

TOTRADE™  
FEWS SYSTEM  
Food•Energy•Water•Space

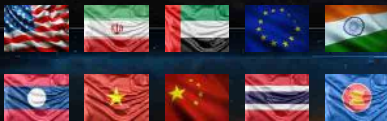
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# War Exit Strategy

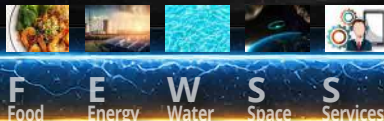
PDF: [totrade.co/wp](https://totrade.co/wp)

Benefits - ຜົນປະໂຫຍດ

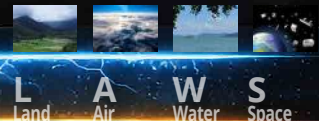
For Participating  
**Nations**



For Participating  
**Corporations**



For The  
**Planets**



Updated: 28 April 2026



[totrade.co/w1](https://totrade.co/w1)

Two paths ahead.  
We decide which one we build.



## Scenario 1:

### Stable warm operating state

- 🗨️ Earth runs warm by design
  - 🌡️ Baseline sits about +6 to +10°C above the present interglacial ~15°C
  - 📈 Phanerozoic ranges cluster near 19–23°C
  - 🌊 Peaks reach 25–29°C
  - ❄️ Cold states appear as short glacial spikes
- ➡️ **Core drivers**
  - 🌊 Oceans store and move most energy
  - 💧 Water phase change sets transfer rates
  - ☁️ Clouds regulate incoming flux
  - ☀️ Solar and high-energy particle input act aloft
  - 🌋 Solid Earth heat and circulation act from below.
- ➡️ **Outcome**
  - 🌊 Variability within a wide range
  - 📊 Extremes redistribute
  - 🌱 Winters ease faster than summers rise
  - 🍷 Productive zones expand with heat and liquid water



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## Scenario 2: Disruption

- ➡️ Abrupt deep-Earth energy release
- 🔪 Rapid system shock
- 🏚️ Civilizational collapse risk
- ➡️ **Reading the indicators**
  - 🌊 Ocean uptake shows buffering capacity
  - 🧊 Ice and albedo track circulation shifts
  - 🌊 Sea level follows expansion and basin change.
- ➡️ **We focus on drivers, control flows, and build resilience.**



[totrade.co/w2](https://totrade.co/w2)

# Scenario 1: Return to Earth Warm State by Design

Percentages, years, and x-axis lengths all in one table

**1** 4,600 Mya → 2.6 Mya  
 Years = 4,597,400,000  
 Percentage = 99.94347661%  
 Length = 45,973.99990 m

**2** 2.6 Mya → 12,600 BP  
 Years = 2,587,400  
 Percentage = 0.05624782%  
 X-Axis Section Length = 25.87399 m

**3** 12,600 BP → 4,200 BP  
 Years = 8,400  
 Percentage = 0.00018261%  
 X-Axis Section Length = 84 mm

**4** 4,200 BP → 1950  
 Years = 4,200  
 Percentage = 0.00009130%  
 X-Axis Section Length = 42 mm

**5** 1950 → 1979  
 Years = 29  
 Percentage = 0.00000063%  
 X-Axis Section Length = 0.29 mm

**6** 1979 → 2025  
 Years = 46  
 Percentage = 0.00000100%  
 X-Axis Section Length = 0.46 mm

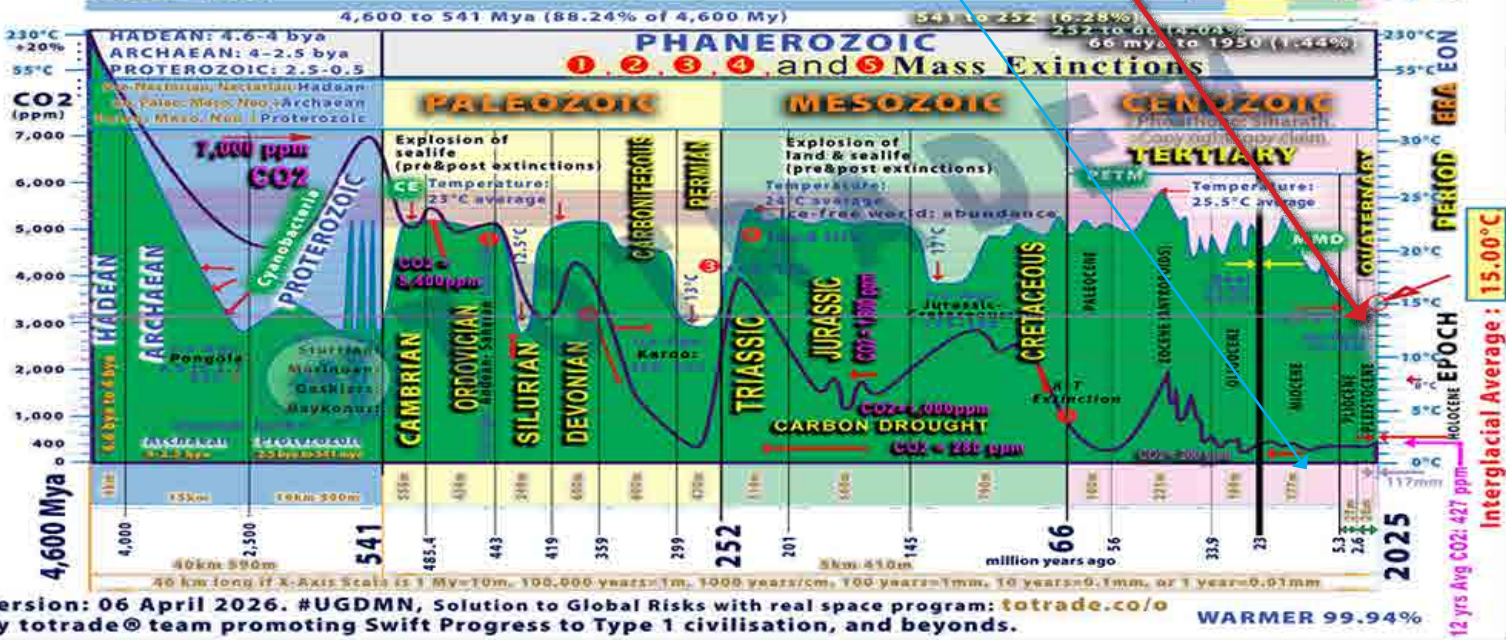
**7** 2025 → 3000  
 Years = 975  
 Percentage = 0.00000213%  
 X-Axis Section Length = 9.96 mm

**Totals**  
 Years = 4,600,000,000  
 Percentage = 100.00000000%  
 X-Axis Length = 46 km  
 BP means Before Present\*, 1950 as "Present"

Earth operates on Warm.  
 The Current Dynamics reflect **CO<sub>2</sub>** and heat starvation,  
 not excess: [totrade.co/81](http://totrade.co/81)

99.94% of 4,600 Million Years

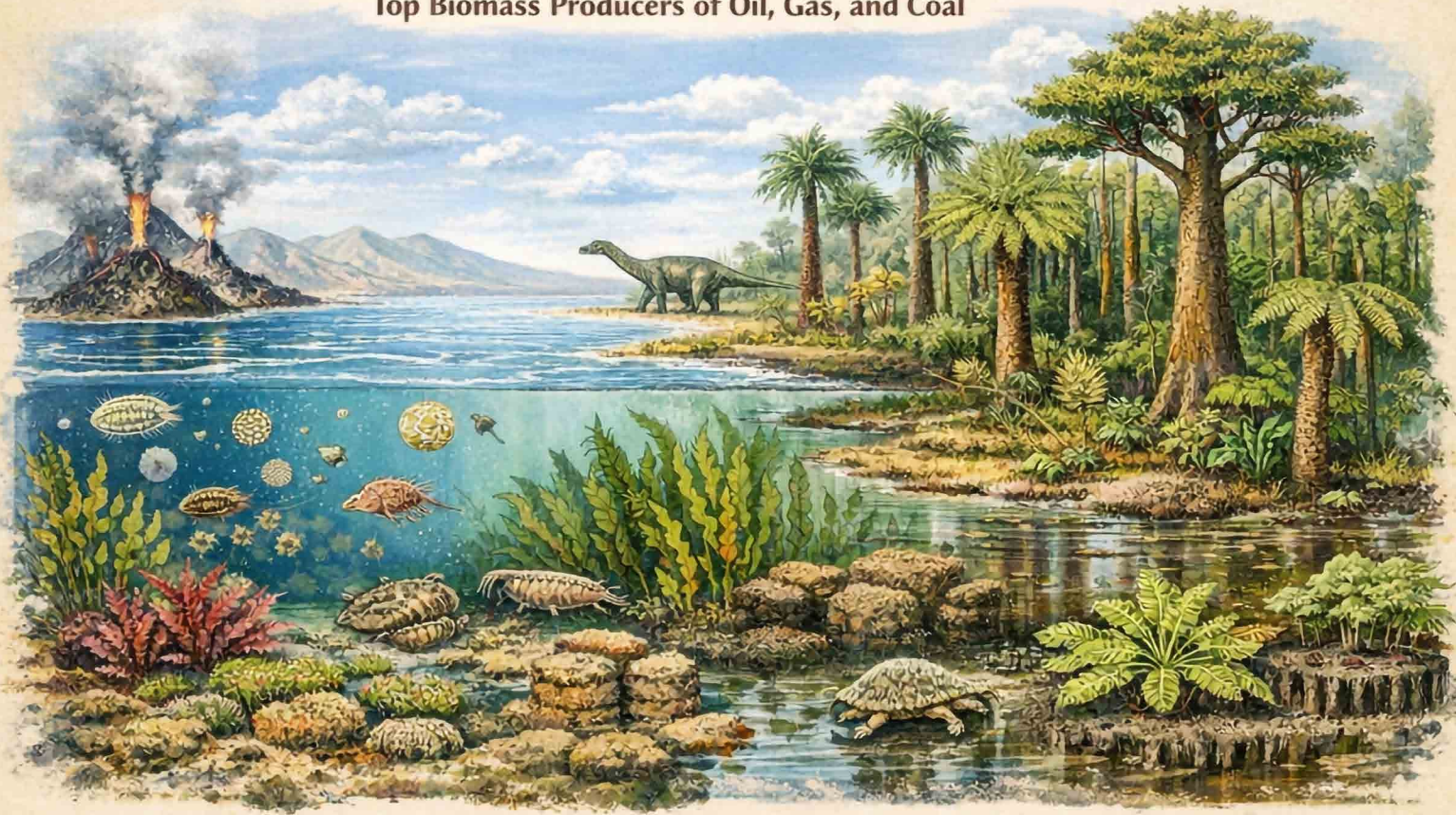
## Earth's Geological Timescale: Atmospheric Surface Temperature and CO<sub>2</sub> fluctuations



# Hydrocarbons Origin

## Key Plants through Geologic Time

### Top Biomass Producers of Oil, Gas, and Coal

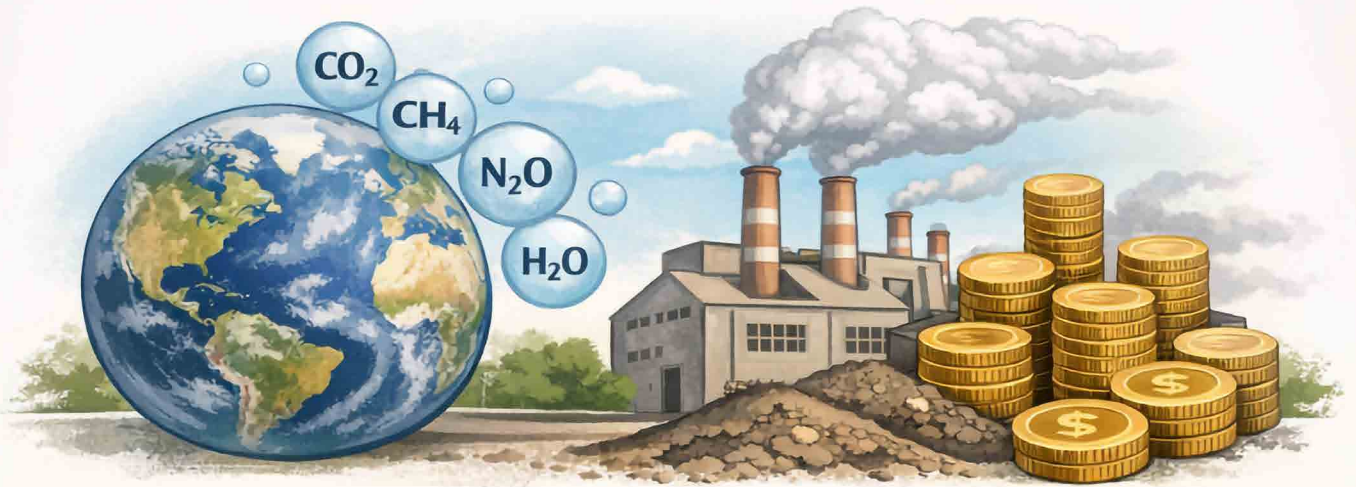


Plant / Organism	Sea / Land	Temperature	CO <sub>2</sub>	Period
Cyanobacteria (stromatolites)	Sea	Warm	High	Archean–Proterozoic
Green algae (chlorophytes)	Sea	Warm	High	Proterozoic–Recent
Red algae (rhodophytes)	Sea	Warm	High	Proterozoic–Recent
Diatoms	Sea	Cool–Warm	Moderate–High	Jurassic–Recent
Dinoflagellates	Sea	Warm	High	Triassic–Recent
Coccolithophores	Sea	Warm	Moderate–High	Jurassic–Recent
Peat Moss (Sphagnum)	Land	Cool–Wet	Moderate	Proterozoic–Pitaneozic
Lycopsids (clubmoss trees)	Land	Warm–Humid	High	Carboniferous
Tree Ferns	Land	Warm–Humid	High	Devonian–Carboniferous
Horsetails (Equisetum)	Land	Warm–Wet	High	Carboniferous
Cordaites (early gymnosperms)	Land	Warm	High	Carboniferous–Permian
Glossopteris flora	Land	Cool–Warm	Moderate–High	Permian
Conifers (early gymnosperms)	Land	Variable	Moderate	Permian–Recent
Angiosperms (flowering plants)	Land	Warm	Moderate	Cretaceous–Recent
Mangroves	Land–Coastal	Warm	Moderate	Cenozoic
Seagrasses	Sea–Shallow	Warm	Moderate	Cretaceous–Recent

<1% of global commercial oil and gas shows clear abiotic signatures but remains lower than in deep fluid systems. Higher for some locals, more: [totrade.co/p114b](https://totrade.co/p114b)

# carbon monetization chain

From Club of Rome to Endless COPs



All Atmosphere Gases =  
**0.05%** of Earth's Thermal Energy



CO<sub>2</sub>: Only **0.0015%** of that 0.05% Enthalpy



Regulate  
Water, Oceans, Gravity & Earth's Core ~~Drive~~ Climate



Tiny CO<sub>2</sub> → Turns Into Big Money →

Carbon Credits & Profits

CO<sub>2</sub> Focus = Financial Scheme Not Climate Science

Carbon Monetization: [totrade.co/sc](http://totrade.co/sc)

Earth Dynamics: [totrade.co/i](http://totrade.co/i)



# Atmospheric Water's Enthalpy Role, Index: [totrade.co/i](http://totrade.co/i)

~100 km Kármán line: ~0.000 000 1 atm

Weather is Driven By **Clausius-Clapeyron** Relation



$$H = U + pV$$

Enthalpy = Internal Energy + Expansion Work

## Water's Behavior in the Atmosphere

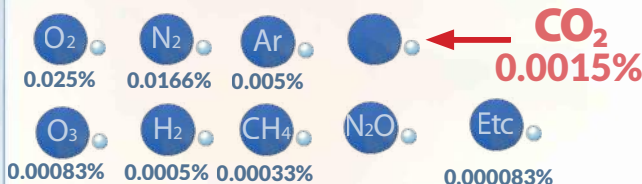
## Other Gases' Behavior in the Atmosphere

— 60°C 15km: ~0.23 atm

### No Phase Change

% = Thermal Influence, not volume.

Gas cloud, humidity



Energy Released

Condensation

Liquid >0°C rain

Solid <0°C snow, hail

Heat (UP)

Cold (DOWN)

### Small Expansion Work



Sensible Heat Only

▶ Limited Energy Transfer (sensible 20/80 latent)

Warm Scenario:

Greater heat distribution, cooler surface at tropics, warmer elsewhere

5km: ~0.5 atm

### H<sub>2</sub>O vs Other Gases

95.5% : 0.05%  
+ 3.00% Solid State Enthalpy (SSE)  
+ 1.45% Biosphere Mix  
===== 100%

Latent Heat Upward

7% per °C expansion

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### Outcome

### Thermal Buffer Only

▶ Limited Enthalpy Transfer (other gases: 0.05%)

### H<sub>2</sub>O: Thermal Elevator

Pacific & Clouds  
[totrade.co/p15b](http://totrade.co/p15b)



99.76% widespread

Gas vapor

0.239% localized

Liquid >0°C oceans, rivers, lakes, aquifers...

0.001% trace location

Solid <0°C snow, ice

Melting Ice

6th Ocean (Solid OH<sup>-</sup>)  
230,000 atm, 1600-1900°C  
~300-400 times Surface Enthalpy  
Phase change on standby, [totrade.co/6](http://totrade.co/6)

0m: 1 atm

### ATMOSPHERE VOLUME

N <sub>2</sub>	~ 78%
O <sub>2</sub>	~ 21%
Ar	~ 0.93%
H <sub>2</sub> O (Variable)	up to 4%
CO <sub>2</sub>	~ 0.04%

H<sub>2</sub>O vs CO<sub>2</sub>  
**600,000 : 1**

### OCEAN MASS

Water (H<sub>2</sub>O) > 96.5%  
CO<sub>2</sub> < 0.002%

Below sea avg Pressure  
-11km: 1,100 atm, Mantle: 230,000 atm



# THE 6<sup>TH</sup> OCEAN

## 6<sup>th</sup> Ocean

Found 700 km  
Beneath the Surface

Mantle Transition Zone

700 km

## 6<sup>th</sup> Ocean

Hydroxyl Ions (OH<sup>-</sup>)  
Bound in Ringwoodite



### 📍 LOCATION AND DEPTH

- Found 700 km beneath Earth's surface
- Located in the **mantle transition zone** between the upper and **lower mantle**

### 🔬 COMPOSITION

- Water is not liquid. It is solid-state, bound as hydroxyl ions (OH<sup>-</sup>) within the crystal lattice of ringwoodite
- Ringwoodite is a **high-pressure** form of olivine that can hold water like a sponge

### 💧 VOLUME

- Estimated to hold **3 to 5 times** of all surface oceans
- Equivalent to **30 times** all surface freshwater

### 🌡️ PRESSURE AND TEMPERATURE

- ~**230,000 atmospheres**
- Temperature: ~**1600–1900 °C** (2900–3450 °F)

### 📡 SCIENTIFIC EVIDENCE

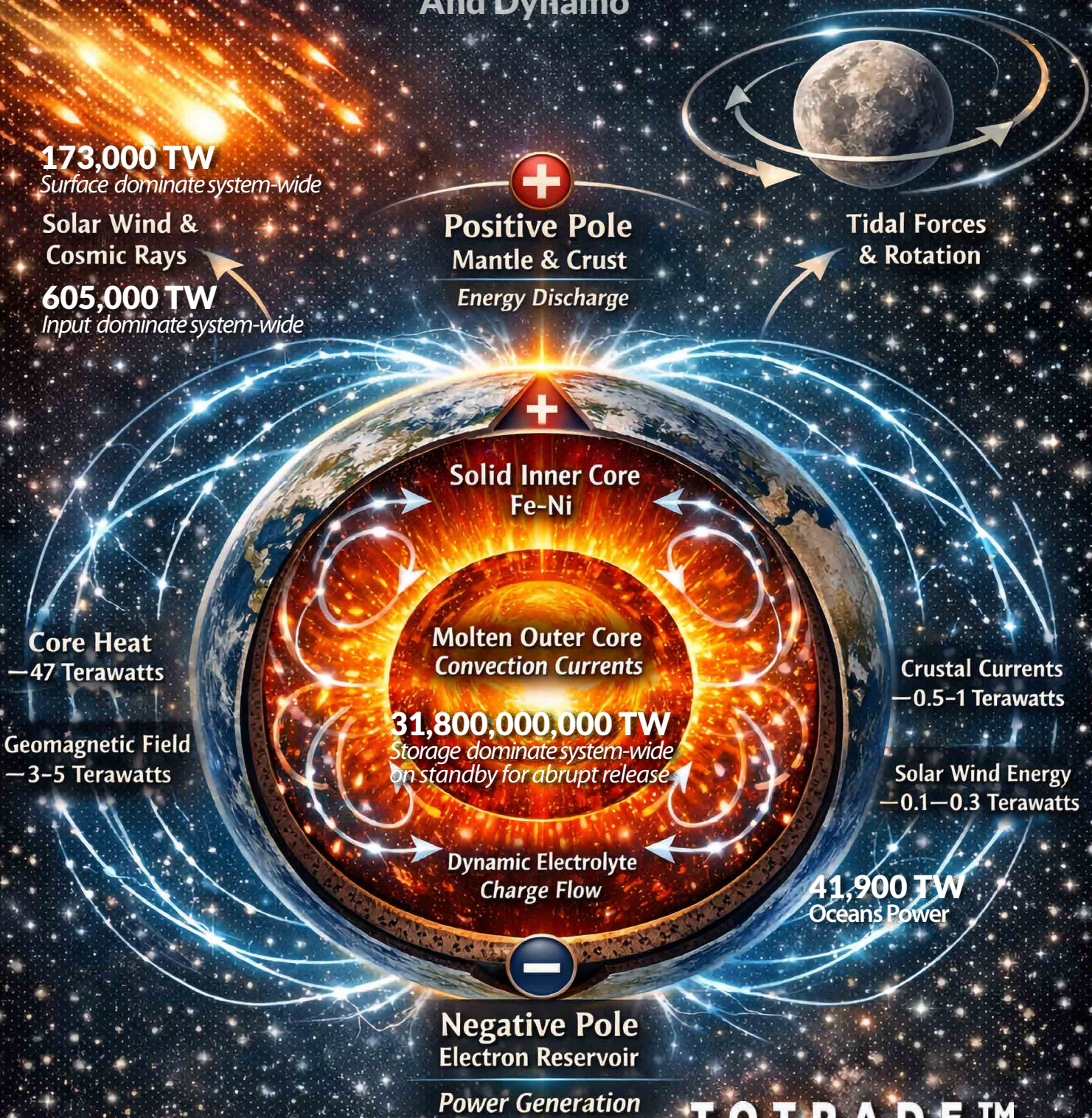
- Discovered using seismic wave analysis from over 2,000 seismographs
- Confirmed by mineral analysis and high-pressure lab simulations



[totrade.co/w8](https://totrade.co/w8)

# Earth: The Planetary Battery

And Dynamo



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**Planetary Dynamo**  
 Self-Sustaining Energy

**Global Voltage**  
 -10<sup>8</sup> Volts  
 100,000,000 volts

**Continuous Current**  
 -Millions of Amps

# GCR Dominance Over Solar Input

## Earth's Long-Range Natural Battery Charger



### GCR Dominance Over Solar Input

- GCRs carry higher particle energy per event across wide spectrum
- Continuous galactic origin flow, not limited to solar cycles
- Penetrate deep into atmosphere and lithosphere
  - Drive ionization, cascade formation, and subsurface charge transfer

**High Quantity, Extreme ionization**  
*Input dominate system-wide, from heliosphere, Van Allen Belts, all atmosphere layers, Oceans, SSE, to core → The Planck Relation.*



### Frequency-Energy Structure

- Low-energy GCRs sustain constant background ionization
  - High-energy GCRs deliver rare but massive energy injections
- Net effect exceeds steady solar photon flux in depth and impact zones



### Earth as Long-Range Natural Battery Charger

- GCRs inject charge into atmosphere and surface layers
- Support global electric circuit and ionosphere coupling
- Feed crustal and oceanic conductivity pathways
  - Maintain charge gradients from upper atmosphere to core interface

**Multi-frequency GCRs**



### Solar Limitation

- Solar input concentrates at surface and upper ocean layers
- Strong modulation by heliospheric magnetic field
- Reduced penetration and weaker subsurface coupling

**High frequency Solar photons**  
Surface radiation  
→ Clausius-Caplayron Relation



### System View

- GCRs act as primary external charge carriers
- Earth stores and redistributes via water, minerals, and core dynamics

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**Believing the Sun as Main Earth Energy Driver equals believing CO<sub>2</sub> is the Atmospheric Driver**

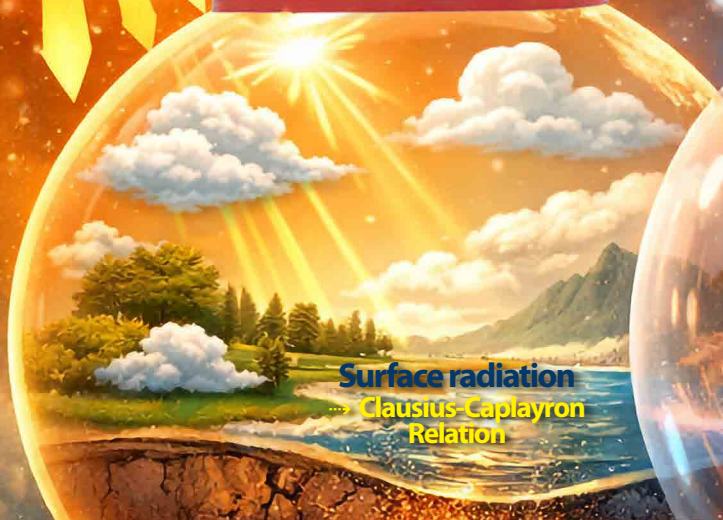


[totrade.co/w10](https://totrade.co/w10)

# Solar Energy vs. Galactic Cosmic Rays

**Solar Energy (20%)**

**GCRs Energy (70%)**



**Surface radiation**  
→ Clausius-Caplayron Relation

**Multi-frequency GCRs**

**High Quantity, Extreme ionization**

Input dominate system-wide, from heliosphere, Van Allen Belts, all atmosphere layers, Oceans, SSE, to core → The Planck Relation.

- ▶ Baseline Energy Input, small variability
- ▶ Low penetration depth, surface heating.
- ▶ Strong reflection and re-radiation

- ▶ Strong Shift (position, magnetic fields)
- ▶ Deep penetration, extreme ionization
- ▶ Triggers secondary particle cascades



▶ Weak Solar, higher GCRs penetration  
→ Aligns with climate instability & records

→ [totrade.co/6a](http://totrade.co/6a)

**31,800,000,000 TW**

Storage dominate system-wide  
on standby for abrupt release

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[totrade.co/w11](http://totrade.co/w11)

# Earth's Heat Dynamics



High Altitude  
~ 60°C (15 km)  
Cooling with Altitude  
Even closer to the Sun

Solar System  
Other Cosmic Rays  
605,000 TW  
Multi frequency GCRs

High frequency Photons

High Quantity, Extreme ionization  
Input dominate system-wide, from  
heliosphere, Van Allen Belts, all atmosphere  
layers, Oceans, SSE, Mantle, to the core  
→ The Planck Relation.

Atmosphere ≈ 13,000 TW  
convection, latent heat transfer, cloud dynamics, and  
circulation mainly by Water Vapor, [totrade.co/w7](http://totrade.co/w7)

CO<sub>2</sub> ≈ 430 TW  
used by plants for Carbon &  
Oxygen production

Surface radiation  
→ Clausius-Caplayron  
Relation

Oceans dominate  
Transfer >95.5%

Internal Heat  
~ 50 TW

Ocean  
Absorption

- ◆ Radiogenic Decay
- ◆ Core Heat
- ◆ Convection

◆ Phase Change

Hydrothermal Heat

Surface Heating

Water  
in Crust

Heat Rise

→ [totrade.co/ees](http://totrade.co/ees)

Evaporation  
Heat Release

Energy ( $E=hv$ ,  $E=Power*time$ ), ( $v=$ frequency) stored and  
power ( $P= E/time$ ) discharged, from the bottom up.



[totrade.co/w12](http://totrade.co/w12)

# Earth Magnetism Full System

## Primary Cosmic Drivers

- **Galactic Cosmic Rays** dominate deep penetration
- **Solar Energetic Particles** interact with upper layers
- **Collisions** transfer mass-energy into system

Multi-frequency GCRs & photons

Weak Shielding Region

## Control Layers

- **Atmosphere** filters radiation and drives circulation
- **Hydrosphere** absorbs and redistributes heat
- **Lithosphere** stores and conducts energy
- **Cryosphere** reflects and stabilizes gradients

## Internal Heat Engine

- **Mantle convection** drives tectonics and volcanism
- **Outer core** liquid iron flow sustains geodynamo
- **Inner core** solidifies and releases heat outward

## Mediators

- **Water enthalpy** governs phase and heat transfer
- **Clouds** regulate albedo and vertical flux
- **Plasma** interactions shape ionosphere response

## Transporters

- **Radiation** moves energy across space and surface
- **Convection** drives vertical exchange in air and ocean
- **Currents** shift heat across latitudes
- **Latent heat** shifts energy through phase change

→ [totrade.co/6a](https://totrade.co/6a)

## Integrated Flow

- **Cosmic input** meets magnetic shielding
- **Surface water** and air regulate distribution
- **Deep Earth** sustains continuous energy supply
- **Space to core coupling** defines Earth dynamics



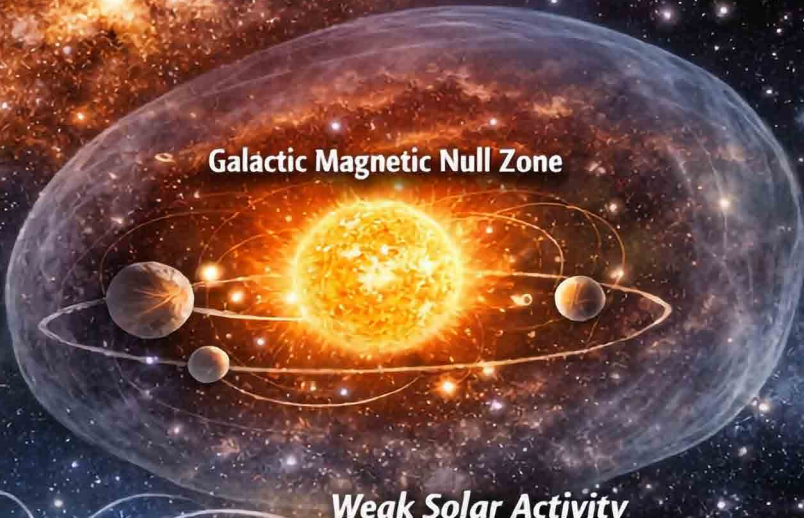
[totrade.co/w13](https://totrade.co/w13)

# GALACTIC COSMIC CYCLES

## ENTERING A MAGNETIC NULL ZONE

Galactic Cosmic Ray Surges  
Every 5,000–35,000 Years

22-Year Peak  
11<sup>th</sup>-Year Crest



Increased GCRs  
by 2036

### Multi frequency GCRs

#### High Quantity, Extreme ionization

Input dominate system-wide, from heliosphere, Van Allen Belts, all atmosphere layers, Oceans, SSE, to core → The Planck Relation.

Weak Earth's Magnetic Field

→ [totrade.co/6a](https://totrade.co/6a)

**31,800,000,000 TW**

Storage dominate system-wide,  
on standby for abrupt release

### Atmospheric Ionization

- Extreme Storms & Lightning

### Geodynamo Instability

- Magnetic Anomalies & Reversals

### Mantle Stress

- Quakes, Volcanoes & Tsunamis

Global Disruption & Earth Changes



[totrade.co/w14](https://totrade.co/w14)

# Earth Disruption Scenario:

## The Drivers

29k

Years between 22 years peak  
18.5ky

11.5k

7k

**GCR Flux**

605,000 TW

**Solar Output**

173,000 TW

**Comparison**

→ [totrade.co/w15a](https://totrade.co/w15a)

**Internal Power**

31,800,000,000 TW

*Storage dominate system-wide,  
on standby for abrupt release*

→ [totrade.co/6a](https://totrade.co/6a)

**Surface Oceans Power**

41,900 TW

GCR Flux >> Solar Output >> H<sub>2</sub>O Pressure | Peak ~2036 | ±12,000-Year Cycle

# Galactic Cosmic Cycles Shape Earth System Behavior

## Multi-frequency GCRs

**High Quantity, Extreme ionization**  
 Input dominate system-wide, from heliosphere, Van Allen Belts, all atmosphere layers, Oceans, SSE, to core → The Planck Relation.

Isotope Records show Galactic Cosmic Ray Surges

GCR Surge Phases  
 ~ 22 Years

Approaching Galactic Magnetic Null Region

Declining Solar Activity Weakens Shielding

Cycle Begins 2025

## Earth System Response

Increased Atmospheric Ionization

Violent Storms  
 Intense Lightning  
 Climate Shifts

Magnetic Stress

Geomagnetic Anomalies  
 Polarity Reversals

Mantle & Crust Stress

Megaquakes  
 Supervolcanoes  
 Crustal Displacement

## Strategic Response

Harden Grids & Satellites

Protect Food & Resources

Expand Shielded Facilities

Advance Space Programs

## Prepare for High Cosmic Radiation Phases

Interactive White Paper: [totrade.co/o](http://totrade.co/o)



Inadequate Housing

### Climate Resilient Housing Benefits

- ✓ Passive Cooling and Heat Reduction  
Water features and transpiring vegetation naturally absorb heat, cool the air, and reduce surrounding temperatures
- ✓ Improved Air Quality  
Dense vegetation purifies the air by absorbing CO2 and releasing oxygen
- ✓ Food Self-Sufficiency
- ✓ Energy Efficiency  
Solar panels on the green roof utilize absorbed solar heat to generate electricity, lowering energy costs
- ✓ Food Self-Sufficiency  
Growing fruits like durian, lychee, and mango in the garden provides a
- ✓ Sustainable Water Management  
The water features promote evaporation, regulate microclimate,



Climate Resilient Housing



[totrade.co/w16](http://totrade.co/w16)

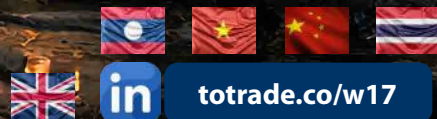
# Design Weakness

## CASCADING VULNERABILITY

Galactic Cosmic Rays, solar forcing, geomagnetic stress, and deep Earth enthalpy must be monitored as primary system drivers.

Abrupt Energy Release

Our infrastructure is not built for what is coming.



[totrade.co/w17](https://totrade.co/w17)

# Particles and Photons Thermodynamics

## ► Thermodynamic Chain

### ► Inputs

- Galactic cosmic ray particles, 605,000 TW [totrade.co/p54](http://totrade.co/p54);
- Solar photons, 173,000 TW

### ► Conversion

- Ionization in atmosphere
- Secondary radiation cascades

, dominate surface flux

**Atmosphere:** absorb/re-emit: ~100–300 TW equivalent regional heating effects

**Buildings:** ~ +300 TW sensible heat load

**Surface:** sensible heat storage and release

**Forests:** Loss, ~30–40% of land modified

~ -1,500 TW latent transfer capacity

~ **1,200–1,800 TW**, latent to sensible pathways

→ Latent ↓, sensible ↑, **Oceans & Moisture** modulation



~120,000 to 140,000 TW  
Ice Masses  
daily throughput, >95.5%

~3,000 to 5,000 TW  
Crust, Lithosphere  
Mantle: 50 TW

6<sup>th</sup> Ocean: 41 TW

→ [totrade.co/6a](http://totrade.co/6a)  
System Approaches Instability  
Energy Accumulates Beyond Buffering Capacity

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### ► Release

- Power Spikes
- Regional to Hemispheric Events

### ► Laws of Thermodynamics in Action

#### → First Law

- Energy conserved
- Input = Storage + Release.

#### ► Second Law

- Energy spreads and redistributes
- Systems move toward instability under load.

#### ► Third Law Context

- No system reaches zero motion
- Residual energy drives continuous dynamics.

#### ► Cosmic Tide Refined

- Valid concept
- External modulation exists

#### ► Correct Framing

- Cosmic particle flux variation over time
- Not a frequency wave

#### ► Constraint

- No Fixed Calendar, Last Events ≈ 7, 11.5, 18.5...ky BP
- High sensitivity in interpretation and release

#### ► System Truth

- No contradiction in physics
- Gap sits in terminology and scaling
- Particles & photons → Transfer → Storage → Threshold → Release
- Earth response
- System instability
- Not planetary flipping



### ► Testimony Alignment

- Human records preserve pattern memory
  - Epic of Gilgamesh
  - Book of Genesis
  - Adam & Eve Story, [totrade.co/ctb](http://totrade.co/ctb)
  - Quran
  - Rigveda
  - Serpent as oceanic encirclement

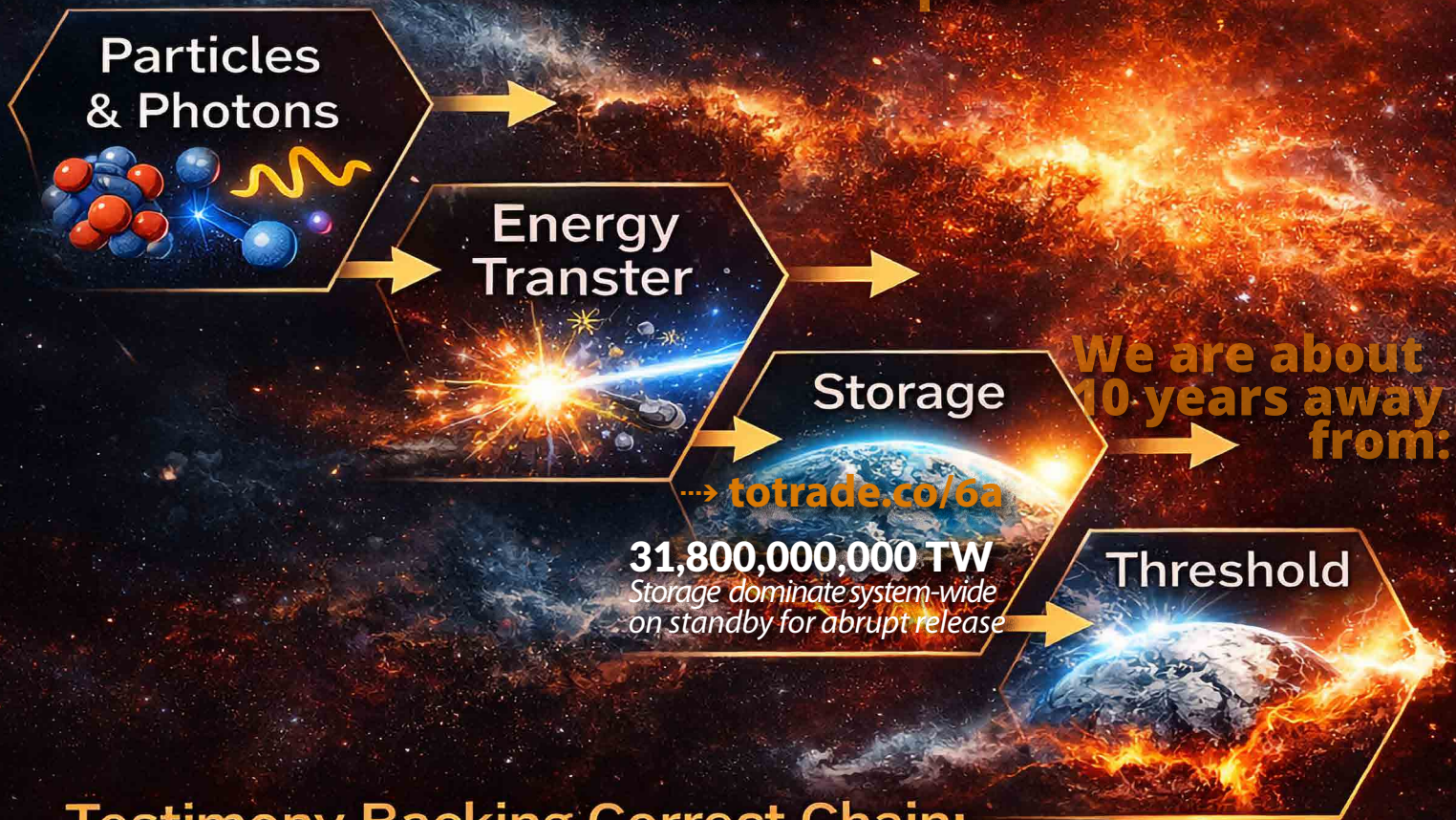
### ► All Shared Signals

- Floods
- Fire from Earth
- Darkness
- Land, Water and Atmosphere Transmit Power Differentials



[totrade.co/w18](http://totrade.co/w18)

# Particles and Photons → Energy Transfer → Storage → Threshold → Abrupt Release [totrade.co/p46a](http://totrade.co/p46a)



## Testimony Backing Correct Chain:

- Epic of Gilgamesh
- Book of Genesis
- Quran
- Rigveda
- Adam & Eve Story
- Buddhism First Seven Steps
- Nakha, Naga Serpent

## The Quran: Water and Flood Motifs

- The story of Nuh (Noah) and the great flood parallels other traditions, warning of global inundation.
- Verses about “the heavens and the earth joined together” and “splitting apart” (Surah Al-Anbiya 21:30) can be read as tectonic and cosmic references.



# Global Vulnerability Comparison

## Gulf Conflict

Human Conflict

## Crustal Surge

Earth Instability

**Regional Impact**  
Oil, Shipping, Finance

**Planetary Impact**  
Quakes, Eruptions

**Weapons & Fuel**  
Energy Source

**VS**

**Geophysical Energy**  
Internal Heat, Gas Release

**Gradual Escalation**  
Hours to Weeks

**Sudden Onset**  
Seconds to Days

**Infrastructure & Displacement**

**Land, Ocean & Atmosphere Shock**

**Threats Spread Through Systems**

**Threats Spread Through Earth Systems**



Unified Monitoring Network

Harden Critical Infrastructure



Drill for Multi-Hazard Events

[totrade.co/50a](https://totrade.co/50a)

Regional Conflict,  
Global Impact

Crustal surge hits land,  
ocean, and atmosphere at once.



[totrade.co/w20](https://totrade.co/w20)

# DUBAI

Built on illusion.



## DUBAI

- CO<sub>2</sub> NARRATIVE
- DEBT
- BORROWED LOYALTY
- EMPTY TOWERS
- SINKING ISLANDS
- CAR HEAT TRAP

## #UGDMN

- H<sub>2</sub>O ENTHALPY ENGINE
- GCR-READY
- EARNED BELONGING
- FULL OCCUPANCY
- WATER SOVEREIGNTY
- SPACE ACCESS

# #UGDMN

Built for survival. 100km

## Multi-Scenarios Global Solution



- HYDROLOOP
- MODUHAVEN
- AQUAHAVEN
- RESIGROW
- ARKNUKE
- GEOLOOP
- ORBITALLOOP
- IOS
- SAFEHARVEST
- BIOFORTRESS
- GREENVAULT
- SUPERLINE
- GAIAGRID
- AI DATA CENTERS

Dubai built on perception. #UGDMN builds on enthalpy, ownership, and civilizational survival.

[totrade.co/o](http://totrade.co/o)



[totrade.co/w21](http://totrade.co/w21)

# CURRENT FEWS SYSTEM RISKS



# TOTRADE™ FEWS SYSTEM

Food ♦ Energy ♦ Water ♦ Space



[totrade.co/p101a](https://totrade.co/p101a)



# Energy Security

## Solar & Wind Energy Scam

What it takes to match a 1 GW baseload plant?

**1 GW Firm Power @ 90% Capacity Factor**

**Powers ~ 1.08 MILLION HOMES** (20 kWh/day each)

> 80% China dominance



**1 GW Baseload**

**21.6 GWh / DAY**

**Consistent 24/7**



### SOLAR FARMS

Needed: ~**3.6 GW**

25% Capacity Factor

Daytime Only

Massive Storage Required



### ONSHORE WIND

Needed: ~**2.6 GW**

35% Capacity Factor

Variable Output

Backup Storage Needed



### OFFSHORE WIND

Needed: ~**1.9 GW**

45% Capacity Factor

Offshore  
Costly Build

Still Needs Storage

## ENERGY OUTPUT: NOT JUST CAPACITY

To match 1 GW baseload power:

≈ **3.6 GW of Solar + Storage**

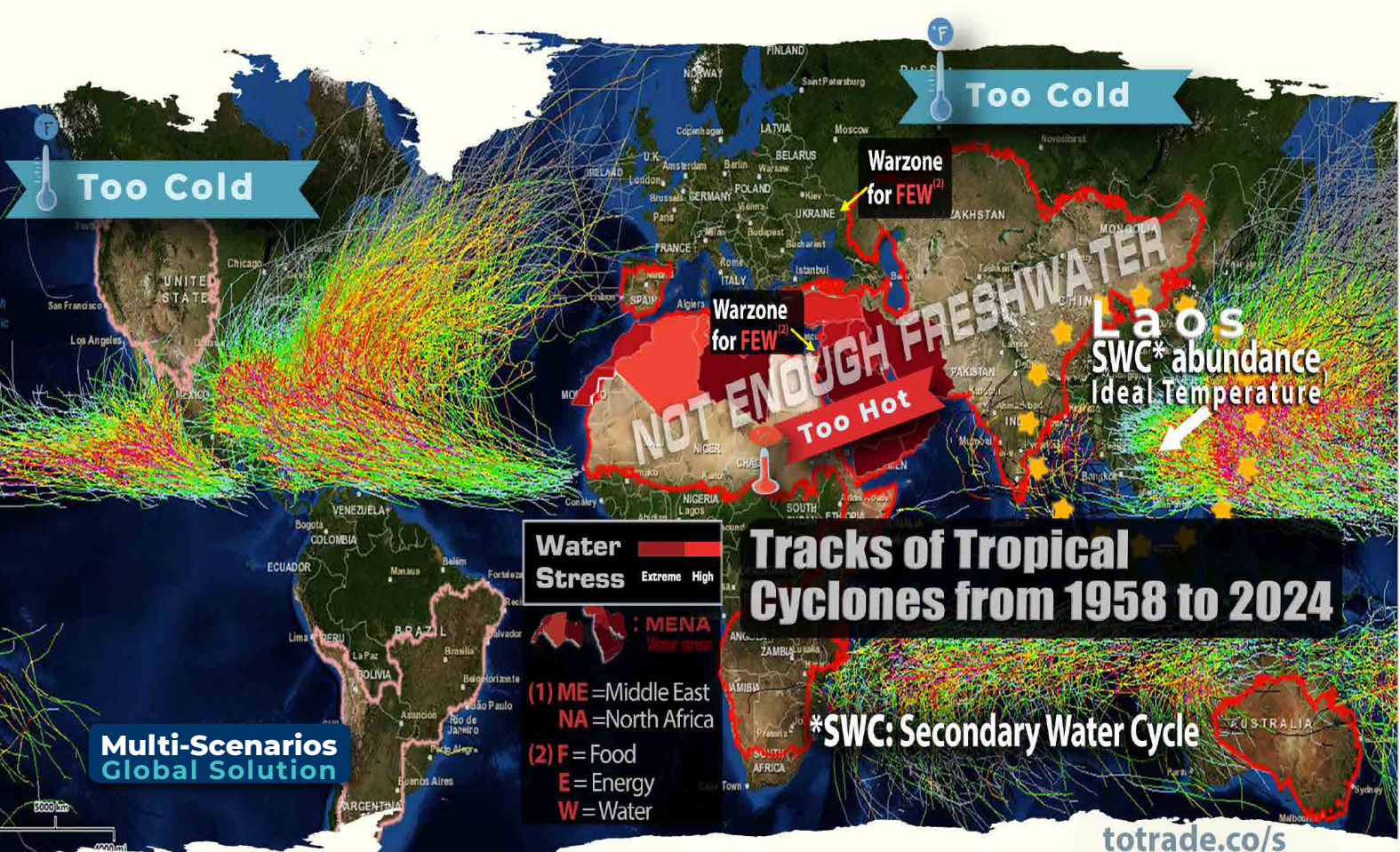
≈ **2.6 GW of Wind + Backup**

### Preparedness ≠ belief

- ▶ One system against all risks.
- ▶ Always useful, regardless of risk.
- ▶ Use physics, not narratives.

**PLUS** Massive Storage for Reliability

ພະລັງງານແສງຕາເວັນ ແລະ ພະລັງງານລົມ  
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# Laos: Resilient Nation Model

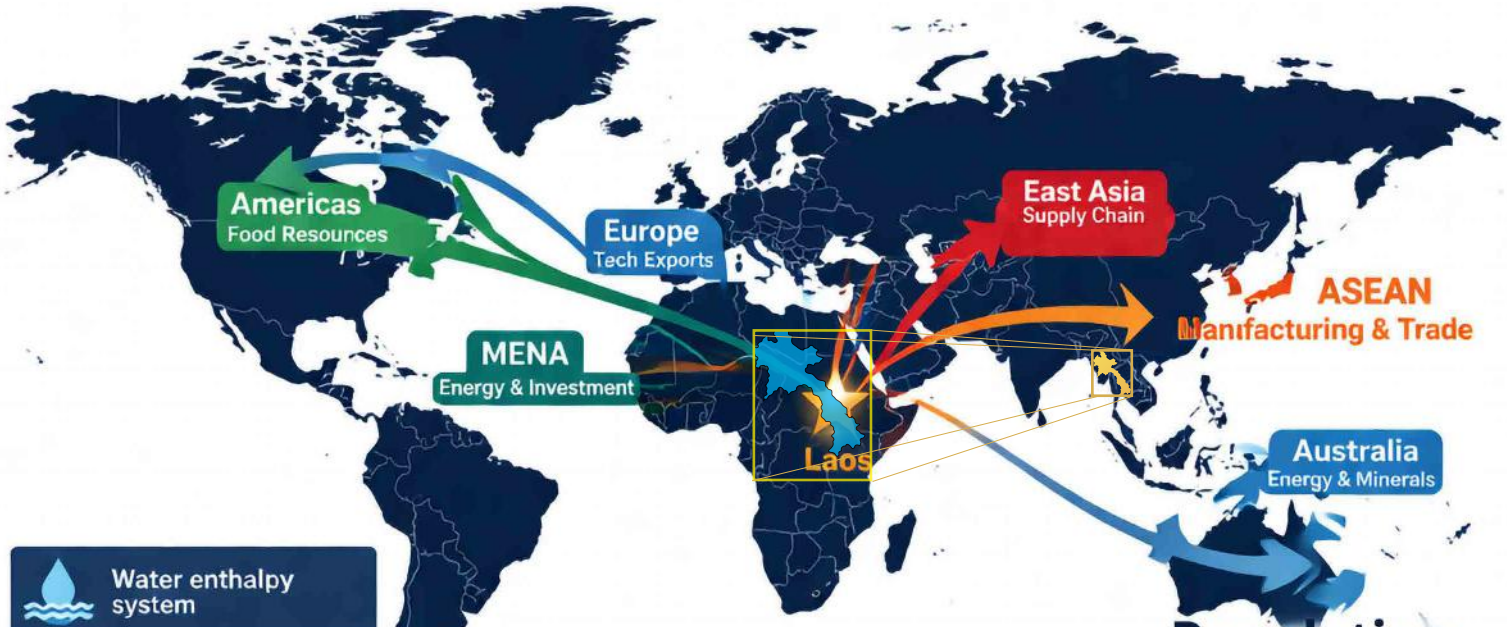
**“Battery of Asia” is now “Planetary Enthalpy Field”**  
**Launchpad to:**

- Strengthen water–energy balance
- Restore biodiversity through enthalpy stability
- Store and move enthalpy safely
- Deploy Clean Transport System
- Regulate climate through natural hydrology
- Integrate Water-Energy-Food-Space (FEWS) System.
- Accelerate transition to Type I Civilization,
- Spaceships, Moon, and Mars Terraform Readiness.

The starting point is the Secondary Water Cycle (SWC) system along the Mekong River Basin and its 13 tributaries in Laos. This region also holds unmatched Primary Water Cycle (PWC) capacity — fed by abundant rainfall, aquifers, and hydrological gradients.

Unlike Saudi Arabia with no rivers or India with polluted systems, Laos remains a pure hydrological core. Water’s enthalpy governs global temperature control, disaster resilience, and long-term economic stability.

# Laos: The Global Solution Hub



- Water enthalpy system
- Deep earth energy
- Mineral and food stability
- Hydroloop gravity kinetic system



**Population**  
**1.4B** China  
**1.4B** India  
**700M** ASEAN

- Climate risk reduction
- Disaster mitigation
- UN SDGs anchors
- Resource war prevention

**Cloud Seeding**  
 Operation Popeye Proven

- Pacific typhoons
- Indian Ocean monsoons
- Gulf of Thailand
- Regional evaporation
- Global jestrain
- Tibetan ice melt

**TOTRADE™**  
**FEWS SYSTEM**  
 Food • Energy • Water • Space

**Multi-Scenarios**  
**Global Solution**



Planetary Smart Grid Balance

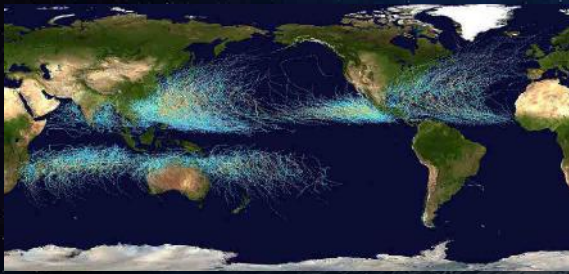
◀ To SW Asia  
**+420M**



**Geothermal push-pull delivery**  
 Cataclysm Cycle Exit Strategy  
 No high-voltage lines  
 On-site power generation

To Africa ▶  
**+1.5B**





**\$Billions loss per year:**  
In Asia-Pacific alone:  
Philippines-Vietnam-  
Cambodia-China-  
Laos-Thailand-  
Myanmar-Koreas-  
Japan...

# Typhoon Tracts

Before #UGDMN



## Pacific Ocean

- ~165 million km<sup>2</sup>
- ~32% of Earth total surface
- ~46% of global ocean area

**#UGDMN**  
System  
Guided Typhoons

**TOTRADE™**  
**FEWS SYSTEM**  
Food • Energy • Water • Space

# Multi-Scenarios Global Solution

# Hydroloop System for Deep-Earth Heat Management

Extract deep-Earth heat to regulate global cooling and heating over 10+ years

**TOTRADE™**  
**FEWS SYSTEM**

Food • Energy • Water • Space

Continuous Heat extraction  
over ~10 Years



[totrade.co/w27](https://totrade.co/w27)

# Misconception

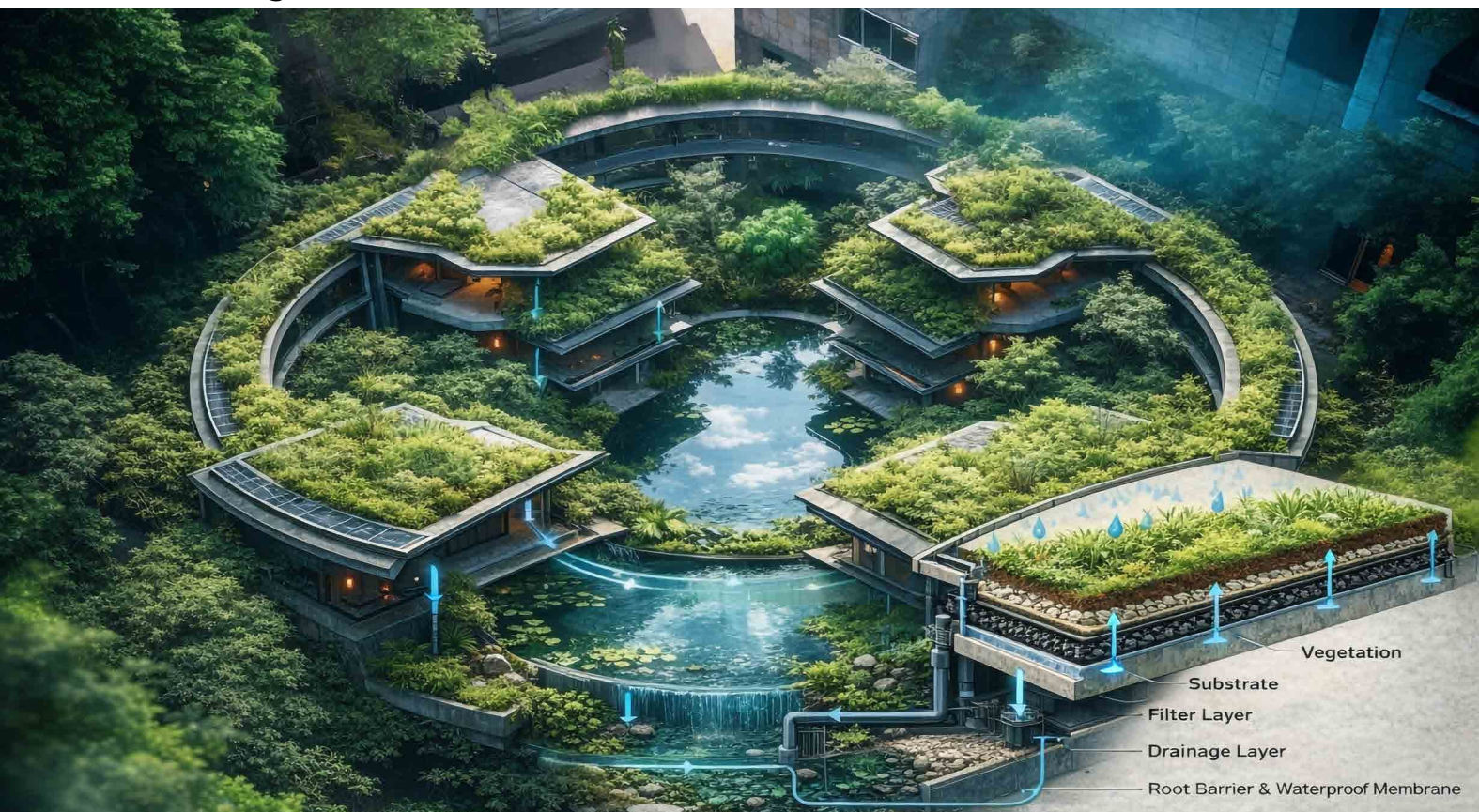


Poorly planned urbanization drives property speculation while cities sink into overcrowding, traffic gridlock, and insecurity. Large parts of the population remain without clean water, reliable energy, food, or job security. Rising inequality, rapid population growth, and intensifying GCR-driven climate extremes magnify these risks. Yet developers keep building concrete jungle in floodplains and hazard zones, ignoring cataclysmic events that have already erased past civilizations.

## Solution

Bold systemic action is essential. Housing must be built for resilience, not temporary relief. Safe, sustainable, prefabricated, mobile, and reconfigurable infrastructure,

engineered to adapt under stress, can end the cycle of failure, prepare communities for future risks, and cut waste of energy and time. With cataclysm estimated around 2036, delay is no longer an option.

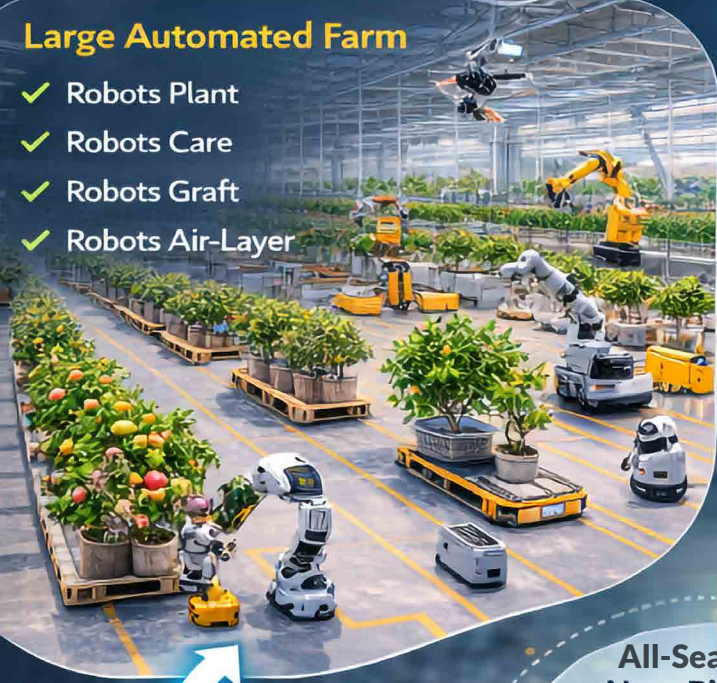


# Fully Automated Fruit Tree System

Planting • Caring • Grafting • Air-Layering • Delivery • Rotation

## Large Automated Farm

- ✓ Robots Plant
- ✓ Robots Care
- ✓ Robots Graft
- ✓ Robots Air-Layer



## Transport Autonomous Vehicle



## Deliver



## All-Season Near Ripe Fruits



## Prepare New Fruits New Varieties, Add Vegetables, Medicinal & High-Value Plants



## Consume



## Return Large Pots Grow More Trees



## New Trees Ready Expanding Coverage



## Transport on Road Mobile Charging



Autonomous



Robots



Sustainable



Efficient



Near Ripe Quality



[totrade.co/w29](https://totrade.co/w29)

IST™

TowerBonanza™

BioFortress™

# The perfect Line®

The optimal location is Laos, along 13 rivers connected to the Mekong. It integrates manufacturing, water initiatives, and The Hydroloop™—a proven alternative to the failed Hyperloop—while advancing true space programs.

As part of #UGDMN, The Perfect Line® can expand across Asia, MENA, the rest of the world, and beyond, delivering unlimited water, food, energy, clean transport, and space trade. It surpasses Saudi Arabia's "The Line" by enabling desert re-greening, climate stabilization, sea-level control, and protection against the next global cataclysm.

Multi-Scenarios  
Global Solution

ResiGrow™

ModuHaven™

Latent  
Enthalpy

AquaHaven™

SafeHarvest™

Hydroloop™

TerraShelter™



[totrade.co/w30](https://totrade.co/w30)

# Infinite Resources. Limitless Energy.



Moon Terraforming Base



OrbitalLoop™

HydroSpace™  
enthalpy system



Cosmic Energy Harvesting Sail



Mars

Solar Output  
173,000 TW

## Laos Mountain Range

Power Station

ModuHaven™  
Green Towers

Hydroloop™  
Transport Channels

Hydroloop™  
Waterfalls

Cool fluid injected

Zero reservoir contact.  
No induced seismicity.  
No mineral scaling.

Superheated fluid returned

### Latent Enthalpy

Depletion risk.  
Seismal induction.

Seismic induction.  
Mineral scaling.  
Finite lifespan.

### GEOLOOP™ DELIVERY STACK

- Continuous power for cities and industries
- Heat transferred from Earth interior, cooled at stratosphere via Hydroloop™
- Gravity and kinetic energy converted locally
- Water supply for desert greening and agriculture
- Sea-level management and flood mitigation
- Clean transport network via Hydroloop™
- Feeds OrbitalLoop™ and IOS space access W

### #UGDMN Universal Enthalpy Order

- H<sub>2</sub>O Enthalpy Engine**  
regulates 95% of all planetary energy input
- GCR-Ready Infrastructure**  
built to survive 2036 flux peak
- Earned Belonging**  
workers own, build, and stay
- Full Occupancy**  
every floor serves a purpose
- Water Sovereignty**  
atmospheric, river, and deep-Earth sourcing
- Space Access**  
OrbitalLoop and IOS connect ground to orbit

OPEN LOOP	GEOLOOP™ CLOSED LOOP
Fluid	Sealed
Reservoir depleted	Reservoir intact
depleted	Zero seismic induction
Seismic risk	No scaling
Scaling	No scaling
Finite	Perpetual

Conceptual array – sealed closed loop.  
Heat absorbed conductively. No fluid exchange.

500°C rock. Energy stored for centuries.  
Controlled bleed. On demand. Forever.

1,000 m  
60°C

3,000 m  
200°C

5,000 m  
500°C

Earth Internal Power:  
31,800,000,000 TW  
per 6-day pulse

Surface Ocean Power:  
41,900 TW

GeoLoop™ controlled extraction  
reduces abrupt enthalpy release

Cataclysm prevention  
begins here

Multi-Scenarios  
Global Solution



Systems that do not borrow from tomorrow. | GeoLoop™

Heat and Energy on demand. No wells. No fluids. No surprises.



[totrade.co/w31](https://totrade.co/w31)

## At a Glance

#UGDMN Energy directs hydrocarbon flows to power #UGDMN implementation across food, energy, water, and space systems. Focused on crude oil and refined streams, we secure, allocate, and deploy supply where infrastructure buildout and system integration demand it most.

We request system leaders to align with refineries, suppliers, logistics, and traders to channel hydrocarbons into construction, transport, and energy modules that scale #UGDMN rapidly across regions.

Fuel #UGDMN deployment with targeted hydrocarbon supply, integrated execution, and precise operational control.

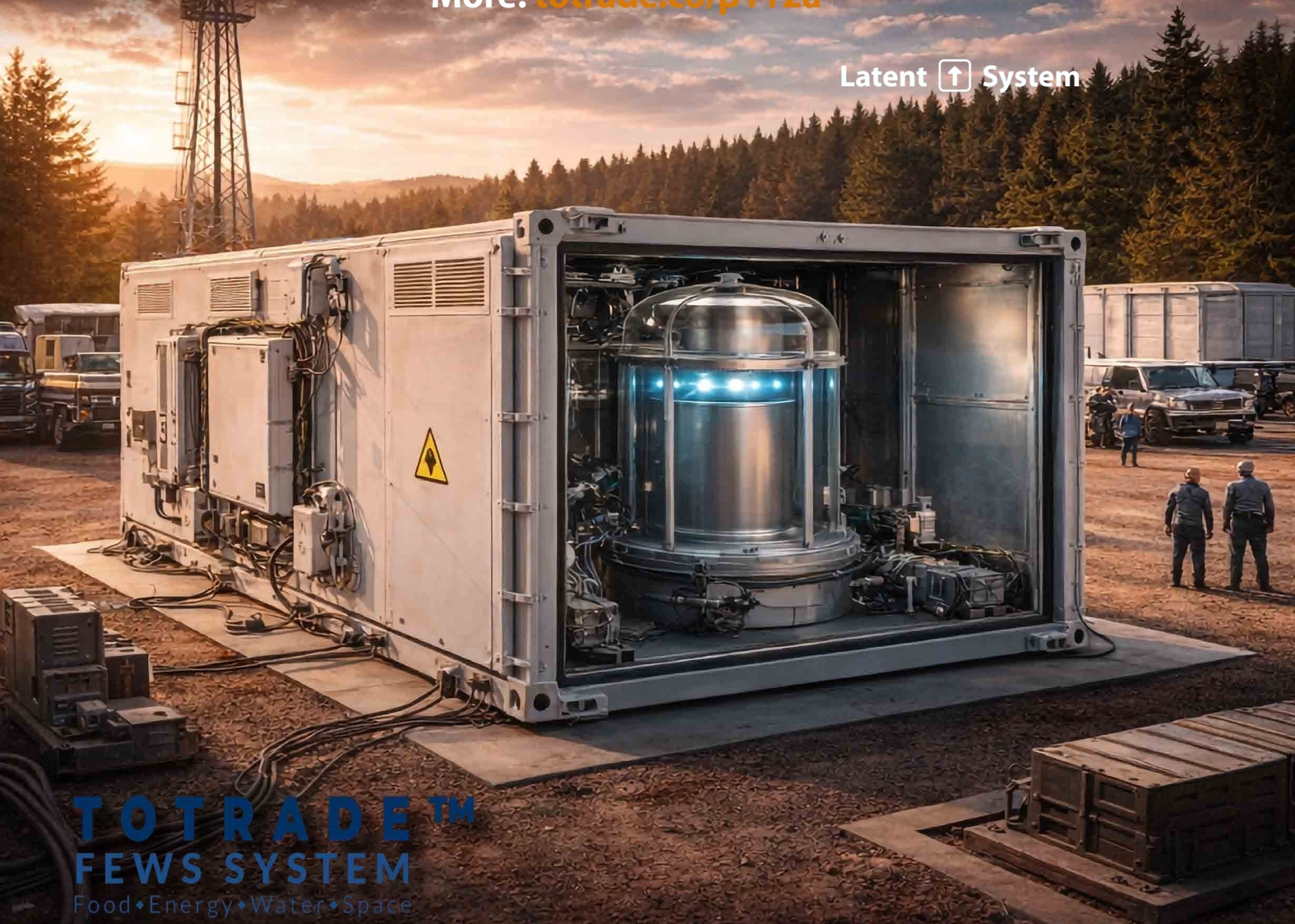


# ArkNuke™

Fast-Fission High-Assay Low-Enriched Uranium (HALEU)  
Powered Mobile Nuclear Reactor

More: [totrade.co/p112a](https://totrade.co/p112a)

Latent  System



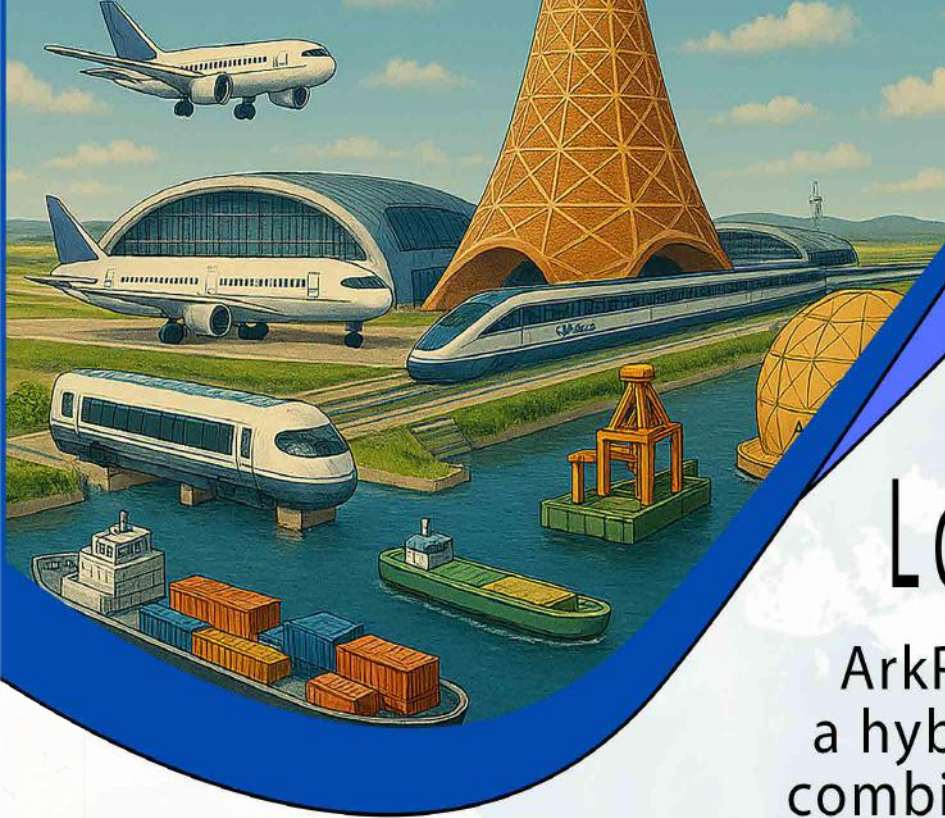
**TOTRADE™**  
**FEWS SYSTEM**  
Food • Energy • Water • Space

- ✓ **Inherently safe:** #UGDMN universal all-risks maximum Safety standard
- ✓ **No refueling:** Provides clean power electricity for up to 20 years
- ✓ **Versatile:** Off-Grid: Remote #UGDMN site deployment, data centers, Off-Planet infrastructure
- ✓ **Plug-and-play:** Fast #UGDMN deployment: ModuHaven™, EcoArk™, ResiGrow™, GreenVault™, ArkPort™, Ark2036™, GaiaGrid™, DesertGrow™, SuperLine™, Hydroloop™, HydroSpace™, OrbitalLoop™, ...

Ready for the next **Abrupt Threshold** and rapid world reconstruction and real Space Program.



[totrade.co/w33](https://totrade.co/w33)



# Integrated Global Logistics Hub

ArkPort™ will serve as a hybrid infrastructure combining airport, seaport, dryport, and arkport capabilities. It supports seamless global connectivity across:

- Airplanes (cargo and passenger)
- Railways including High-speed trains
- Ships and floating logistics
- Waterways logistics
- Modular arks, climate-resilient transport and shelter
- Spaceport for cheap and low cost Space Exploration

Unlike traditional airports, ArkPort™ includes docking systems for disaster-resilient arks. These arks carry food, water, shelter, and medical systems, enabling rapid deployment during emergencies or climate events.

**TOTRADE™**  
**FEWS SYSTEM**  
Food♦Energy♦Water♦Space

Multi-Scenarios  
Global Solution



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# OrbitalLoop™

FEWS System in Space

MOON:  
Terraforming Base

## HydroSpace™

Water Enthalpy System in OrbitalLoop™

EARTH ORBITAL RING

MARS:  
& BEYOND

HYDRO & GEOTHERMAL POWER

ARKNUKE™

ADVANCED  
AI DATA CENTERS

LIQUID COOLING

GEOTHERMAL  
RESOURCES

Multi-Scenarios  
Global Solution

TO THE MOON • TO MARS

INFINITE RESOURCES • LIMITLESS ENERGY

COSMIC  
ENERGY  
HARVESTING



[totrade.co/w35](https://totrade.co/w35)

**IST™**

**International Space Tower**

100 km

Karman Line – coldness reservoir

**Multi-Scenarios  
Global Solution**

Tropopause – maximum heat exchange zone  
~16–17 km

International & Corporate Bases

Himalayan plateau

10 km

Tyranny of the Tsiolkovsky rocket equation solved

Silver Iodide Cloud Seeding  
Lao plateau

**Tapered Tower 0–100 km**

Heat Exchange and Power Generation

**Laos: Atmospheric Water Hub**

**Hydroloop Transport System** →

Atmospheric Water Collection Reservoir



Cold water export

Freshwater pipeline

Renewable electricity grid

**MENA corridor** – greened multi-layer forests imported from Laos



[totrade.co/w36](https://totrade.co/w36)

# IOS™

## International Orbital Station

### Earth-Moon-Mars Rapid Transport System

→ [totrade.co/p153a](https://totrade.co/p153a)

100 km

### Himalayan plateau

### IST™

### International Space Tower

### Lao plateau

#### IST™ to IOS™ Rapid Transport

- ~100km Earth-LEO Tower
- Sufficient Space for All Nations
- Hydroloop™ Integrated System
- Power Generation System
- Multi-System Internal Transport
- Off-Rocket Phase-Change Propulsion
- Tyranny of the Tsiolkovsky rocket equation solved
- Cataclysm-Ready Infrastructure

#### All Nation Solution

## Multi-Scenarios Global Solution



DISCOUNT ACCESS  
TO SPACE



SECURED IP ZONES



LIMITLESS  
CLEAN ENERGY

#### Climate Stabilisation



#### Infinite Resources



#### Planet Restoration



[totrade.co/w37](https://totrade.co/w37)

# IOS Moon™

International Orbital Station-Moon

~50 km  
altitude

Multi-Scenarios  
Global Solution

Tyranny of the Tsiolkovsky rocket  
equation solved

IOS Moon™ Robot-built. Human-ready.



[totrade.co/w38](https://totrade.co/w38)

# Payment System Fit as #UGDMN Financing System Mechanism Facilitating it Rapid Deployment

**ZED PAY** White Label: [totrade.co/zp](https://totrade.co/zp)



Summary: [totrade.co/zpa](https://totrade.co/zpa)



[totrade.co/w39](https://totrade.co/w39)

# Expanded Settlement Framework

From BRICS Unit to Off-Planet Capacity Trade System

## BRICS UNIT SYSTEM



40% GOLD LOCK



CENTRAL CLEARING

\$250B UNITS

## LIMITS OF GOLD COLLATERAL



GOLD FLOODING MARKETS



GOLD PRICE CRASH

## TOTRADE SETTLEMENT UNIT



FOOD



WATER



ENERGY



INDUSTRY



MEDICAL



REBUILD

## CATACLYSM RESILIENCE INDEX



EARTHQUAKES

FLOOD CONTROL

ENERGY INDEPENDENCE

SPACE PROGRAM

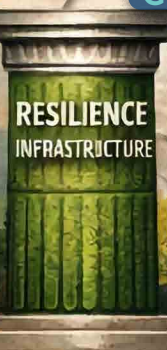
RESILIENCE INFRASTRUCTURE

## GLOBAL SETTLEMENT ARCHITECTURE

Multi-Scenarios  
Global Solution



WAR



WAR  
CREDIT  
SCORE LOSS

CREDIT  
SCORE  
GAIN



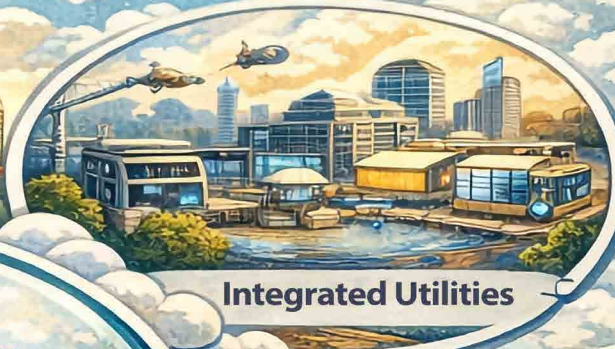
[totrade.co/w40](https://totrade.co/w40)

# A Unified Platform for a Type I Civilization

Building Autonomy, Sustainability & Resilience for a Better Future



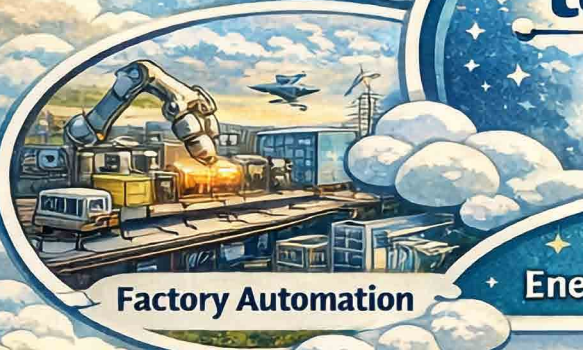
Automated Farming Systems



Integrated Utilities

**totrade.co/o**

A Platform for Unified Agreements



Factory Automation

Coordinating Food | Water  
Energy | Housing | Finance



Ecological Restoration



Modular Infrastructure Fast, Economical  
Less waste, continuous Upgrade



Space Exploration

Multi-Scenarios  
Global Solution



Limitless Power/Resources

Accelerating the Transition to a Space Age Economy  
A Rising Company for a Resilient Civilization



Flood



Fire



Tsunami Seismic



Large scale Disaster



Conflict Escalation

Equity Participation for Early Supporters



Investors Can Secure Equity Ownership in a Dubai-Based Company of Rising Value



totrade.co/w41

# Upgrading Settlement Framework

## Totrade Tokenization Model



# #UGDMN To Vietnam Expanding to Qatar

Multi-Scenarios  
Global Solution

LAOS

#UGDMN Corridor

South China Sea

Latent Enthalpy

QATAR

## Freshwater Source

The **Hydroloop™ System**, [totrade.co/lao](http://totrade.co/lao), supplies renewable freshwater via a pressurized pipeline to a Vietnamese deep-sea terminal which will expand across Vietnam.

## Loading & Transport

Tankers that discharge crude or LNG in East Asia dock at #UGDMN port on the return leg. There, they're decontaminated and loaded with **nutrient-rich freshwater**.

### Nutrient Profile of Lao Rainwater

- Rainwater in Laos carries natural nitrate ions ( $\text{NO}_3^-$ ) and trace minerals from forest canopy and soil runoff.
- Ideal for agroforestry due to balanced pH, low salinity, and organic nutrient content.
- Farmers in Laos report 30–40% higher rice yields using rain-fed systems.

**Tankers revenue calculation for a VLCC (Very Large Crude Carrier) returning to Qatar with freshwater instead of empty:**

## Receiving & Distribution

Totrade Group constructs Hydroloop™ System intake hubs at Qatar, implement #UGDMN, spec: [totrade.co/pdf](http://totrade.co/pdf), for Qatar.

## Financial Model (Indicative)

- Freshwater Export Price: \$0.25/m<sup>3</sup>
- Delivered Cost (Qatar), negotiable: \$0.35/m<sup>3</sup>
- **Benchmarks:**
  - Desalination: \$0.80 to \$1.50/m<sup>3</sup>
  - Nutrients: \$0.10 to \$0.20/m<sup>3</sup>
  - TOTAL: ~\$0.90 to \$1.70/m<sup>3</sup>**
- Extra Tankers revenue: **\$150 million/year**

### Baseline

- VLCC capacity: ~300,000 m<sup>3</sup>
- UGDMN export price: \$0.25/m<sup>3</sup>

### Revenue per voyage

$$300,000 \text{ m}^3 \times \$0.25 = \$75,000$$

### Annual revenue (20 voyages)

$$\$75,000 \times 20 = \$1.5 \text{ million}$$

### Fleet potential

$$100 \text{ VLCCs/year} = \$150 \text{ million/year.}$$

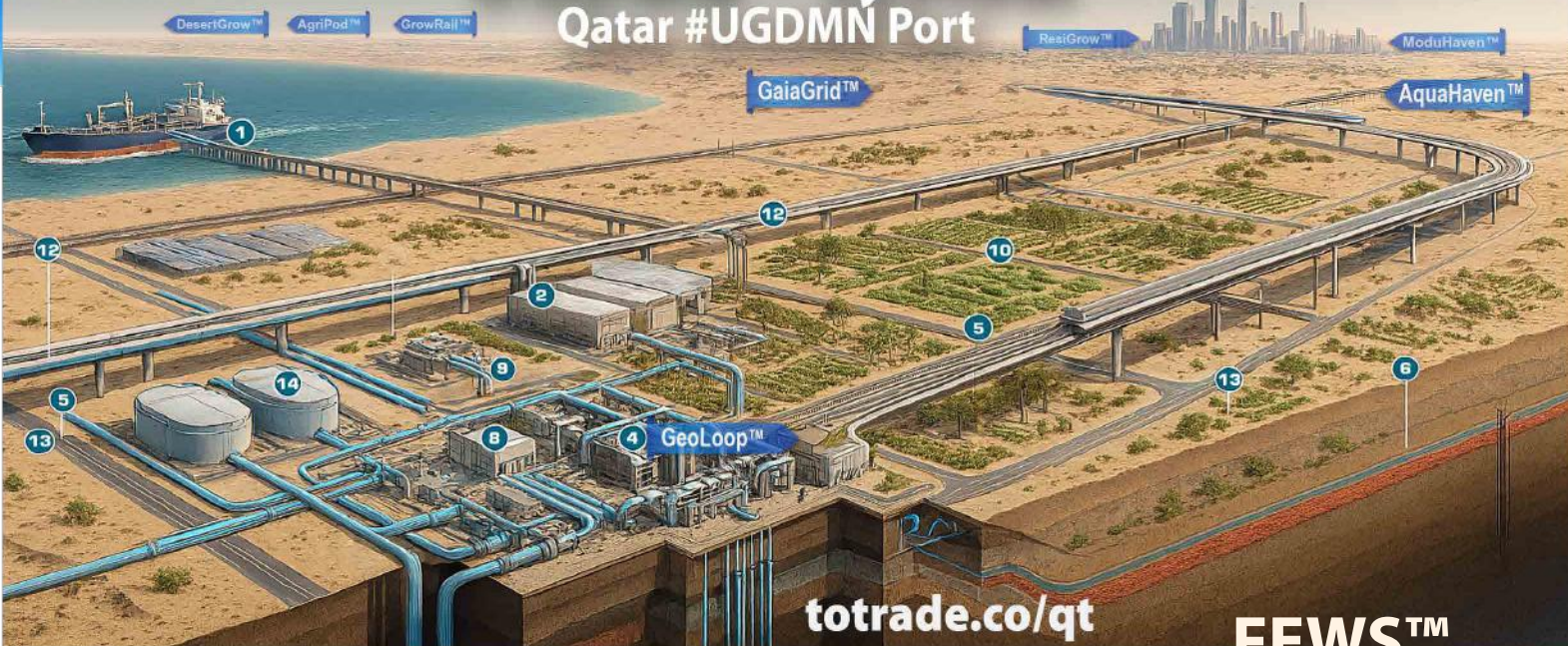
**This turns a zero-revenue return leg into profit.**



[totrade.co/w43](http://totrade.co/w43)

# UGDMN™ System

## Qatar #UGDMN Port



- |                       |                          |   |
|-----------------------|--------------------------|---|
| 1 Freshwater import   | 7 Aquifer extract/refill | 13 <b>Trees Planting:</b> GrowRail™, AgriPod™, DesertGrow™.                         |
| 2 Storage Tanks       | 8 Recycling Units        | <b>Food:</b> TerraOne™, SafeHarvest™, ResiGrow™, ModuHaven™, AquaHaven™, GaiaGrid™. |
| 3 Primary Water Cycle | 9 Cooling System         | 14 <b>Adapt2036™:</b> Ark2036™  |
| 4 <b>GeoLoop™</b>     | 10 Trees Storage         |   |
| 5 <b>Hydroloop™</b>   | 11 Underground Line      |   |
| 6 Hot Water           | 12 Return used water     |   |

## Food-Energy-Water Security (FEWS)

**The MENA Qatari #UGDMN System is a strategic FEWS infrastructure designed for continuity beyond Cataclysm.**

It begins by importing freshwater from Laos, transported via high-capacity tankers to Qatar's dedicated intake hubs. This initial supply ensures rapid system activation and **storage** in insulated **reservoirs**.

Once operational, the system transitions to tapping the Primary Water Cycle (PWC) through Hydroloop™ GeoLoop™ technology.

Used water from distribution networks is reinjected into deep geothermal zones. This process creates pressure, drives hydroturbines for electricity

generation, and, after cooling, returns as clean water. The cycle repeats continuously, delivering a 24/7 supply of water and renewable energy.

The Hydroloop™ network integrates three core functions:

- Food Energy, and Water Security (FEWS): Continuous and Circular FEWS-Tree Surplus for cities, nations, and space programs.
- Climate and Environmental Resilience: Supports desert greening, reforestation, aquifer recharge, and river restoration on Earth and beyond.
- Clean Transport: Hydroloop™ Transport on Earth and beyond.

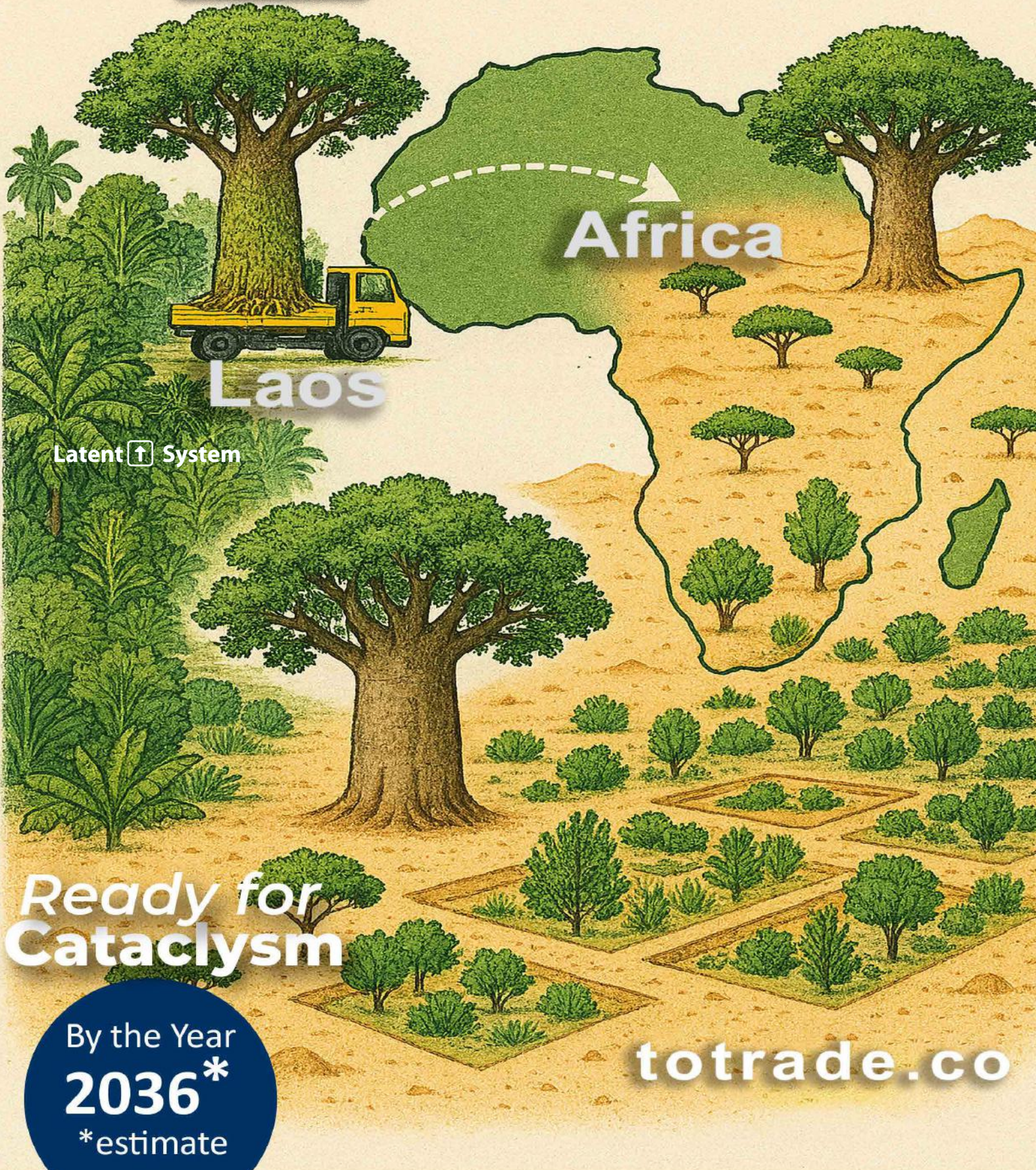
**Multi-Scenarios**  
Global Solution



[totrade.co/w44](https://totrade.co/w44)

# Planting Prosperity Trees as the New Economy

Multi-Scenarios  
Global Solution



Laos

Africa

Latent ↑ System

Ready for  
Cataclysm

By the Year  
**2036\***  
\*estimate

[totrade.co](http://totrade.co)



[totrade.co/w45](http://totrade.co/w45)

# GrowRail™



Multi-Scenarios  
Global Solution

Latent  
Enthalpy

## 🌿 Trillions Trees Growing in the Middle East & Africa

#UGDMN™ introduces a **large-scale tree-growing** initiative in Laos for the **Middle East and Africa**, powered by advanced systems designed for climate resilience and biodiversity restoration. Laos will serve as the source of diverse rainforest species—including understory, canopy, and emergent layer trees—along with exotic Southeast Asian fruit species. These trees will be transported and adapted safely through the #UGDMN™ System, which integrates four key components:

- **GaiaGrid™**: Rainforest domes that acclimatize and progressively adapt trees to new conditions while ensuring readiness for rapid safeguard against cataclysmic events.
- **GrowRail™**: A climate-controlled rail transport system that maintains optimal temperature, humidity, and light during long-distance land transit.

- **AgriPod™**: Mobile, self-contained pods equipped with advanced control of humidity, light, and temperature, enabling safe transfer from rainforest to arid environments.
- **DesertGrow™**: A per-species protection framework replicating Southeast Asian rainforest microclimates in desert regions, ensuring long-term growth and resilience.

This system enables **MENA nations to green vast desert areas, restore biodiversity, secure new food and water sources**, and generate sustainable livelihoods.

**By linking Southeast Asia's rich biodiversity with Africa and the Middle East, #UGDMN™ establishes a scalable pathway toward planetary climate stabilization.**

Reference: [totrade.co/pdf](https://totrade.co/pdf)



[totrade.co/w46](https://totrade.co/w46)

# Cataclysm Preparedness

## Rapid & Scalable Green Recovery for MENA

### Multi-Scenarios Global Solution



Tree Business  
[totrade.co/18](https://totrade.co/18)

## Innovative Climate Solutions for Post-Cataclysm

1. **HydroChill™** – Water-Cooled AC for Warehouse Climate Control. **HydroChill™** uses water-based cooling to efficiently regulate temperatures in large facilities, reducing energy consumption and enhancing indoor climate stability.

2. **LightGrow™** – 24/7 Light Energy  
**LightGrow™** provides continuous, spectrum-optimized lighting to support plant growth around the clock.

### 3. Smart AI Dashboards

Real-time monitoring of **DesertGrow™** temperature, energy and nutrients usage, and plants status ensures transparency, efficiency, and rapid response across logistics and plants growing stages.

### Post-Cataclysm Ready

**DesertGrow™** is a revolutionary approach that transforms arid landscapes with rapid redeployment using the **Hydroloop™** System, **Adapt2036™**.

### Efficient Water Delivery

Delivered via Laos–MENA tankers to intake hubs. From there, cooled water circulates through insulated underground pipes to hydrate plants efficiently, reduce evaporation, and enhance plant performance.



## MENA Resilience with Ark2036™

### ◆ **GrowGrid™: Portable Food Forests**

High-yield, high-value food crops-trees, minimal soil using pots on secure, palletized platforms, for storage, transport, and rapid deployment.

### ◆ **GrowRail™: Prefab Railgreenhouses**

Prefabricated at scale in Laos, designed for rapid plant protection and deployment, ensure:

-  Transport by rail across ASEAN to MENA
-  Seamless loading onto **Ark2036™**

### ◆ **Strategic Investment for MENA**

Commercial gateway to resilient ecosystems and post-cataclysm growth.

-  Restore the Green Belt rapidly across MENA
-  Own high-value biological assets (seeds, plants, nutrient blends)
-  Profit from sustainability-linked exports from MENA after disruption
-  Secure food, medicine, and biodiversity reserves globally and beyond.

**Ark2036™** and ToTrade **Adapt2036™** form the backbone of a future-ready green economy, engineered for survival, designed for prosperity.



[totrade.co/w47](https://totrade.co/w47)

# Solar System Restoration Command (SSRC)

Planetary Cleanup and Asteroid Defense

All Trash  
Solar Incineration

Space Debris  
Solar Incineration

Without action, our solar system becomes a waste system we refuse to accept.



[totrade.co/w48](https://totrade.co/w48)

# Protected Plateau Infrastructure in Laos

## Cataclysm Shield: Eastern Barrier System

Laos

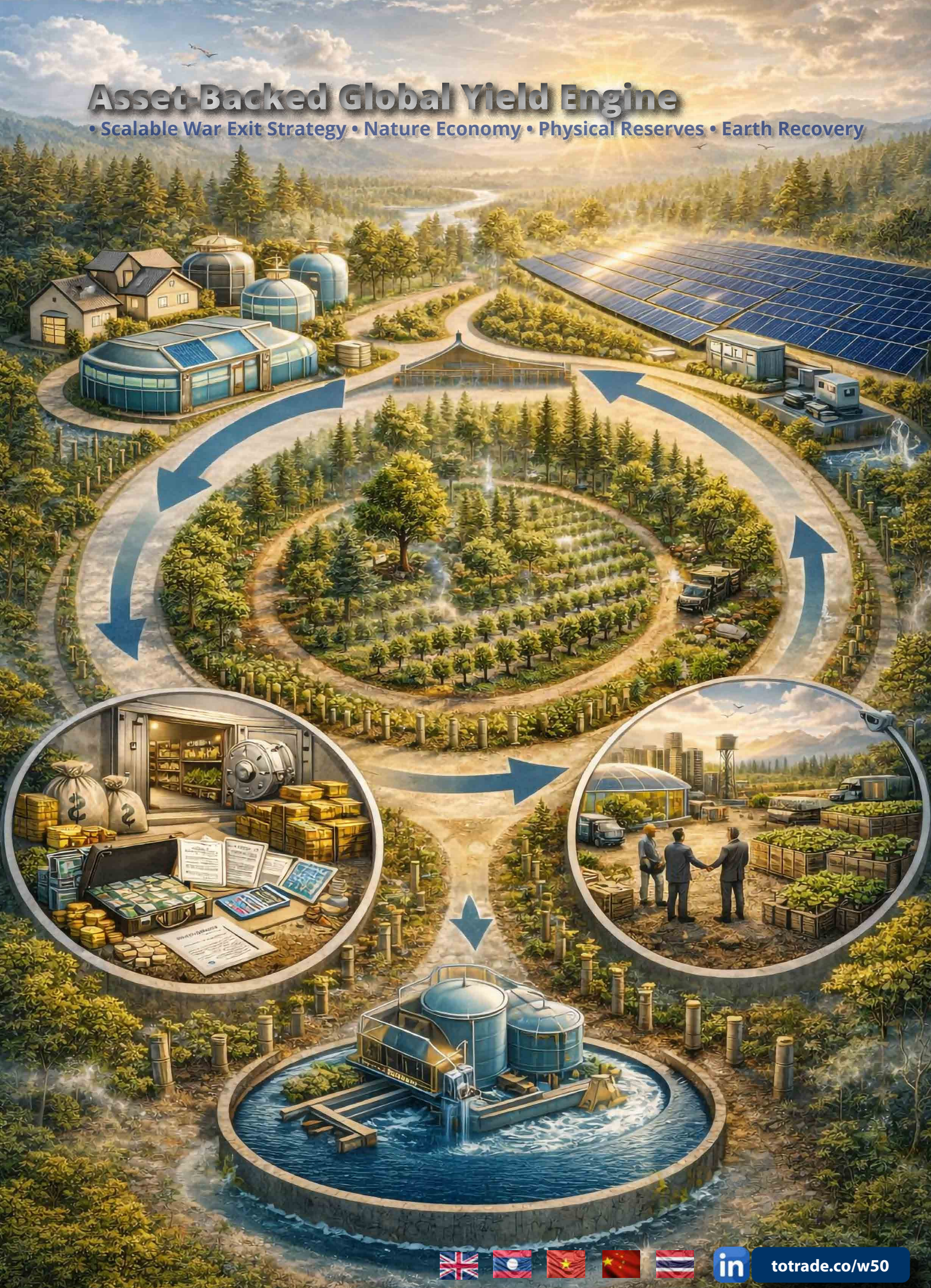
Thailand



[totrade.co/w49](https://totrade.co/w49)

# Asset-Backed Global Yield Engine

• Scalable War Exit Strategy • Nature Economy • Physical Reserves • Earth Recovery



[totrade.co/w50](https://totrade.co/w50)

100% ACCURATE

# #UGDMN Universal Galactic Disaster Mitigation Nexus



Applicable to all planetary types, moons, stars, and artificial structures.

By The **Live-Life Man.**

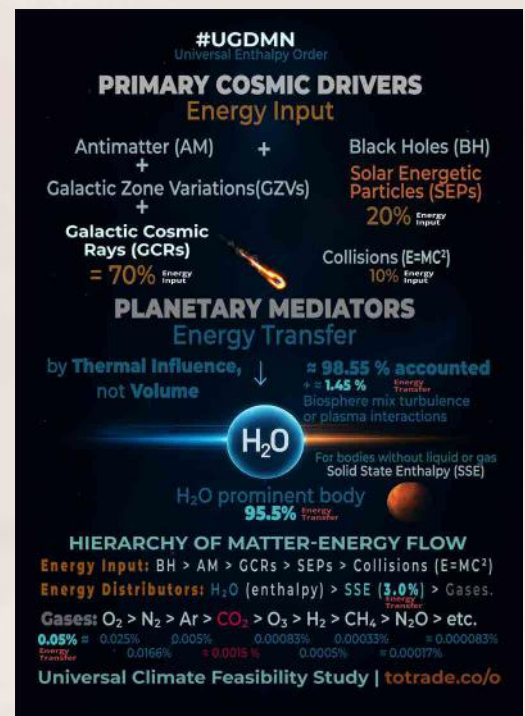
For **The World,**  
Owned By **The World.**

High Resolution

- Acrobat and
  - InDesign Editable
- [totrade.co/hr](http://totrade.co/hr)

#UGDMN

- ▶ One system against all risks.
- ▶ Always useful, regardless of risk.
- ▶ Use physics, not narratives.



IDEAL FOR  
Portrait Mode  
in Fullscreen



[totrade.co/w51](http://totrade.co/w51)