REDSUN TECHNOLOGIES

Value Proposition - The Economics of running two Red Sun batteries, 40 MW diesel generator, cryo nitrogen, plus charging battery by nuclear.

- **Filling & Discharging two 32 MW Battery per day with 40 MW Diesel generator**

- Red Sun Power: two 32 MW batteries filled in 4 hours/ ea= 720 MWh/ battery day = 518,000 MWh/ year in power x 50% efficiency = 259,000 MWh/ year produced. Tracked and satellite/ cell control + safety, security & billing: www.max-mesh.com

- Cost to run generator & reactor: 259,000 MWh / year obtained for cost of $40/MWh x 259,000 MWh/yr = **$5,200,000/ yr Opex Overhead for charging battery.**

Other Equipment: nitrogen production per liter = $0.035/ liter. Running nitrogen in diesel engines gives 259,000,000 kWh/ yr x $0.035/ liter x 1 liter/ 15 kWh = $680,000/ yr

-Total Opex on 259,000 MWh = $5,200,000/ yr charging + $680,000/yr N2 production = $5,880,000/ yr + $20 M reactor financed over 2 years = $10 M/ yr; Total = $15.88 M

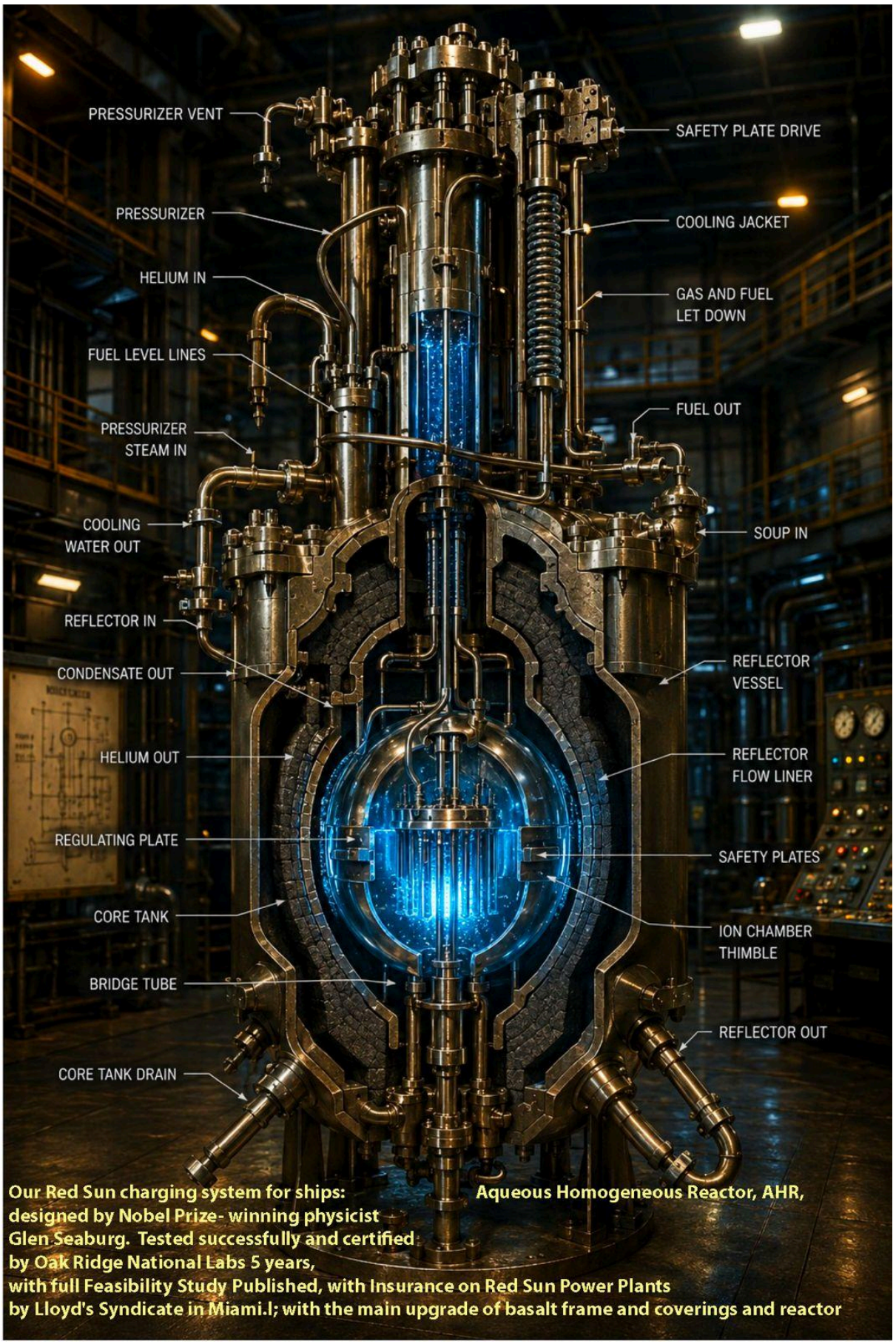
-Cost per kWh= $15,880,000/ 259,000,000 kWh = $0.0613/ kWh

-Total Battery + Charging Capex: Battery + charging + N2 infrastructure = $720k + $120 k/ cryo N2 + nuclear reactor $10 M = **$10.84 Total Battery + Charging Capex $10.84 M**

-Total Diesel + Generator Capex (6 year used) $150/ kW x 40,000 kW = $6 M;
- Total Capex = $16.84 M

-Income: at $150/ MWh x 720 MWh/ day = $108,000/d x 360d = $38,800,000/yr selling electricity**.**

ROI: (**$38.8 M - $16.84)/$16.84 M = 130%**



Our Red Sun charging system for ships: Aqueous Homogeneous Reactor, AHR, designed by Nobel Prize- winning physicist Glen Seaburg. Tested successfully and certified by Oak Ridge National Labs 5 years, with full Feasibility Study Published, with Insurance on Red Sun Power Plants by Lloyd's Syndicate in Miami.l; with the main upgrade of basalt frame and coverings and reactor

REDSUN ENERGY

ENERGISME GREEN GROUP
REGG

CLEAN ENERGY. INDUSTRIAL POWER.
SUSTAINABLE FUTURE.

RED SUN ENERGY ECOSYSTEM™

INTEGRATED BIOMASS PYROLYSIS • THERMAL ENERGY STORAGE • FLASH SMELTING

TRANSFORMING BIOMASS INTO INDUSTRIAL HEAT, ELECTRICITY, AND SUSTAINABLE METAL PRODUCTION

01 BIOMASS FEED SYSTEM
02 CATALYTIC PYROLYSIS REACTOR
03 SYNGAS GENERATION
04 GAS TURBINE POWER PLANT
05 REDSUN THERMAL BATTERY
06 FLASH SMELTING REACTOR
07 WASTE HEAT RECOVERY
08 CLOSED-LOOP ENERGY INTEGRATION

THE ENERGY JOURNEY

BIOMASS → CATALYTIC PYROLYSIS → SYNGAS → GAS TURBINE → ELECTRICITY → REDSUN THERMAL BATTERY → INDUSTRIAL HEAT → FLASH SMELTER → RECOVERED HEAT → STEAM GENERATION → ELECTRICITY → ENERGY STORAGE

HIGH EFFICIENCY

Converts biomass into electricity and industrial heat with maximum energy recovery and minimal emissions.

THERMAL STORAGE

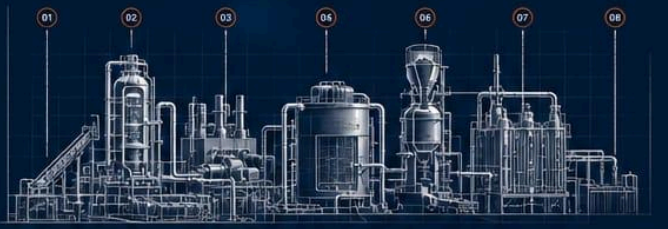
REDSUN thermal battery stores surplus energy for continuous, reliable high-temperature industrial operations.

OFF-GRID INDUSTRIAL POWER

Provides secure, scalable, and sustainable power for remote mining, metal refining, and heavy industry without dependence on conventional fuel infrastructure.

SYSTEM HIGHLIGHTS

- 100% Biomass to Energy
- High-Efficiency Pyrolysis Technology
- Clean Syngas for Power Generation
- Long-Duration Thermal Energy Storage
- High-Temperature Heat On Demand
- Integrated Flash Smelting Capability
- Zero-Waste, Closed-Loop System
- Off-Grid, Scalable, and Modular



KEY OUTPUTS

- CLEAN ELECTRICITY
- INDUSTRIAL HEAT
- COPPER METAL
- STEAM
- BIOCHAR (SOIL AMENDMENT)