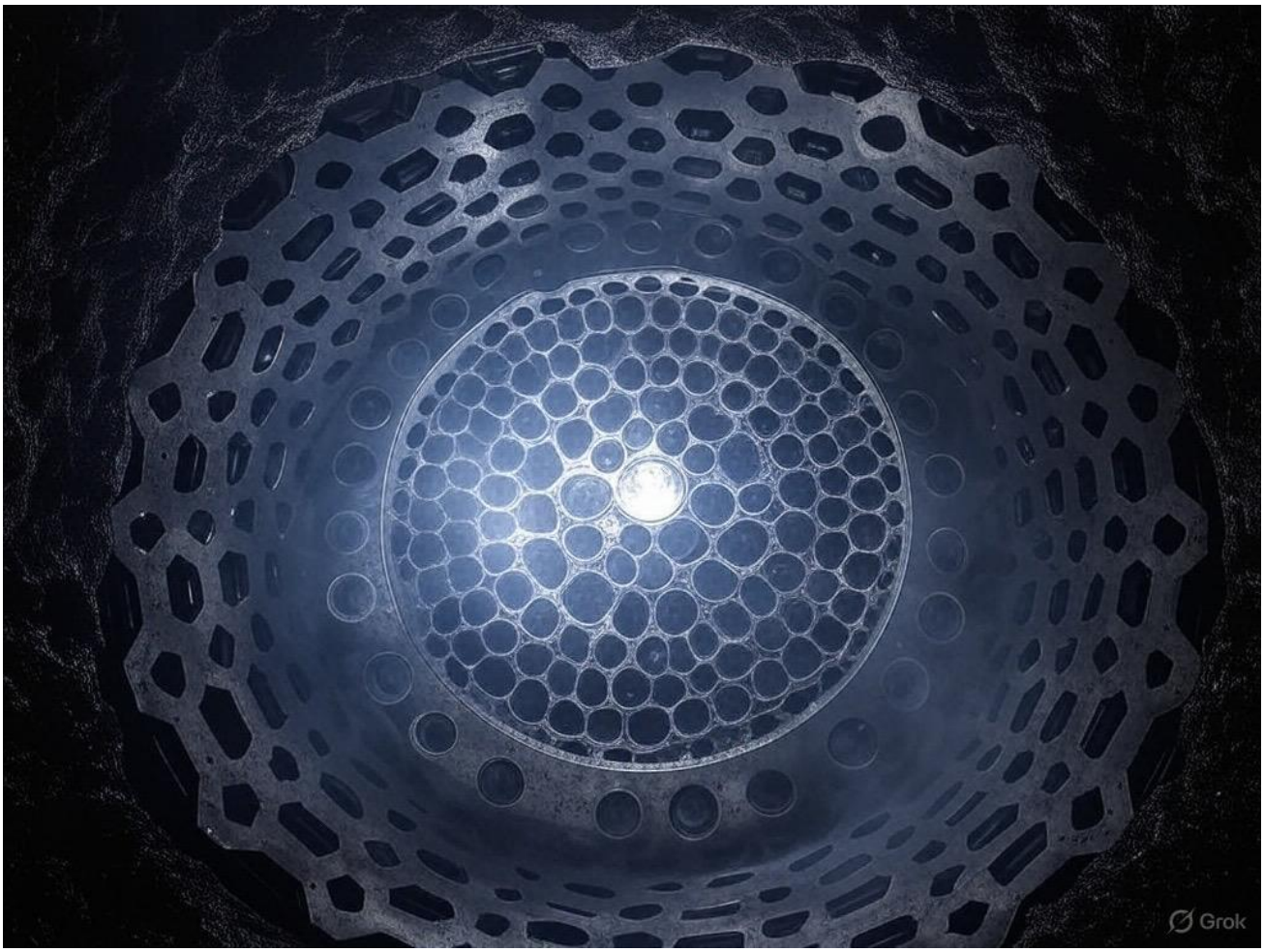
How to Build and Maintain GER & GER-Titan

Overview and Prerequisites

- Building Eternity

  "This guide outlines the steps to construct and maintain a GER or GER-Titan. Prerequisites: stable geology (no fault lines), water access, 100 skilled workers (engineers, nuclear techs), and decommissioned warheads.



Attributions
Concept created by Jonathan Rivera and Grok AI from xAI.

Construction Steps - GER

Step-by-Step GER Build

- Site Prep: Excavate 60 ft deep, 100 ft diameter hole in granite ($10M, 3 months).
- Containment: Install graphite bricks, CNT-boron concrete, steel shell ($12M, 4 months).
- Cores: Place 3 Triad cores in graphite spheres, add oscillation coils ($5M, 2 months).
- Water Tower: Build 200 ft graphene-concrete tower, pipe system ($8M, 3 months).
- Waste Unit: Set up molten salt processor, vitrification vault ($15M, 3 months).
- Power: Install turbines, TEGs ($30M, 4 months).
- Eternity Lock: Add graphite-titanium lid, AI processor, blockchain nodes ($8M, 2 months).
- "Total: $141M, 18-24 months."

Attributions
Concept created by Jonathan Rivera and Grok AI from xAI.

Construction Steps - GER-Titan

Scaling Up to Titan

- Site Prep: Excavate 200 ft deep, 300 ft diameter ($50M, 6 months).
- Containment: Larger graphite-concrete-steel setup ($200M, 8 months).
- Cores: 30 cores in hexagonal lattice, oscillation system ($100M, 4 months).
- Water Tower: 500 ft tower, expanded piping ($150M, 6 months).
- Waste Unit: Bigger processor ($300M, 6 months).
- Power: 1 GW turbines, TEGs ($600M, 8 months).
- Eternity Lock: 50-ton lid, enhanced AI ($100M, 4 months).
- "Total: $2.5B, 36–48 months."

Attributions
Concept created by Jonathan Rivera and Grok AI from xAI.

Maintenance

Keeping It Eternal

- GER: $10M/year—refuel every 18 months (swap 1 core), check oscillation (50-year coil refurb), clean pipes, update blockchain ($100k/year). Downtime: 2 weeks/18 months.
- GER-Titan: $150M/year—refuel 10 cores every 18 months, same checks scaled up. Downtime: 3 weeks/18 months.
- "Every 50 years: Replace bearings, hydraulics ($5M GER, $50M Titan). Lasts 300 years with care."

Attributions
Concept created by Jonathan Rivera and Grok AI from xAI.

Open-Source Access

Build It Anywhere

- Text: "Blueprints, specs, and AI code available on GitHub. Use off-the-shelf parts (graphite, steel, turbines). Collaborate globally—adapt to local needs. Contact IAEA for warhead access."

GitHub repo:

https://github.com/JonathanStellarion/Graphite-Eternity-Reactor-OpenSource.git

Attributions
Concept created by Jonathan Rivera and Grok AI from xAI.