



the  
thorium  
network

# Introduction to The Thorium Network

# The Challenge

- Energy consumption globally is increasing exponentially > current energy production is unsustainable and environmentally detrimental.
- Production of energy is the largest source of global greenhouse gas (GHG) emissions: 80% of the world's energy production is sourced from burning fossil fuels.
- The use of uranium in nuclear plants has demonstrated devastating consequences in the application of weapons.
- Renewable energy faces challenges in inefficiency and unreliability.
- A new baseload power source is needed.
- Due to a lack awareness and consensus > minimal thorium adoption by governments into energy portfolios.
- Due to low demand of thorium > Thorium Molten Salt supply chain network currently does not exist and all stakeholders are wholly disparate and fragmented.



# The Solution



- Adoption of thorium worldwide as an energy source.
- Replacement of current poor energy production practices.
- New energy economy to emerge > worldwide use of a cleaner and safer energy source.
- New energy supply chain system: transparency and assured security of transactions.
- Transparently track and manage thorium and related fuel components across all touchpoints.
- Local distributed control and management techniques > decentralisation and digitalisation trends in energy.
- Use of blockchain > facilitate distributed transactions by removing a centralised authority - increase public trust and overall security.
- Greater transparency, efficiencies and collaboration > advancement of energy industry.

# The Thorium Network



The Thorium Network (TTN) is an innovative leader in the energy ecosystem driving a sustainable and clean future for the world.

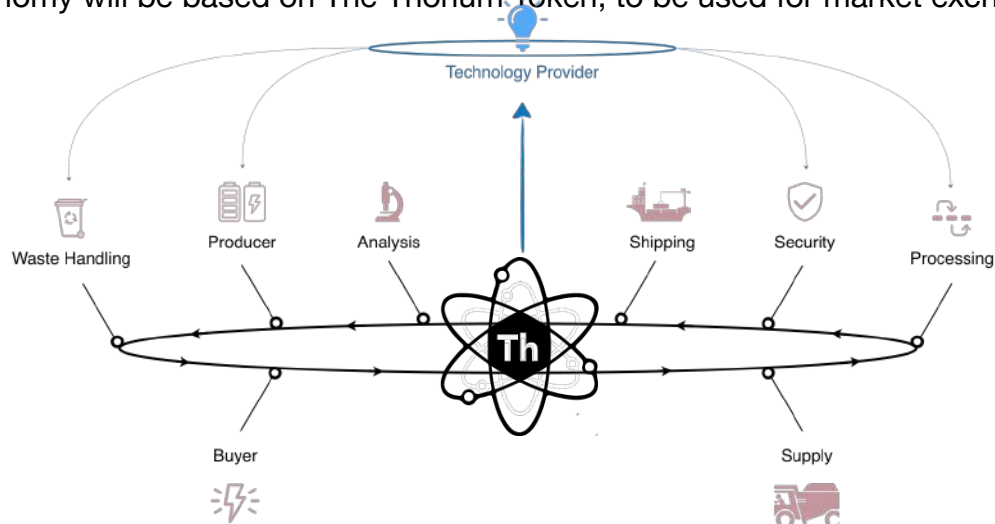
By incorporating a deep scientific and technological approach, TTN is facilitating the development of a new clean energy economy. This is done through driving the mainstream adoption of thorium as a clean and safe energy source as well as providing a reliable and cost-efficient platform for the Thorium value chain.

TTN is building the global decentralised system for thorium and related materials in molten salt energy production. As the first in the world to create this system, underpinned by blockchain technology, TTN provides harmonised clean energy supply management that is transparent, compliant and accessible.

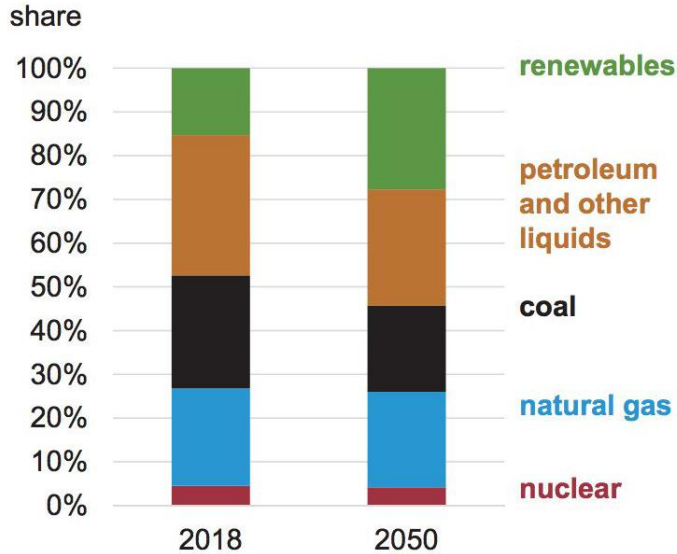
For a better tomorrow - we deliver Thorium.

# The Offering

- TTN will develop and manage a blockchain-based logistics platform that will supply, trace and track all Thorium and related materials sent over it.
- IAEA and country regulations will be mapped and codified into the product framework.
- The records of key information in the blockchain will be made available for public scrutiny.
- A full working supply chain management software will be built.
- All thorium delivered will be tokenized with The Thorium Token within the economy.
- The thorium economy will be based on The Thorium Token, to be used for market exchange.



# The Market



- US Energy Information Administration International Energy Outlook 2019 (IEO 2019): World energy consumption will rise nearly 50% between 2018 and 2050.
- Renewable energy: Leading source of primary energy consumption by 2050.
- Fossil fuels continue to meet much of the world's energy demand.
- Nuclear consumption increases by 1% per year.
- Natural gas is the world's fastest growing fossil fuel, increasing by 1.1% per year; Liquid's increase at 0.6% and Coal at 0.4% per year growth.
- In the 2040s, coal use to increase in non-OECD Asia excluding China.

Source: US Energy Information Administration International Energy Outlook 2019 (IEO2019).

# The Token

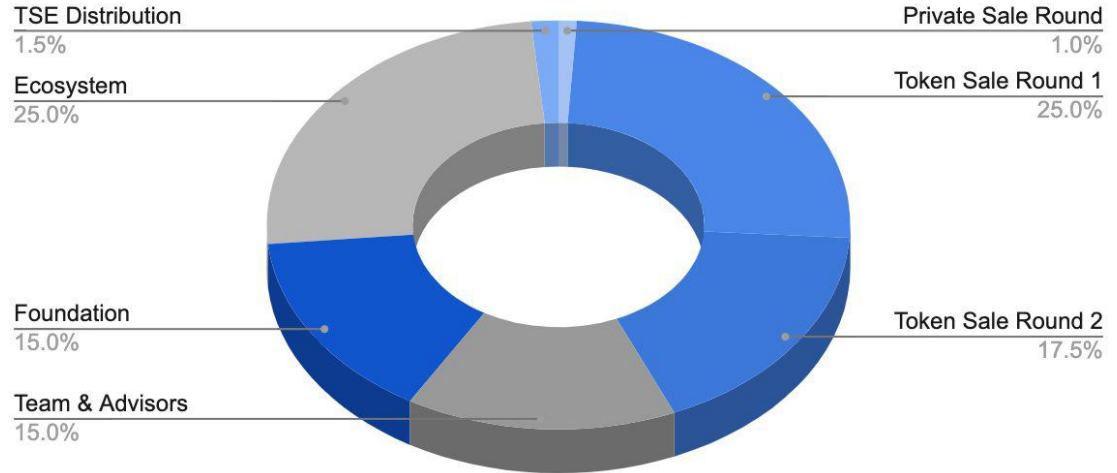
- The Thorium Token - the token currency for the Thorium energy industry.
- One gram of thorium will produce 24 MWh of energy.
- With energy sold at €0.05 per kWh, each gram of Thorium produces €1,200 of energy value.
- Each Token: Backed by an amount of Thorium equivalent to the effort required to move the Thorium from mine to the burner where it produces energy.
- 0.232 grams of Thorium to back each token in TTN.
- Estimated value of Thorium before processing into energy is €3 per gram.



# The Opportunity

- 2,000,000,000 premined tokens.
- Private Contributions: Open
  - 10,000,000 token allocation.
  - Nominal €0.50 per token.
  - Minimum contribution of €5,000.
- Token Sale Event (TSE) Stage 1, Q3 2021
  - 500,000,000 tokens available.
  - €1.00 per token.
  - Minimum purchase of €500.
- Token Sale Event (TSE) Stage 2, Q1 2022
  - 350,000,000 tokens available.
  - €1.50 per token.
  - Minimum purchase of €500.

## Token Distribution (2B Tokens)





# The Plan

Q4 2019

Q3 - Q4 2020

Q3 2021

Q1 2022

2022 - 2025

Establish Full Team,  
Project  
Documentation and  
Business Model

Establish  
Regulatory  
Framework  
and Token  
Sale  
preparation

Develop  
Product  
Prototype

Token  
Sale Event

Product  
Development  
(18 Months)

Thorium  
Network  
Operations

- Tokenised blockchain, wallets, escrow services and exchange listings.

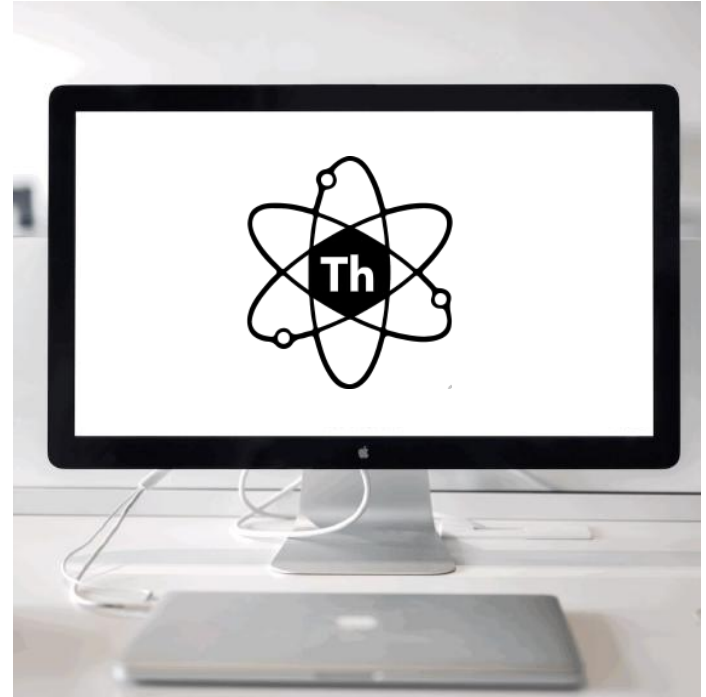
- National network integrations
- Global Thorium energy blockchain

- MSB suppliers blockchain
- Suppliers integration
- R&D activities

- World center of Thorium energy integrated in key industries like auto, aviation, metal production, manufacturing, etc

# The Network

- The Thorium Network: The world's primary source and distributor of Thorium.
- **One** public market for sellers & buyers, suppliers and end users: Protected, public and secured environment for supply of and access to Thorium, related fuel elements and technologies.
- Every transaction recorded on the Thorium Network blockchain.
- Smart contracts: Used to supply services, technologies and fuel materials.
- Both parties provide Proof of Compliance (PoC) before entering into any transaction.
- Market / Revenue products:
  - Thorium “standard” and custom fuel mixes.
  - Thorium technology sale and leasing.
  - Thorium custody (storage suppliers will be able to offer custody services for end users).
  - Energy production waste handling services with approved storage facilities.
  - Other products and services - this will create a sub-related market trade on the Thorium Network.





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