



# The Tabbre Project

Solving the Climate Crisis  
&  
Ending Global Poverty

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# Problem:

The scale of the energy transition is huge!

## Scale of problem 2024

Now 20% developed world standard of living & 80% of world very poor:

- 12 billion tonnes of coal, oil and gas
- 44 Giga tonnes of CO<sub>2</sub>
- 15 Terawatts Power

1 million square kilometres of solar panels is needed to provide the equivalent energy.

## Scale of problem 2070

100% at developed world standard of living & 0% of world very poor:

- 48 billion tonnes of coal, oil and gas
- 176 Giga tonnes of CO<sub>2</sub>
- 60 Terawatts Power

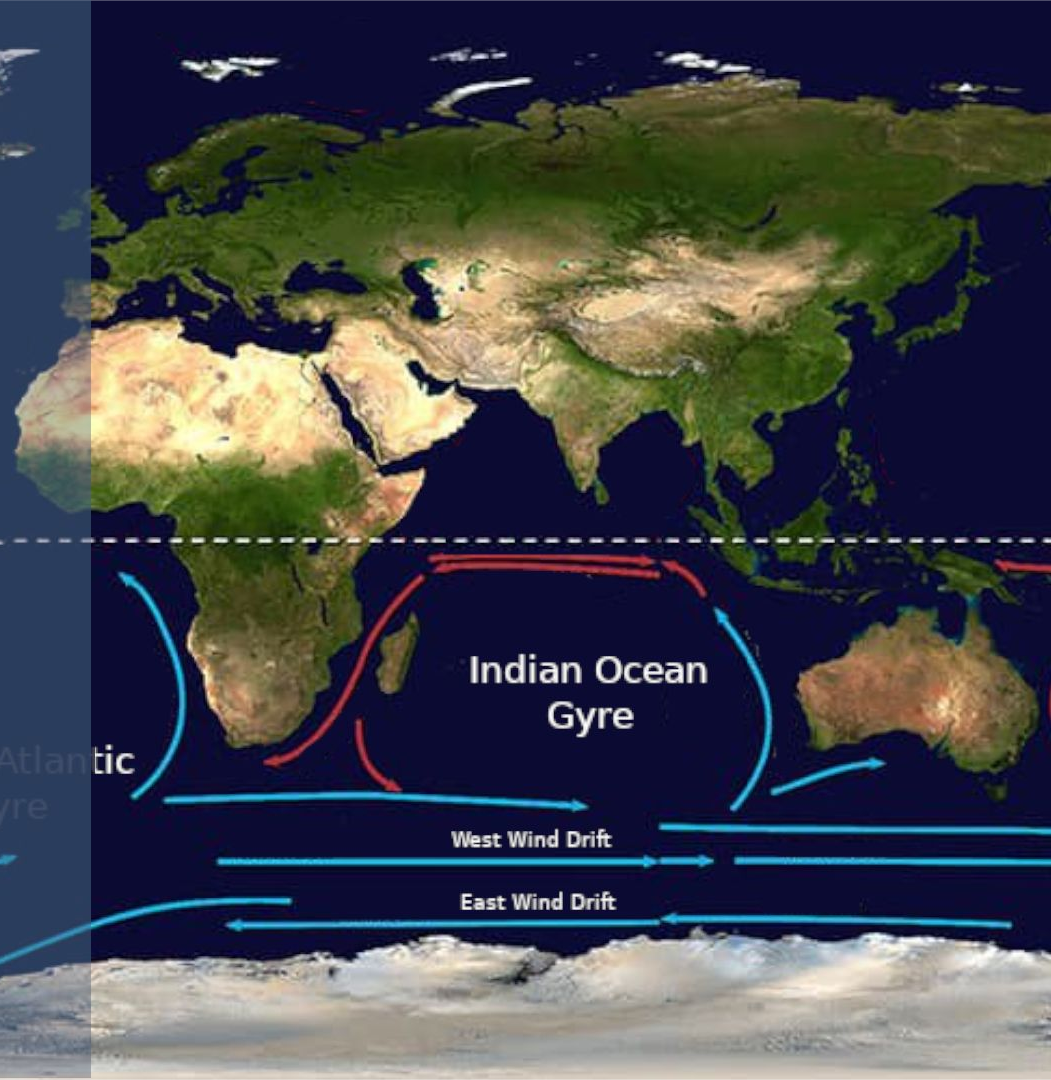
4 million square kilometres of solar panels is needed to provide the equivalent energy.

The scale of this challenge is being ignored by the media and policy makers

*What do you think?*

# Solution: Floating solar farms

- Located in the oceanic gyres of the southern hemisphere
- Sterile, sunny, deserted, calm, current free tropical waters
- Electricity used to electrolyse water into hydrogen
- Hydrogen used to make
  - Methane ( $\text{CH}_4$ ) Using carbon dioxide from the air
  - Ammonia ( $\text{NH}_3$ ) using nitrogen from the air
- Liquefied and shipped worldwide





## Why **floating** solar?

- Solar rafts will be very cheap
- Made of plastics
- Use cheap perovskite PV collector
- The oceanic gyres are deserted tropical waters with no plant life or fish
- The oceans cover 310 million square kilometers. Only 0.1% required to meet today's needs

**Grid electricity costs 35c per KWh in California**

**Solar raft electricity will be a 0.005c per KWh**

# Why hydrogen, ammonia & methane?

**An unlimited supply of zero carbon fuel at a fraction of the cost of today's fossil fuel**

**Hydrogen** is easy to produce and can be used to make ammonia and methane.

Hydrogen can also be used directly as a fuel.

**Methane** aka natural gas is the hydrocarbon of choice for the petrochemical industry:

- It's pure - no sulphur or other inconsistencies
- It can be used to make plastics
- It can be converted into: petrol, diesel, paraffin and pure carbon

**Carbon in the methane is extracted from air**

This will make the transition to renewable energy much easier and cheaper.

We don't need to electrify everything:

- Cars, trucks and buses and planes will all still use petrol, diesel and paraffin
- Steel mills will use recyclable carbon

**Ammonia** is the most widely used non hydrocarbon and is used for fertilizers. It can also be used as a clean fuel for the generation of low cost electricity.

**These will all be carbon neutral**

# How will floating solar farms work?

- The floating solar farms consist of buoyant, lightweight, flexible, recyclable rafts that support a flexible perovskite based PV cell
- The generated solar electricity is used to electrolyse water to produce hydrogen
- Automated harvesters collect hydrogen from the rafts and deliver it to factory ships, where it is converted into ammonia or methane
- Gas transporter ships rendezvous with factory ships and tranship hydrogen, ammonia and methane
- The transporters deliver their cargos to destination ports located close to consumer markets





# Global **Market Opportunity**

Global energy market is 6 trillion USD (6% of global GDP) and growing

## Hydrogen

- 95 Mt (million tonnes) in 2022. Growing at 3% pa
- Market at \$190 bn to \$285 bn pa
- Over 99% produced from coal and natural gas

## Ammonia

- Ammonia is the feedstock for fertilizer production
- 170 Mt (million tonnes) at \$45 bn to \$55 bn pa

## Liquefied Natural Gas (methane)

- 400 Mt (million tonnes) in 2023. Growing at 3% pa
- Market at \$300 bn pa

Tabbre's production costs will trend towards zero with automation and recycling.

**Tabbre will be the lowest cost producer, enabling market leadership.**



# TABB & BRE crypto currencies

**TABB & BRE will be backed by energy**

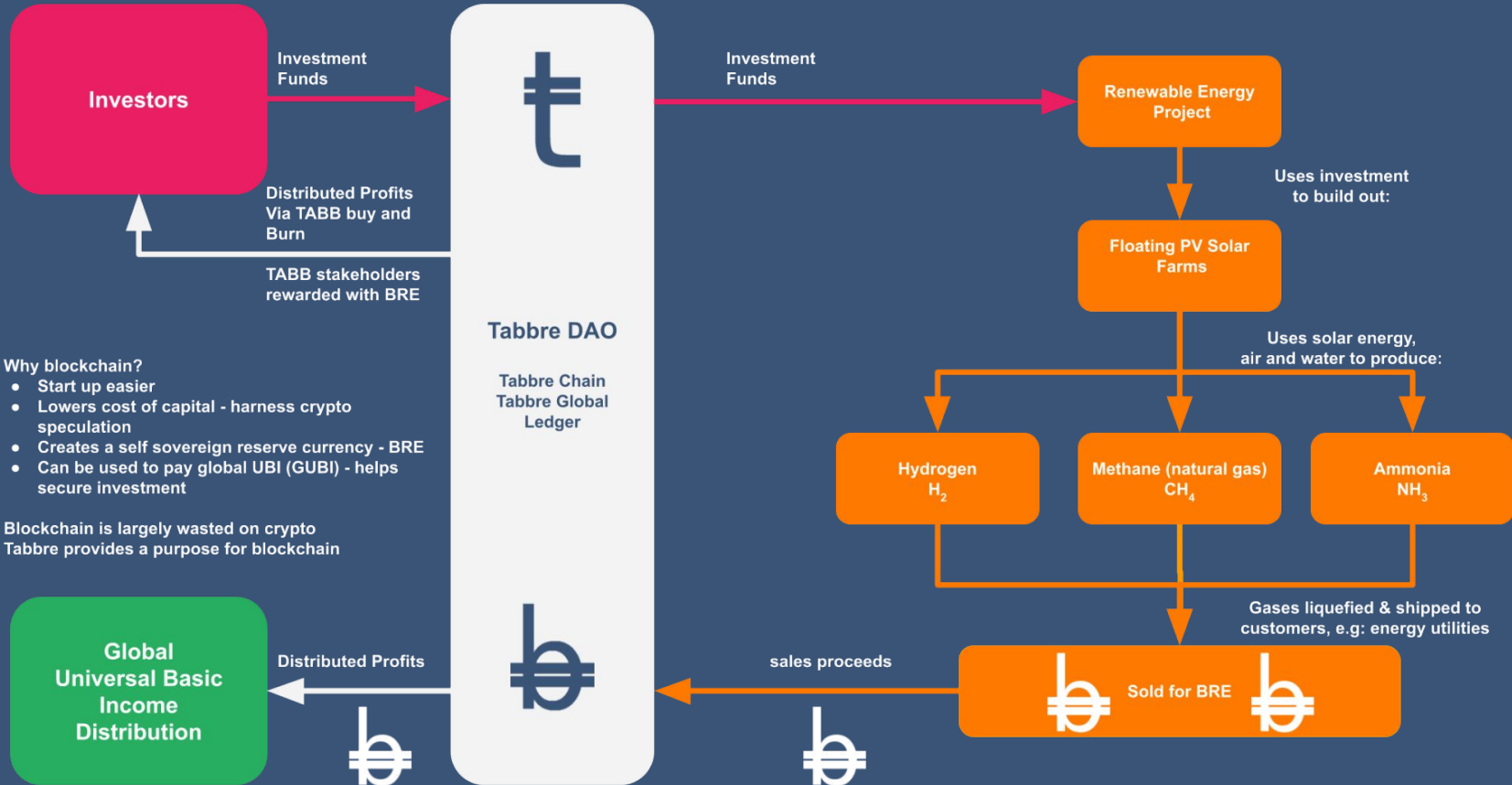
- Tabbre will use the power of crypto speculation to lower the cost of capital for developing floating solar farms
- Tabbre is creating two cryptocurrencies: TABB & BRE, expressed on a new proof of stake blockchain: the TabbreChain
- TABB is a limited supply governance token for Tabbre's governing Decentralized Autonomous Organization
- TABB is used as collateral for the TabbreChain proof of stake consensus

- BRE is the utility token and its issuance is algorithmically controlled
- TabbChain transaction charges and fees are payable in BRE
- TABB stakeholders are rewarded in BRE
- The TabbreChain hosts the smart contracts that encode the decentralized foundations governance and tokenocracy rules
- This allows the Tabbre system to grow and evolve over time to reflect society's changing needs

**All Tabbre energy priced and sold in BRE**



# Tabbre Ecosystem



## Why blockchain?

- Start up easier
- Lowers cost of capital - harness crypto speculation
- Creates a self sovereign reserve currency - BRE
- Can be used to pay global UBI (GUBI) - helps secure investment

Blockchain is largely wasted on crypto  
Tabbre provides a purpose for blockchain

# The Tabbre Investment Model

- The Tabbre Foundation DAO (The Foundation) operates the Tabbre scheme
- The Foundation will own substantial assets including oceanic solar farms & TABB, these are collateral for issuing bonds (USD & BRE)
- Funds raised shall be invested in Tabbre's energy generation, storage and distribution

- Profits will be reinvested into more capacity
- As Tabbre's energy production reaches its target output, (the distribution point), the foundation will use its profits to **buy and burn TABB** resulting in strong price gains, rewarding investors
- Excess profits will be used to pay our Global Universal Basic Income (GUBI)

**Profits reinvested** until the distribution point

Then profits will be **distributed by buying and burning TABB**

# How good is the Tabbre Investment Model?

This is a **powerful model**, as an example:

**Modelling** shows that had Bitcoin been organized like Tabbre with a decentralized investment foundation it would have over \$2 trillion of stocks and could be spending a \$100 billion a year on buying and burning Bitcoin.

The price of **BTC** would be at least \$600K.

With our investment model, **Tabbre can invest the trillions of dollars** needed to realize our vision of a world powered by super cheap and abundant sustainable energy made possible by our floating solar farms.

And since the bulk of the **capital** needed will come **from reinvested profits**: Tabbre will be largely debt free.

Also by using extensive automation, vertical integration and full recycling, **Tabbre's operating costs will be close to zero.**

**When mature, Tabbre's sales revenue will be almost 100% profit**

# Tabbre's Global Universal Basic Income (GUBI)

## Why?

- **Fairness:** Tabbre is using international waters, and these are global commons
- **Protection:** Governments might try to confiscate Tabbre's property. The GUBI will make this politically difficult
- **Decentralization:** Paying a GUBI in BRE will drive adoption, making BRE a self-sovereign decentralized global currency

## How?

- **Universal:** Create a global decentralized self-sovereign registration scheme for claimants
- **Pro Rata:** The GUBI will be paid on a pro rata basis to every person on earth
- **Equitable:** Paid in BRE periodically by dividing the amount set aside by the number of eligible recipients

**Tabbre's GUBI is a dividend paid to everyone**

**Because everyone should benefit from the sun and the oceans**

# Social & Environmental Impact

## Impact on Poverty

- Lifting millions out of poverty
- Energy is essential for economic growth. By making energy reliable, plentiful, available and cheap, Tabbre helps global economic growth
- Paying a Global Universal Basic Income
- Reducing international financial risk by providing a self-sovereign global reserve currency
- Blockchain banking and financial services available to everyone

## Environmental Sustainability

- Contributing to a sustainable and prosperous future by drastically reducing carbon emissions
- Reducing global poverty reduces environmental degradation
- When mature the size of Tabbre's floating solar farms will allow for tuning the earth's albedo by c. 0.8% equivalent to  $\pm 2.4^{\circ}\text{C}$
- Every component of Tabbre's energy infrastructure will be fully recyclable: no new mineral extraction

# 10 Year Roadmap

## Phase 1: Concept Stage Now - Q1/25

- Validate models, strategy, white papers
- Recruit team
- Establish the Tabbre Foundation
- List TABB/BRE on exchanges

## Phase 2: Initial Development c.12 months

- Solar farm physical proof of concept
- Establish the Tabbre Foundation
- Launch production funding round
- Develop the TabbChain Test Net
- Complete minimum viable solar farm
- Prototype raft & harvester manufacturing plants

## Phase 3: Early Production c. 18 months

- Establish decentralized governance
- Establish BRE Monetary Authority DAO
- Complete production funding round
- Complete commercial hydrogen production system (H<sub>2</sub>)
- Pilot ammonia (NH<sub>3</sub>) production
- Commence energy sales in BRE

## Phase 4: Gigawatt Scale c. 24 months

- Complete gigawatt funding round
- Scale up manufacturing plant
- Build out gigawatt scale production (H<sub>2</sub> & NH<sub>3</sub>)
- Pilot methane production
- Establish BRE debt market

## Phase 5: Multi-Gigawatt Scale Multi-year

- Complete multi-gigawatt funding round
- Scale up manufacturing plant
- Build out multi-gigawatt scale production (H<sub>2</sub> & NH<sub>3</sub>)
- Commence full methane production

## Phase 6: Terawatt Scale - 2030s

- Scale up to multi-terawatt capacity
- Commence TABB buy and burn
- Initiate Global Universal Basic Income (GUBI)

# Investment Runway

- The sale starting price is US\$ 0.001 per TABB and the maximum sale price will be US \$1.00 per TABB
- The TABB price curve will be incrementally ascending, like a staircase, with price increments of US\$ 0.001 per increment
- There will be 1000 price increments on the curve
- Each price increment will be for tranches of 200,000 TABB
- Planned exchange listing price is US\$2 per TABB
- The target listing date will be Q2 2025



# Investment **Targets**

## **Phase 1** Concept Stage Now - Q1/25

- Budget: < US\$ 10 M
- Target cost of energy: N/A

## **Phase 2** Initial Development c.12 months

- Budget: < US\$ 100M
- Target cost of energy: US\$ 200 per MWh

## **Phase 3** Early Production c. 18 months

- Budget: US\$ 300M - US\$ 500M
- Cost of energy target US\$ 50 per MWh

## **Phase 4** Gigawatt Scale c. 24 months

- Budget: US\$ 2 bn - US\$ 3 bn
- Cost of energy target US\$ 35 per MWh

## **Phase 5** Multi-Gigawatt Scale Multi-year

- Budget: US\$ Multi billion
- Cost of energy target US\$ 25 per MWh

## **Phase 6** Terawatt Scale 2030s

- Budget: US\$ Multi trillion
- Cost of energy target US\$ 5 per MWh

**Average cost of fossil fuel energy is US\$ 35 / MWh**

**The target cost of Tabbre's energy is US\$ 5 / MWh**



# The Investment Opportunity: TABB Private Sale to fund phase 1 & 2

1. The private sale will attempt to raise **USD 100,000,000** by selling **200,000,000 TABB** on a first come first serve basis.
2. The price of TABB will increase as a function of the total number sold.
3. There will be no fixed time limit for the private sale to end. The private sale will end when either all the TABB allocated for private sale have been bought or when TABB is made available for purchase by the general public, either through a public sale event or public exchange listing.
4. For the sake of simplicity, the TABB price curve will be incrementally ascending, like a staircase, with **price increments of USD 0.001 per increment**.
5. There will be **1000 price increments** on the curve.
6. Each price increment will be for tranches of **200,000 TABB**.
7. The average price will be USD 0.5 per TABB and the **starting price is USD 0.001 per TABB** and the **maximum price will be USD 1 per TABB**.
8. The target **exchange listing price will be twice the price of the last TABB to be purchased in the private sale**.
9. The private sale prices for TABB represent a considerable price discount compared to the public exchange launch price.
10. The target public exchange listing date will be in the first half of 2025.

# The Founder



**Charles Cunningham**  
**Founder CEO**

I founded the Tabbre Project because Net Zero policies are making access to energy unreliable and expensive. This is a disaster for the world's poor.

The only viable way to achieve net zero is to make renewable energy cheaper and more abundant than fossil fuels.

The Tabbre Project's floating solar farm technologies, coupled with Tabbre's unique tokenomic model, will provide the world with cheap and abundant renewable energy.

My career of over 40 years working in Europe, North America and the UK that included senior business, engineering and IT roles in industries such as blockchain, banking, energy, car manufacturing, utilities and central government, has equipped me with the skills and knowledge needed to deliver the Tabbre Project.

A large-scale aerial view of a vast ocean filled with thousands of orange, rectangular floating buoys arranged in a grid pattern. A silver motorboat with a person on board is moving through the buoys, leaving a white wake. The sky is blue with scattered white clouds.

# Tabbre is the future

**Thank you**

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