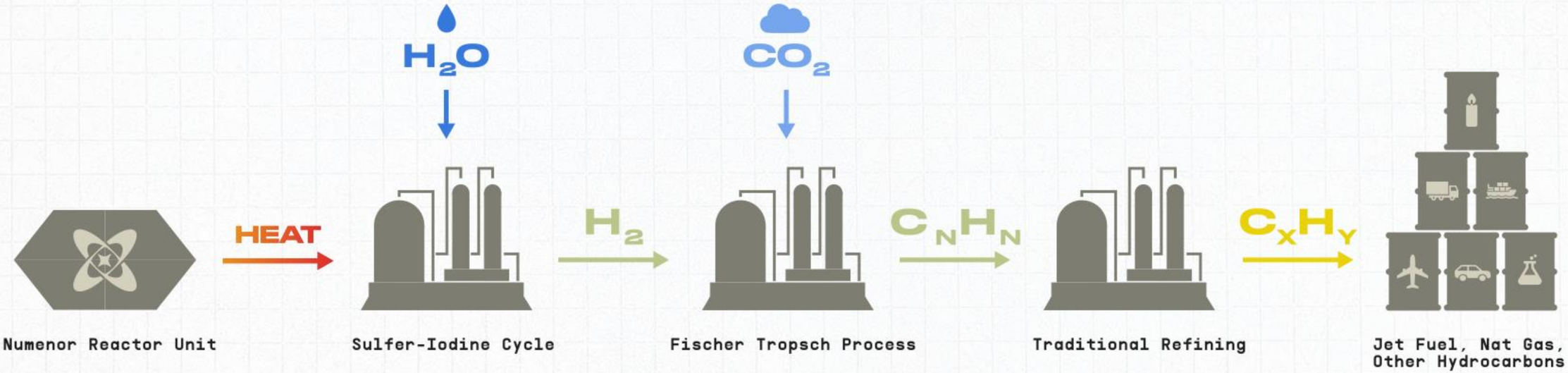
We then deploy these reactors to Gigasites, where we **share indirect costs across a 10x larger base of revenue and create economies of scale**.

Rather than relying on the bottlenecked grid to distribute energy from Gigasites, we create cheap synthetic fuels, and sell heat, hydrogen, and electricity to colocated industry.

Industrial Outputs represent $50B+ demmand per site

CO_2 → Hydrocarbons

ATOMIC PROCESS HEAT GENERATION	HYDROGEN PRODUCTION	SYNGAS PRODUCTION	SYNCRUDE PRODUCTION & REFINING	POWER-TO-LIQUID PRODUCTS



We integrate four well-understood commercial technologies in a novel way.

WORLD CLASS TEAM IN NUCLEAR / HTGR

01

Isaiah became an expert and formulated a plan.

FOUNDER & CEO

Isaiah Taylor

- Mahattan Project family heritage
- Self-taught multidisciplinary engineer
- 2x founder

02

After 25 years in nuclear, Mark knew this was the way.

CHIEF NUCLEAR OFFICER

Mark Mitchell

- Designer, first modular gas reactor: PBMR
- Fmr Chairman of Global First Power
- Fmr President, USNC Power
- Current Board member ASME Nuclear

03

Mark took his top draft picks from 25 years in industry.

WARDZERO CHIEF ENGINEER

Willem Van Rooyen

- Fmr USNC Director of Mechanical Engineering
- Lead designer for turbo generation system at PBMR

VP PROJECT DEVELOPMENT

Kip Mock

- Serial entrepreneur 2x founder
- Govt relations and project development in the Phillipines

HEAD OF COMMERCIALIZATION

Max Ukropina

- Entrepreneur focused on industrializing nuclear power

IN-HOUSE MANUFACTURE LEAD

David Gamboa

- Formerly L-3 Harris, Stellant Systems, Inversion
- Built out our in-house manufacturing

PLANT OPERATIONS LEAD

Joe Lillard

- Head of I&C
- Leads plant operation on WardOne

NAVATAR PROCESS LEAD

Anri Jahns

- 5 years Process engineering Hydrogen from Nuclear Power
- Lead designer for turbo generation system at PBMR

MECHANICAL DESIGN LEAD

Dirk Uys

- Registered Professional Engineer with 27+ years of experience.
- Expert in full project lifecycle execution.

WARDONE PHYSICS LEAD

Visura Pathirana, PhD

- Expertise in dynamic modeling of Nuclear Reactors.
- Skilled in logistics and material management at Hyundai EPC

I&C DESIGN LEAD

Sharon Xue

- Over 30 years of I&C engineering experience across Nuclear, Gas, Fossil Power, and Biofuel industries.
- Expert in full project lifecycle execution.

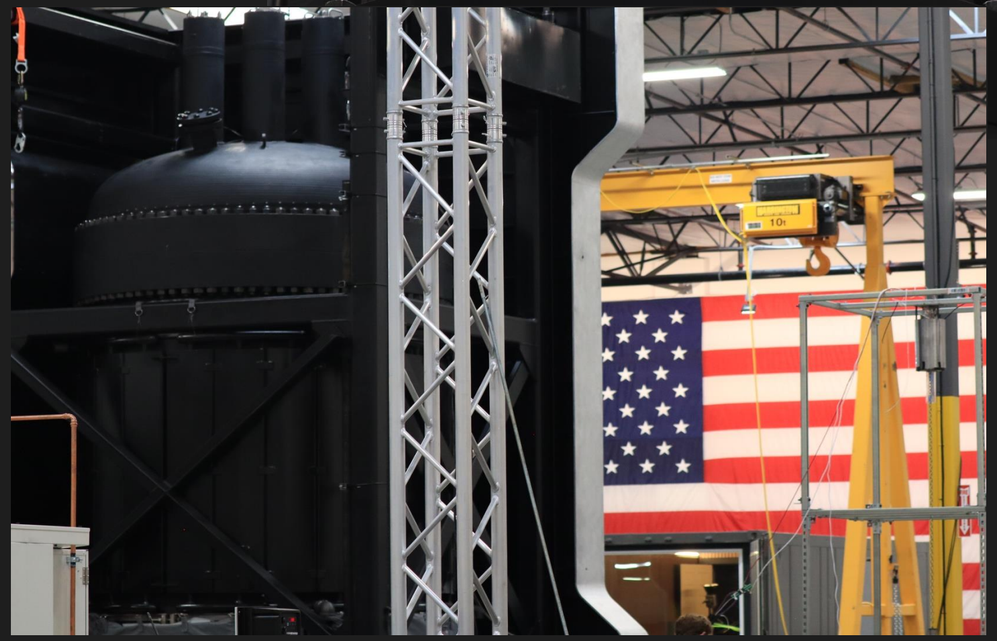
DIRECTOR - LICENSING

Marnus Ferreria

- Project development and licensing at USNC.
- Design engineer.

Valar Atomics:

Many Firsts to Meet the Moment



Reactor Test Unit Live in LA Today

Built in Los Angeles to test real life nuclear scenarios

First Reactor online by July 4, 2026

Ward 250 going critical at SRERC in 2026

DOE Authorization in process with Presidential Executive Order

Will be the first reactor startup with operational reactors in USA

Commercial Deployment by 2028

Project – Ward250

Valar has deployed and is operating the WardZero Thermal Demonstration Unit in Hawthorne CA facility. (procured, built and commissioned in <10months)

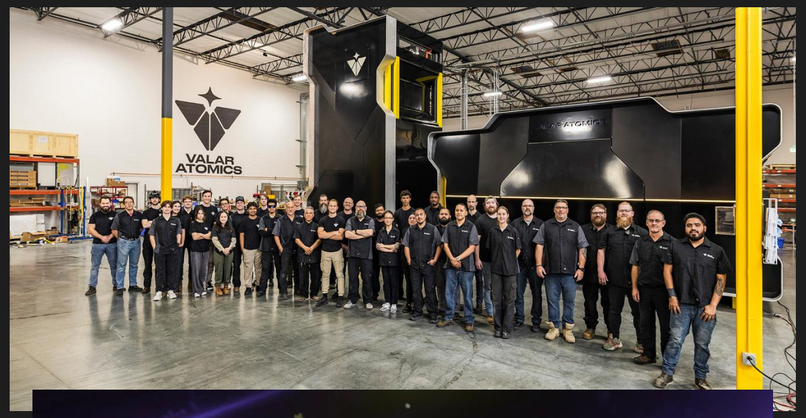
President Trump's Executive Order signed on May 23rd, 2025.

Nuclear Test Reactors by July 4th, 2026!

Build and go critical for the 4th July next year. How is this possible:

1. Lever engineering progress / reuse design
2. Ship and repurpose WardZero Hardware to Utah.
3. Work with the DOE on licensing

Ward250: Ultra low power (<250kW) reactor, operates for 30EFPD, in 12 months in a temporary facility.



Goree
Interiors | Architecture | Brand

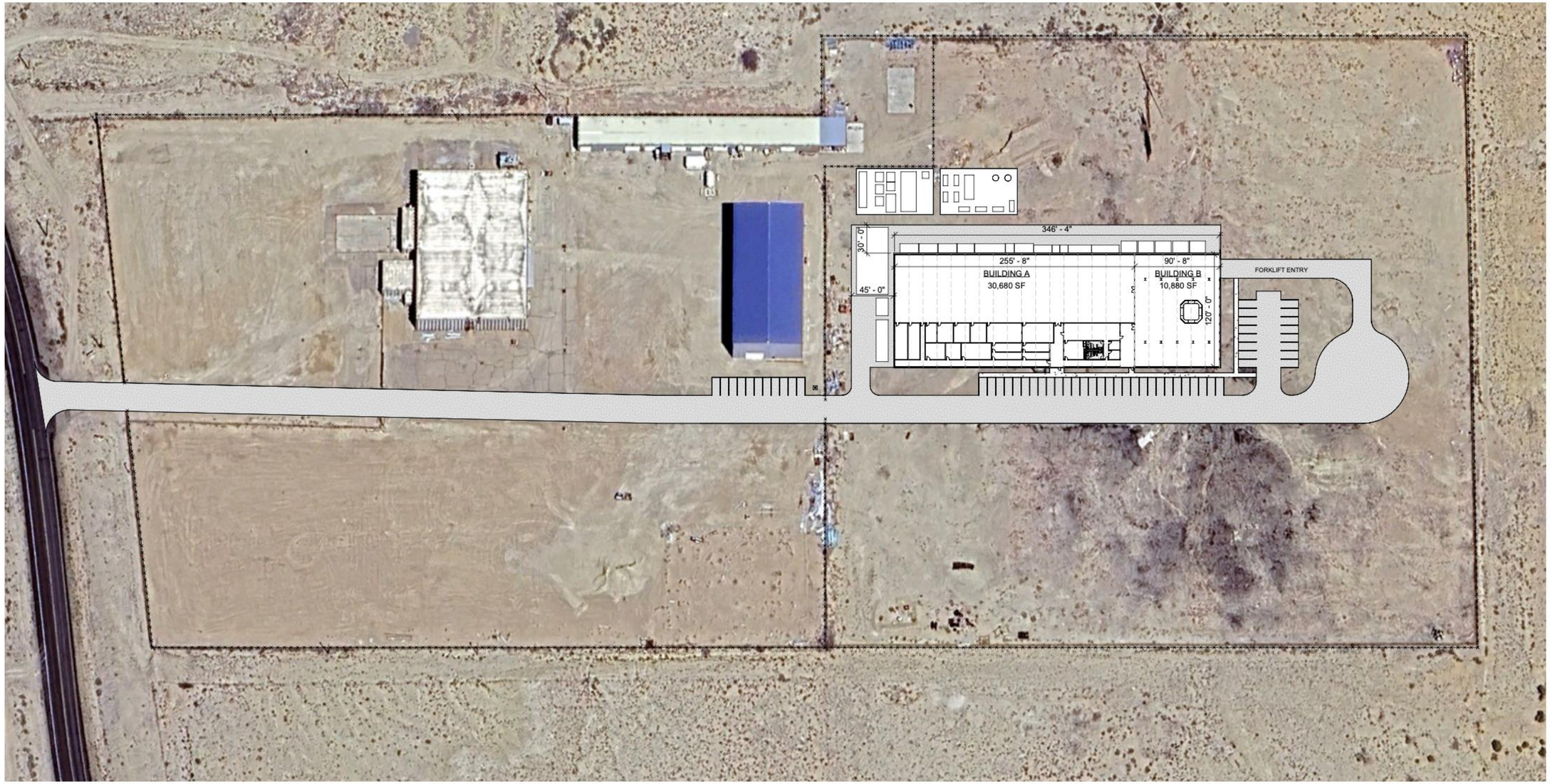
VALAR ATOMICS WARD 250

ORANGEVILLE, UT

BUILDING IMAGE

07/07/2025

SITE		SF	BUILDING	
TYPE	AREA	AREA (SF)	TYPE	AREA
			BUILDING A	30,680 SF
			BUILDING B	10,880 SF
			TOTAL	41,560 SF



*DETENTION AREAS SHOWN ARE APPROXIMATE AND REQUIRE VERIFICATION BY A CIVIL ENGINEER
*ALL BUILDING AREAS SHOWN ARE APPROXIMATE UNTIL FINAL DESIGN IS APPROVED
*ALL AREAS SHOWN ARE APPROXIMATE UNTIL SURVEY IS OBTAINED

SCALE: 1" = 50'
0 12.5 25 50 100

N

Goree
Interiors | Architecture | Brand

VALAR ATOMICS WARD 250

ORANGEVILLE, UT

PRELIMINARY SITE PLAN

07/07/2025

CONFIDENTIAL. DO NOT DISTRIBUTE.

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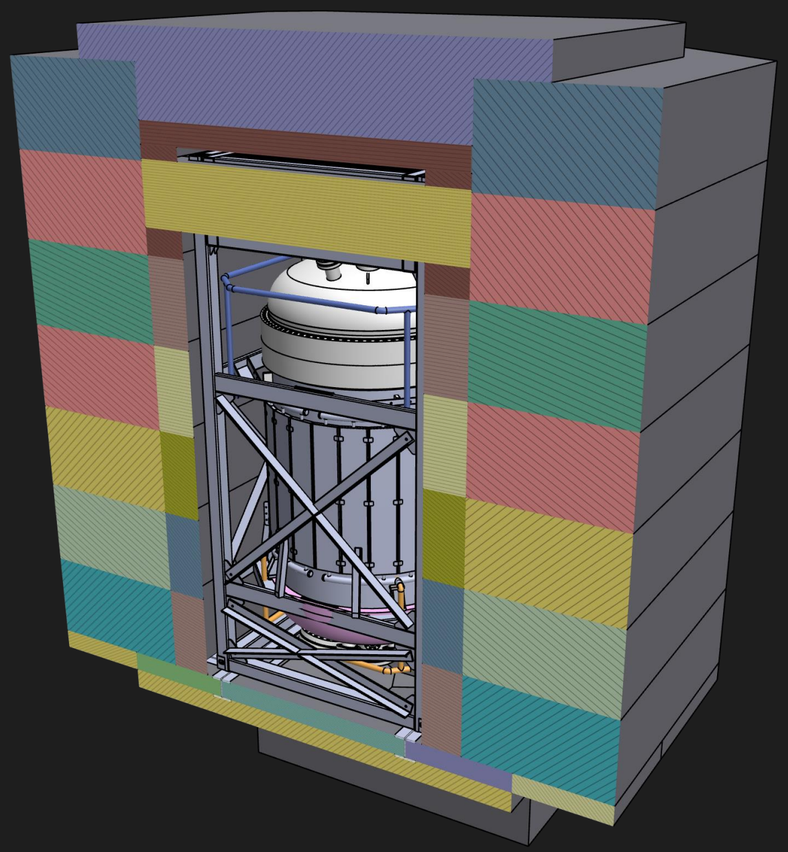
VALAR ATOMICS WARD 250

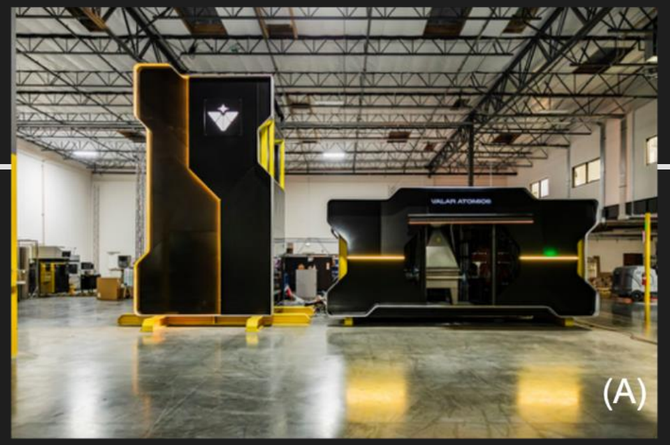
ORANGEVILLE, UT

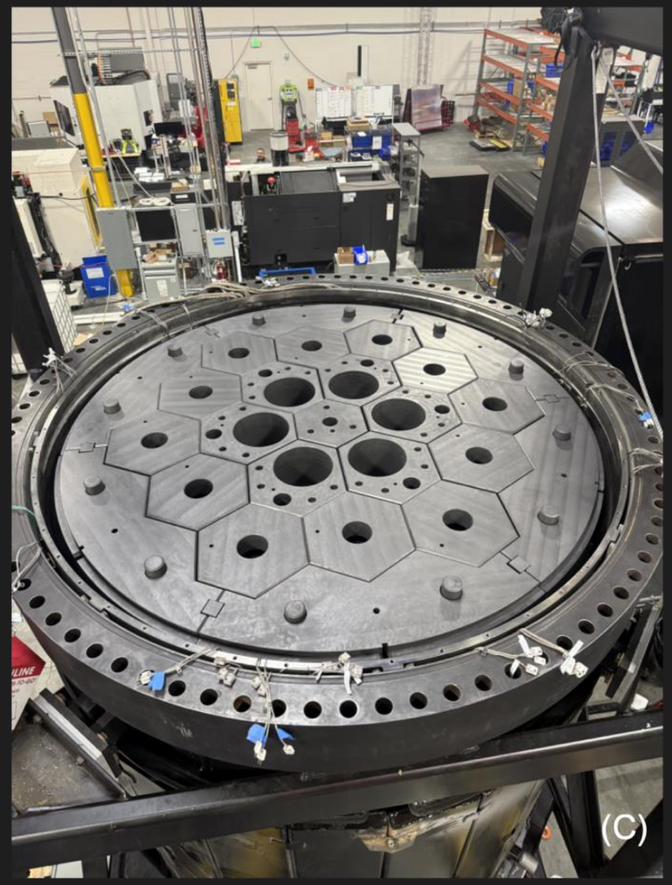
PRELIMINARY FLOOR PLANS

07/07/2025

Reactor Built







Thank you!