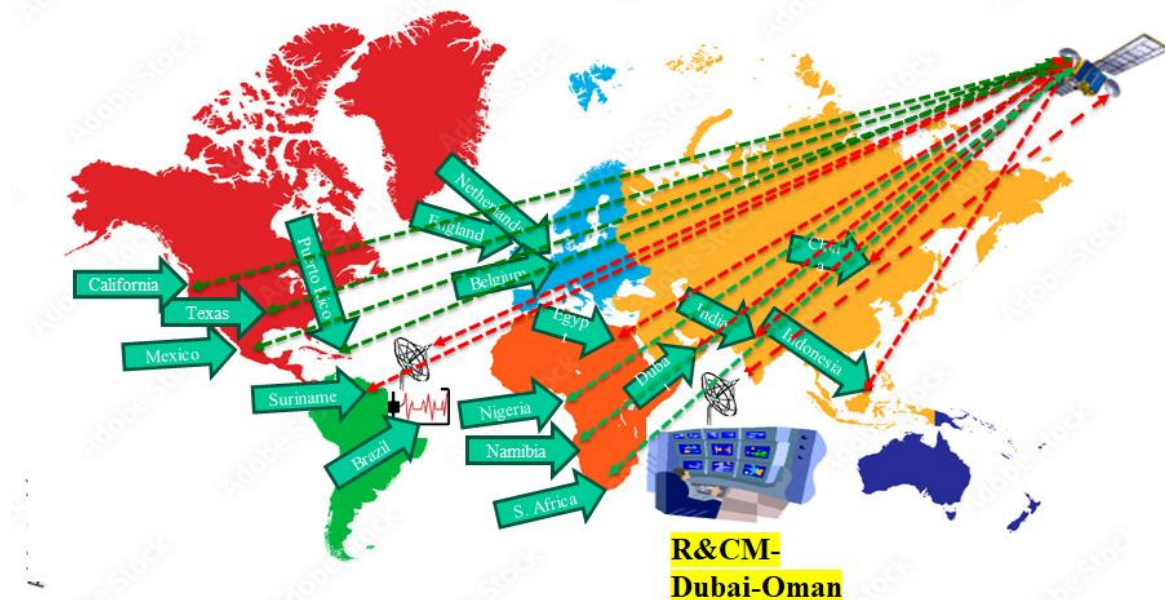
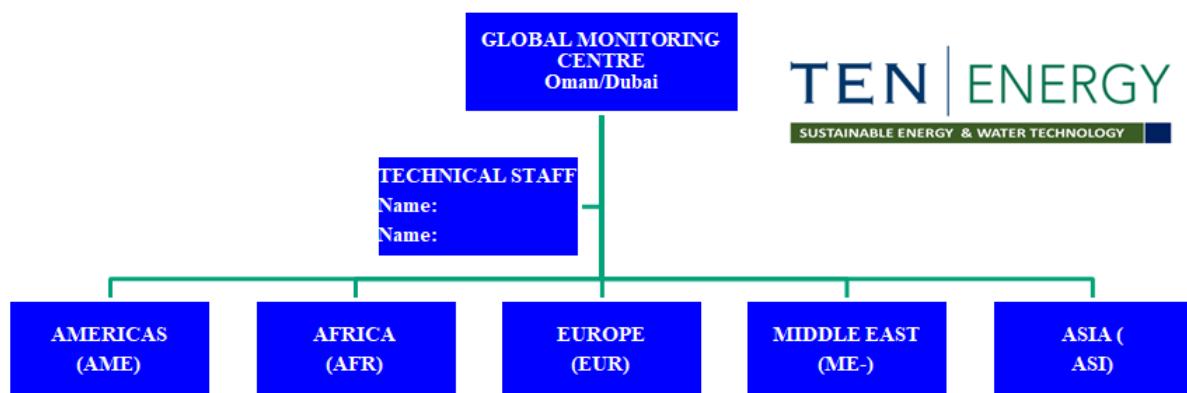


2050 GLOBAL SMR-STGR MASS-PRODUCTION MANUFACTURING PLANT MONITORING SYSTEM

GLOBAL SMR-STGR MASS-PRODUCTION MANUFACTURING PLANTS es



GLOBAL SMR-STGR MASS-PRODUCTION PLANT MONITORING SYSTEMS

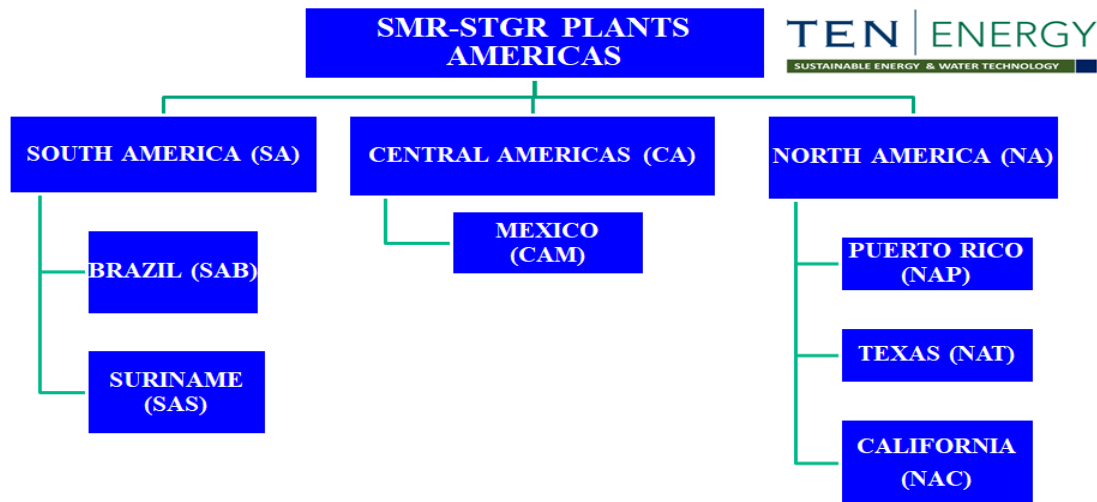


TEN|Energy International

Nijmegen, The Netherlands – May 18, 2025

1: AMERICAS

SMR-STGR PLANTS AMERICAS



"South-America TEN-INT-MASS-PRODUCTION PLANTS"

Pre-selection: 2 countries pre-selected -Brazil, Suriname.

Operations: Thorium fuel plants with 4 business units.

Acquisitions: 4.4 GW coal fired power plants.

Manufacturing: Floating Barges; Off-Shore Oil & UN-Disaster Relief.

Investment Amount: \$1.5 billion USD.

Employment: direct 1.500 jobs; indirect 1.500 jobs.

"Central America TEN-INT-MASS-PRODUCTION PLANTS"

Pre-selection: 1 countries pre-selected -Mexico.

Manufacturing: Floating Barges; Off-Shore Oil & UN-Disaster Relief.

Maritime Industry: UN-Disaster Relief industries Caribbean 4 b. units.

Acquisitions: Of non-compliant 0 GW coal power plants.

Fleet Management: Barges; Harbour Facilities (hurricane free zone); Central America and Caribbean Disaster Relief Units

Investment Amount: \$0.5 billion USD.

Employment: Direct 500 jobs; indirect 500 jobs.

"North-America TEN-INT-MASS-PRODUCTION PLANST"

Pre-selection: 4 States: California, Puerto Rico, Texas and California.

Manufacturing: Floating Barges; Off-Shore Oil & UN-Disaster Relief.

Maritime Industry: UN-Disaster Relief industries Caribbean 4 b. units.

Acquisitions: Of non-compliant 400 GW coal power plants.

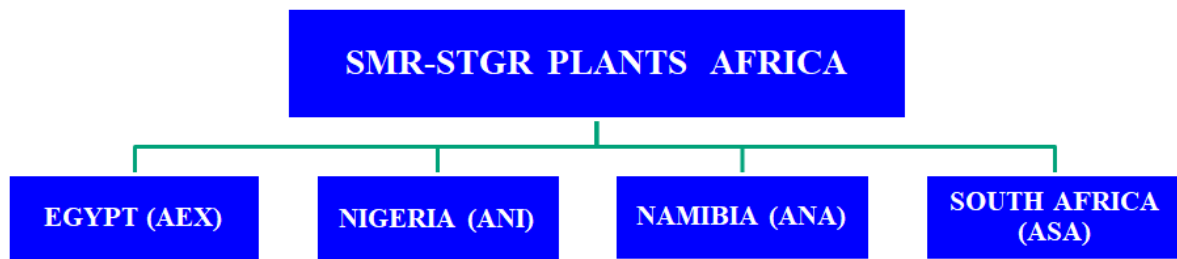
Fleet Management: Barges; Harbour Facilities (hurricane free zone); West Coast and Caribbean Disaster Relief Units

Investment Amount: \$2.5 billion USD.

Employment: Direct 2.500 jobs; indirect 2.500 jobs.

2: AFRICA

SMR-STGR PLANTS AFRICA



“Africa TEN-INT-MASS-PRODUCTION PLANTS”

Pre-selection: 4 countries pre-selected – Egypt, Nigeria, Namibia, South Africa.

Manufacturing: Floating Barges; Off-Shore Oil & UN-Disaster Relief.

Maritime Industry: UN-Disaster Relief industries.

Acquisitions: Of non-compliant **54 GW coal power plants**.

Fleet Management: Barges; Harbour Facilities (hurricane free zone); East Coast Africa

Investment Amount: \$2.0 billion USD.

Employment: Direct 2.000 jobs; indirect 2.000 jobs.

3: EUROPE

SMR-STGR PLANTS EUROPE



Belgium

Belgium: TEN-INT-MASS-PRODUCTION PLANT International Operations Hub at Dessel

R&D Engineering Construction: Hydrogen & Nuclear Thorium Pebble Product Plants (use of existing Belgo-process MOX Plant).

Test & Training: All facilities.

Fleet Management: Belgian UN-Disaster Relief Unit.

Acquisitions: Of non-compliant **4 GW coal power plants**.

Investment Amount: \$0.5 billion USD.

Employment: Direct 500 jobs; indirect 500 jobs.

The Netherlands

Netherlands: TEN-INT-MASS-PRODUCTION PLANTS HQ International and Industrial Operations Hub at Rotterdam

Maritime Industry: Barge Construction; STGR reactors to 4 business units.

Relations: Govt's & Nuclear Agencies & UN-Disaster Relief Division.

Administration: Board of Advisors; via Pvt Investment Fund-Business Units.

Management: Patent rights & licenses, emission rights; Joint/Ventures,

Partners & Subcontractors: **Damen Shipyards, Schelde Exotech, DDM, Siemens.**

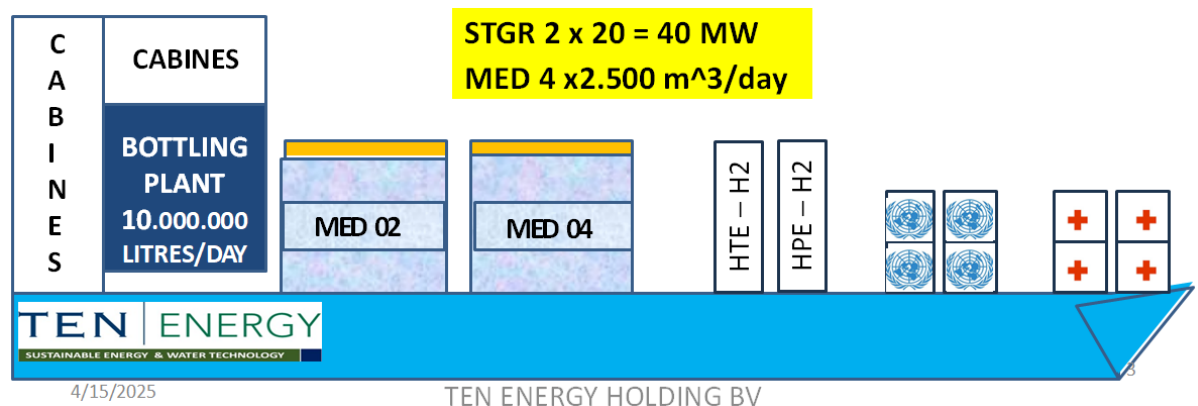
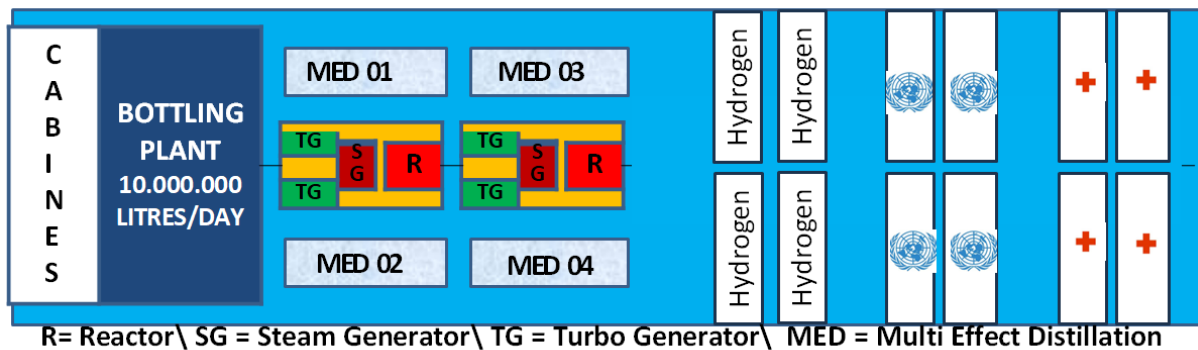
Acquisitions: Management of all international contracts.

Investment Amount: \$0.5 billion USD.

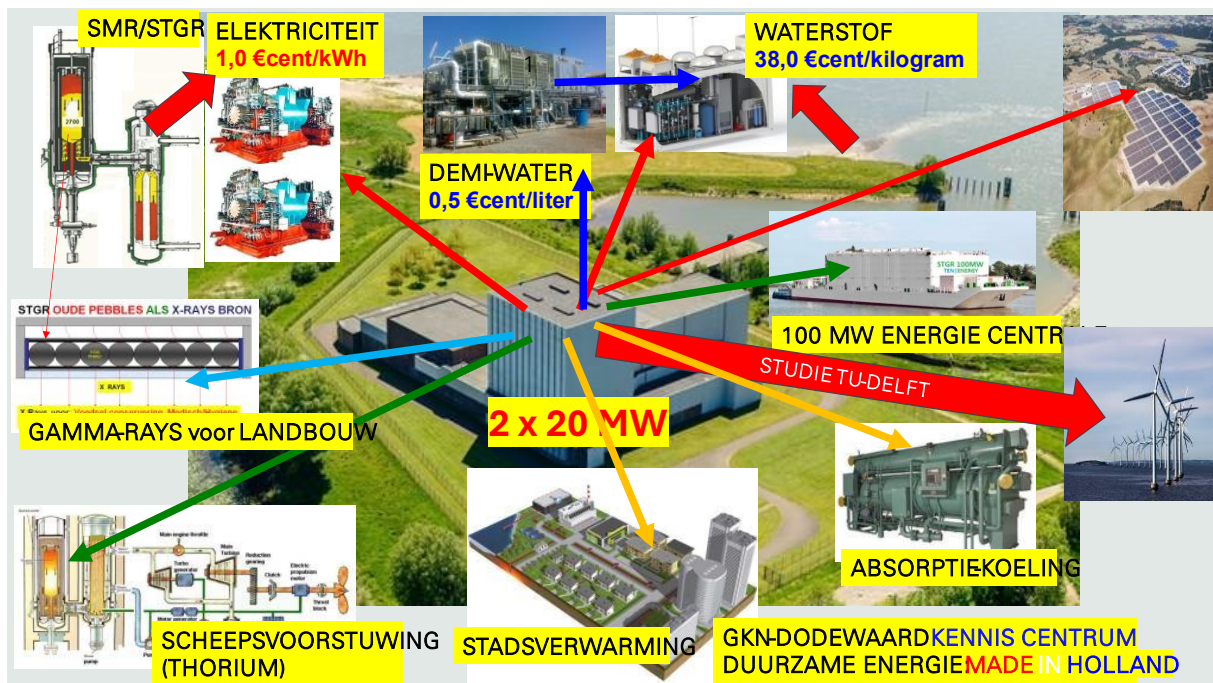
Employment: Direct 100 jobs; indirect 200 jobs.



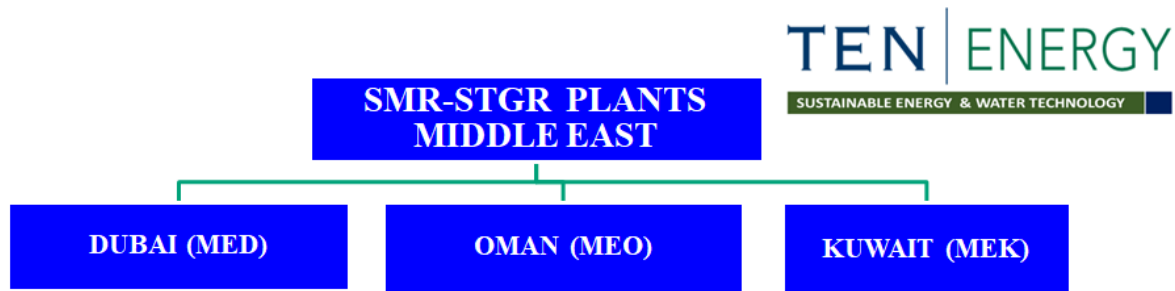
MPB RDR: 40 MW POWER BARGE Length: 145 m. – Width 36 m. – DAMEN Shipyards.
 SMR Small Modular Reactor: 2 x 20 MW STGR STATIONS L x W x H = 15 m. x 10 m. x 14 m.
 MED: Multi Effect Distillation – **4 units 2500 m³/day** – L x W x H = 15 m. x 5 m. x 12 m.



Netherlands: TEN-INT-MASS-PRODUCTION PLANTS HQ Know How and Generation IV Nuclear Reactor Technologies at GKN-Dodewaard Maritime Industry: Knowledge Centre for Education and Training in Generation IV technologies, design and construction for STGR reactors and technologies.
Relations: Govt's & Nuclear Agencies & Ministry for Education.
Administration: Training Management and Staff members.
Management: Rivierenland - Gelderland.
Investment Amount: \$0.2 billion USD.
Employment: Direct 50 jobs; indirect 100 jobs.



SMR-STGR PLANTS MIDDLE EAST



Middle East: *TEN-INT-MASS-PRODUCTION PLANTS HQ International Operations Hub at Dubai/Oman.*

Maritime Industry: Barge Construction, STGR reactors to 4 business units and Global Distribution.

Relations: Govt's & Nuclear Agencies & UN-Disaster Relief Division.

Administration: Board of Advisors; contracts via Pvt Investment Fund-Business Units.

Management: Patent rights & licenses, emission rights; Joint/Ventures, Partners & Subcontractors.

Acquisitions: Management of all international contracts.

Investment Amount: \$0.5 billion USD.

Employment: Direct 100 jobs; indirect 200 jobs.

SMR-STGR PLANTS ASIA



HQ Local: “Asia TEN-INT-MASS-PRODUCTION PLANTS HQ
International Operations Hub at Shanghai/China”

R&D Engineering Construction: Hydrogen & Nuclear Thorium Pebble
Production Plants (use of existing infrastructure at INET – Tsinghua
University – Beijing, China)

Test & Training: Collaboration with INET-Tsinghua All facilities.

Operations: The important thorium deposits with 4 business units.

Acquisitions: Of non-compliant about 800 GW coal power plants

Fleet Management: Barges; Asian UN-Disaster Relief Unit.

Investment Amount: \$2.5 billion USD (5 offices).

Employment: Direct 2.500 jobs; indirect 2.500 jobs.

HQ Local: “Asia TEN-INT-MASS-PRODUCTION PLANTS HQ
International Operations Hub at NPCIL- Mumbai/Maharastra/India”

Pre-agreement: Chief Minister Sikkim State for INDIA. Prepare Economic
Development Plant for all States.

Operations: The important thorium deposits with 4 business units.

Acquisitions: Of non-compliant **400 GW coal power plants**

Fleet Management: Barges; Asian UN-Disaster Relief Unit, Drone Fleet.

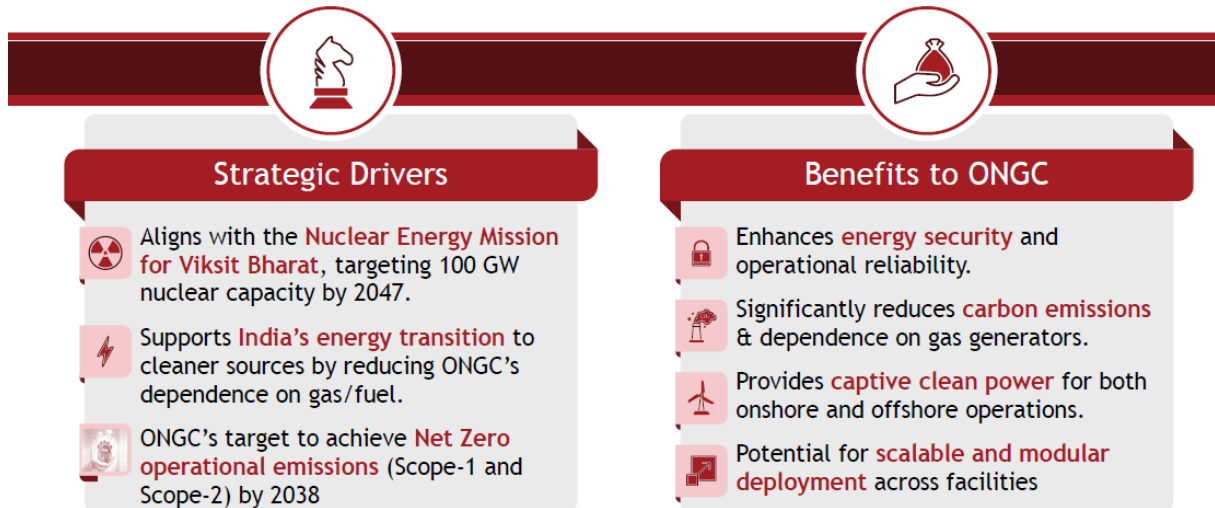
Investment Amount: \$2.5 billion USD (5 offices – Mumbai (NPCIL), New
Delhi, Chennai (L&T), Haridwar (BHEL) and Hyderabad (BHEL)).

Employment: Direct 2.500 jobs; indirect 2.500 jobs.

**EXPRESSION OF INTEREST (EOI) NUCLEAR PILOT PROJECT / SMALL MODULAR
REACTORS (SMR) AT ONGC FACILITIES** 1. INTRODUCTION The Union Budget 2025-26
underscores a transformative shift in India's energy landscape, emphasizing
nuclear energy as a cornerstone for sustainable development. The Government of
India has unveiled the Nuclear Energy Mission for Viksit Bharat, targeting the
establishment of **100 GW of nuclear power capacity by 2047**. A pivotal component of
this mission is the allocation of ₹20,000 crore towards the research and
development of Small Modular Reactors (SMRs), with an objective to operationalize
at least five indigenously designed SMRs by 2033. **OIL and NATURAL GAS CO. INDIA**



ONGC is looking to pilot in SMR/ MMR space



INDIA- Execute Conversion 400 GW Coal Plants to STGR Energy Stations
Global CO2 emissions from coal power plants rose to a record 10.5 Gt in 2021. (Source: IEA)



“South-East Asia PHBV-GGHE Indonesia”

Agreement: PT Global Marine Nusantara for Development Integrated Maritime Industrial Estate BATANG Central Java Indonesia and Related Industries Shipyard at East Kalimantan Nusantara Shipyard Pt, DayaYes.

All Administrations: Commercial “Customer on site STGR plants” such as heavy industries & datacentre’s, Engineering, Training Centres, in 4 business units.

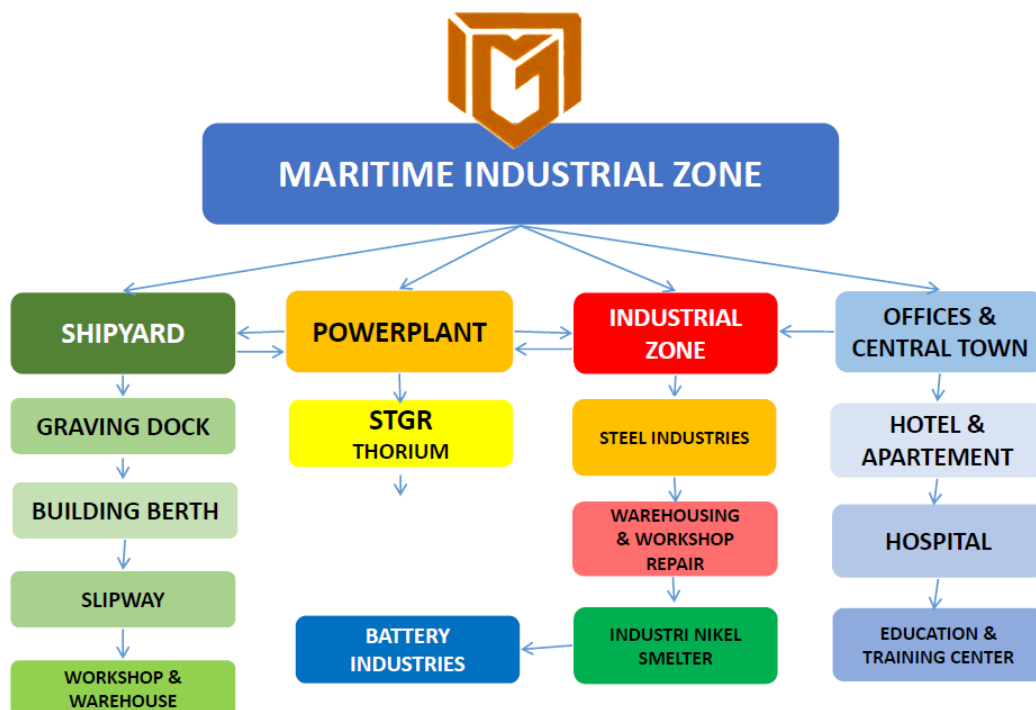
Fleet Management: Barges; Asian UN-Disaster Relief Unit. Drone Fleet.

Acquisitions: Of non-compliant COP-21 and COP-26 fossil power plants 34 GW (to rise with 14-16 GW) coal power plants

Operations: The important thorium deposits with 4 business units.

Investment Amount: \$2.5 billion USD. (5 offices).

Employment: Direct 2,500 jobs; indirect 2,500 jobs.



• Data:

- LxWxH/: 145x36x10 meter
- Power max. 100 MW electricity
- Water max. 25.000.000 ltr/day

• Advantages:

- Quick response to location
- Minimal infrastructure
- Easy to move anywhere

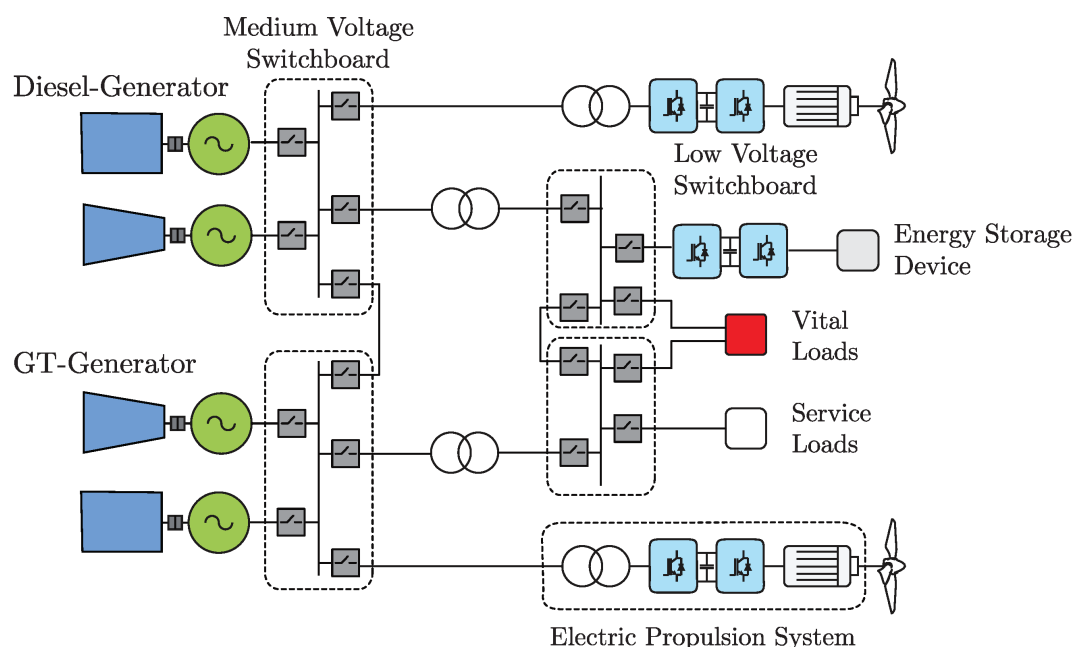
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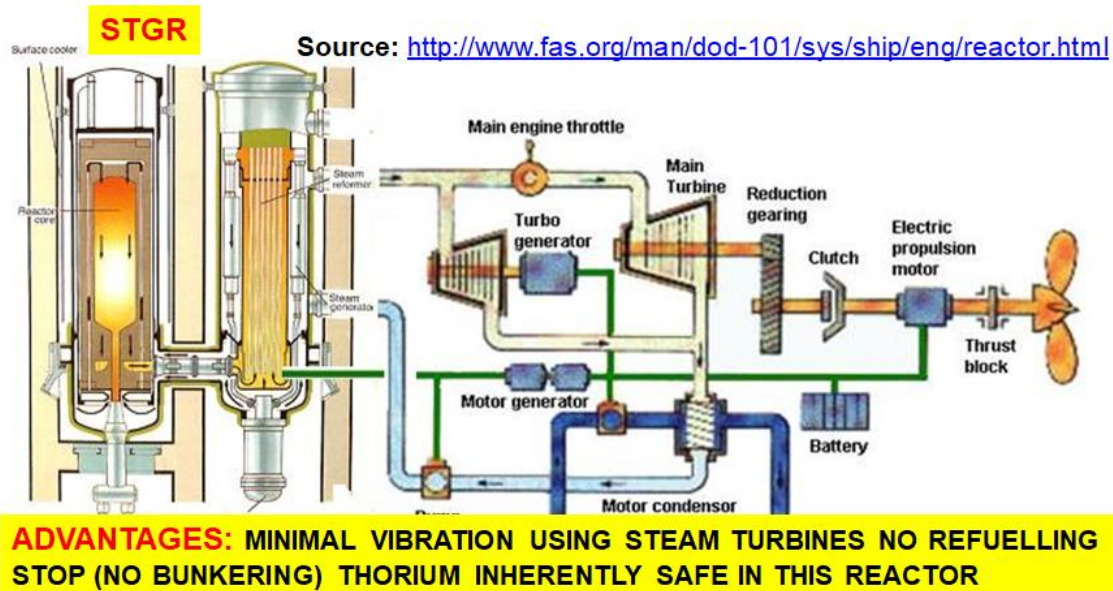
*Develop Batang Integrated Maritime Industrial Estate - for Shipbuilding, Maintenance and Repair Engineering and Consultancy – with Leading Companies in collaboration with in operation PT. Dayayes Shipyard to continue present operation and expand with facilities at Batang Estate to build and sell the “SMR/STGR Energy station” for Electricity, Potable Water, Medical and Humanitarian Aid. Further expansion in innovation to design, develop and build new “ZERO-CO₂- ship propulsion systems with new fuels such as: Thorium -Green Hydrogen or Thorium Steam boilers. The International maritime shipping transportation urgently needs to make the transition “**Zero-CO₂**” and “**Zero-Pollution**” ship propulsion. At Batang Estate a main effort will be made to bring this to life.*

Innovative ZERO CO₂ Ship-propulsion Technologies such as:

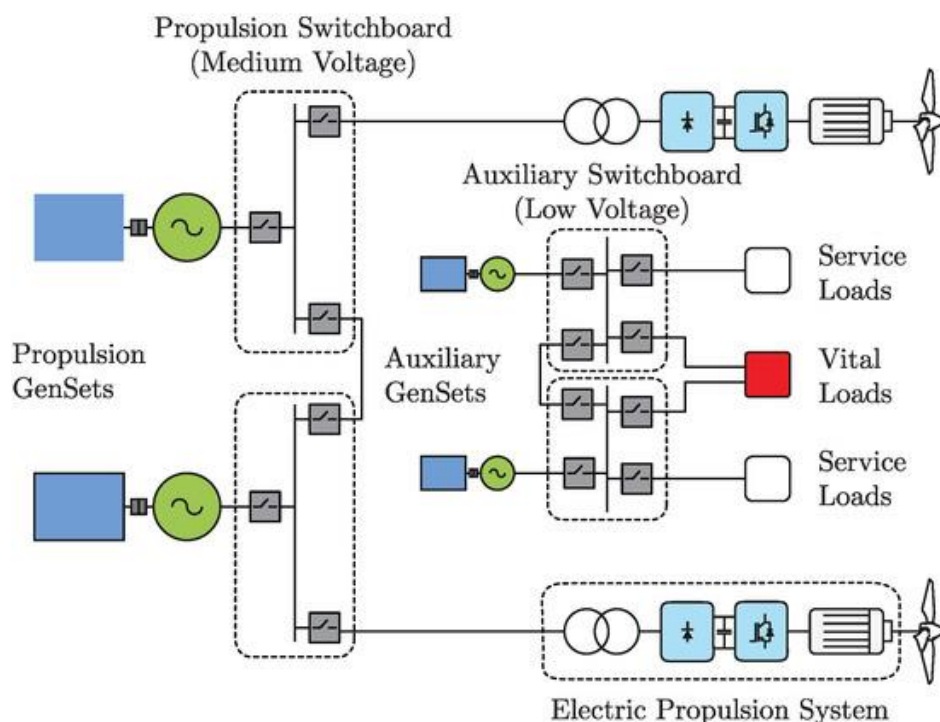
1: SMR-STGR with Steam-turbines for Ship propulsion



Source: [JMSE | Free Full-Text | Challenges for Zero-Emissions Ship | HTML \(mdpi.com\)](#)
 Replace Diesel Generators and GT-Generators with 2 to 4 SMR-STGR stations



2: SMR-STGR with Green Hydrogen Fuel Cells for Ship Propulsion



Source: JMSE | Free Full-Text | Challenges for Zero-Emissions Ship | HTML (mdpi.com)
FUEL CELLS as Propulsion GenSets.



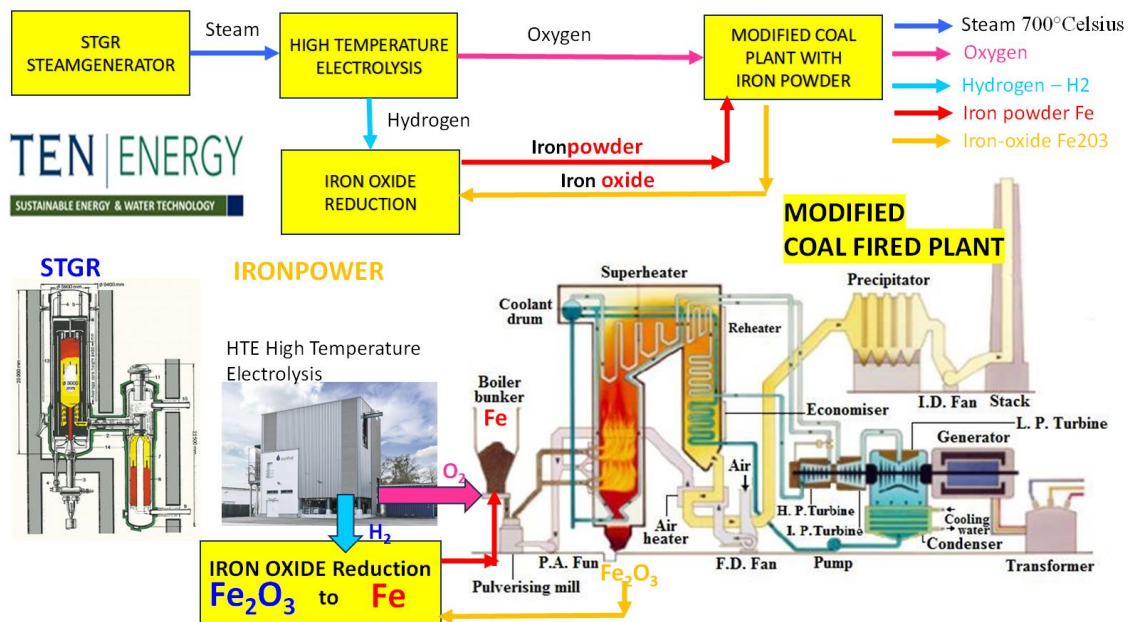
Source: [Charged EVs | Electric marine propulsion system can save \\$1.7 million in fuel costs annually - Charged EVs](#)

3: Green Hydrogen safe Storage and Transport for Ship Propulsion

Development of Safe Storage and Transport of Hydrogen in Iron Ore.

Iron Powder: *A safe way for Storage and Transport of Hydrogen.*

	ENERGY LOSSES	HYDROGEN STORAGE DENSITY	STORAGE, TRANSPORT, PRODUCTION	SAFETY
IRON	LOW	168 kg/m ³	SIMPLE, CHEAP	LIMITED EXPLOSION DANGER
METAL HYDRIDES	LOW	99 kg/m ³	VERY EXPENSIVE, COMPLEX	LIMITED EXPLOSION DANGER
HYDROGEN (GAS)	HIGH	42 kg/m ³	EXPENSIVE, COMPLEX (700 BAR)	EXTREMELY FLAMMABLE, RISK OF HYDROGEN ATTACK
HYDROGEN (LIQUID)	HIGH	71 kg/m ³	EXPENSIVE, COMPLEX, -250 DEGREES STORAGE	EXTREMELY FLAMMABLE
FORMIC ACID	LOW	54 kg/m ³	SIMPLE, CHEAP	FLAMMABLE, CORROSIVE, TOXIC
AMMONIA	LOW	121 kg/m ³	STORAGE IN PRESSURE TANKS, EXISTING TECH	CORROSIVE, TOXIC



Locations Main Headquarters:

Main Headquarters: Belgium (Dessel); Indonesia (Batang), Oman and Dubai; Switzerland; The Netherlands (Rotterdam); USA (Puerto Rico).

HQ Local: Asia India; South-East Asia Indonesia; Africa; North- & South America & Suriname.

-Investment Amount HQ's Initial Total all locations: xx,x billion USD.

Projects:

Today Total Commercial Projects in pipeline: \$ x,xxx billion USD.

New STGR small plants see brochure "On Land" and "Barge Mounted"

"On Land" see brochure xxxx GW \$ xxx billion USD.

Convert Coal Plants see brochure 2.500 GW \$ 3,750 billion USD.

Barge Mounted Plants see brochure xx GW \$ xxx billion USD.

Green Hydrogen see brochure xxx GW \$ xx billion USD.

Long Term; \$ x.xxx billion USD.