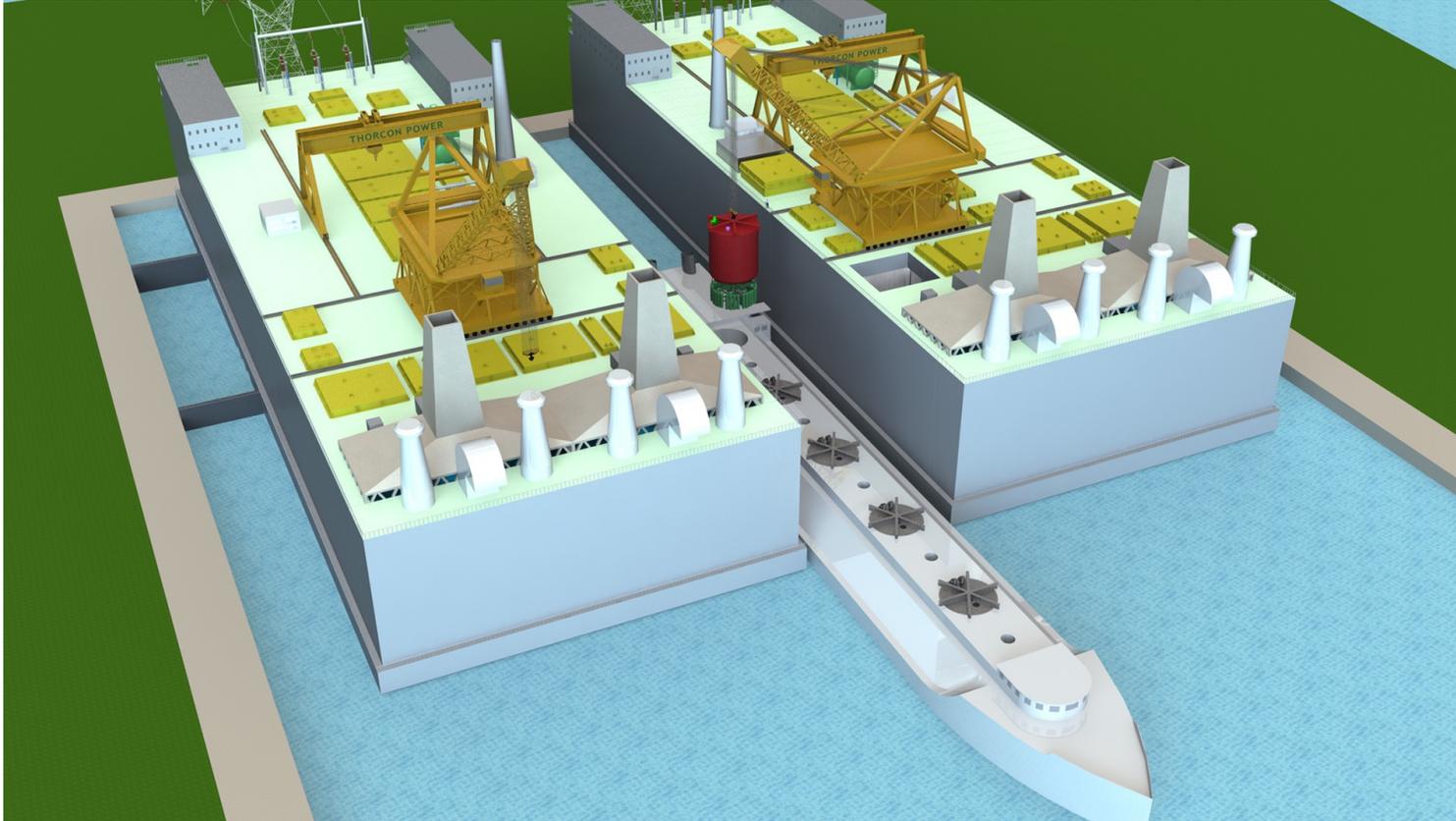


ThorCon Status Update 2021

ThorCon 1 GW Plant

Two 500 MW Units



Plants are built complete in a shipyard, towed to a site in Indonesia, ballasted to the seabed, and then connected to the grid.

Costs are estimated at \$1.2B for a 1GWe site. Largely verified by DSME and Doosan

A large shipyard can produce 20 Gwe/year.

Build time is 1 year. Time from permits and land to grid power is 2 years.

Electricity costs are \$0.03 USD/kWhr

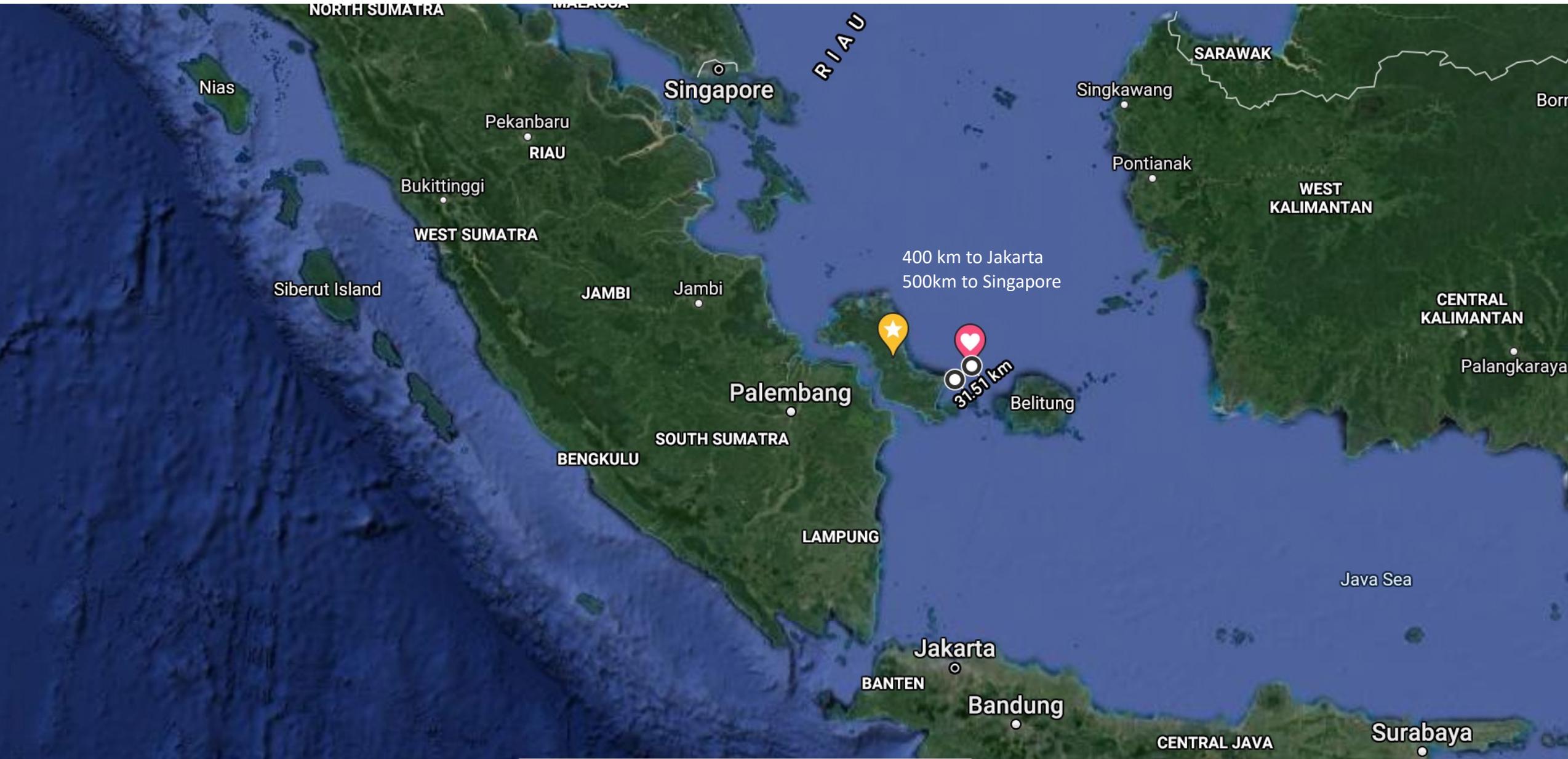
Can compete directly with coal in the developing world.

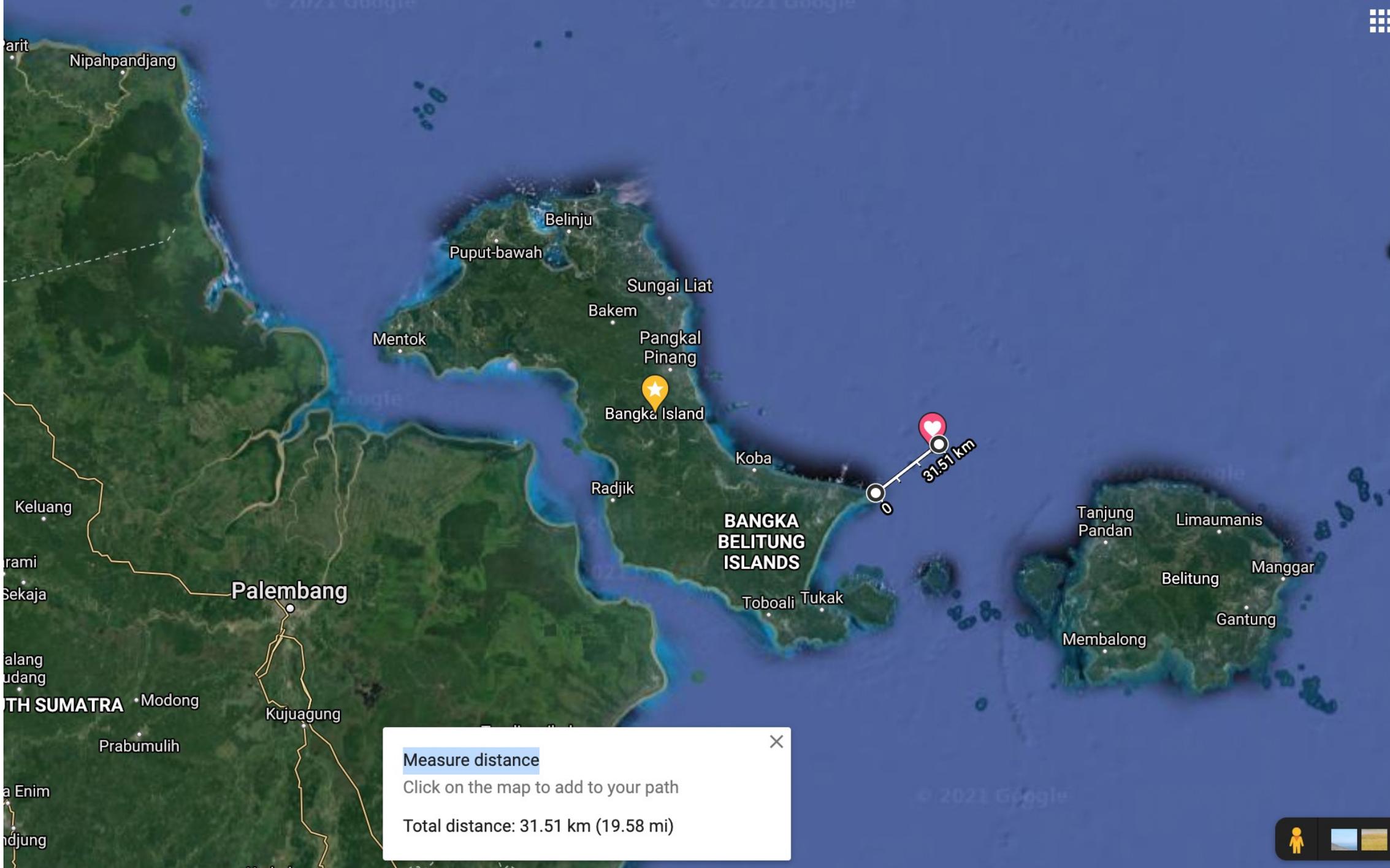
Recent change is the addition of the vault – dry cask storage for 80 years operation by adding 5m to the 180m long hull

Political Progress

- Demo plant site identified, currently being surveyed.
- Remote island to facilitate severe accident testing.
- Governor is encouraging the project.
- Several ministries are now behind the project.
- Some necessary changes to the law have been made (more are needed).
- Government officially requested an independent safety review

Kelesa Island Maps and Pictures





Nipahpandjang

Keluang

rami
Sekaja

alang
udang

TH SUMATRA • Modong

a Enim

ndjung

Palembang

Kujuagung

Prabumulih

Belinju

Puput-bawah

Sungai Liat

Bakem

Mentok

Pangkal
Pinang

Bangka Island

Koba

Radjik

**BANGKA
BELITUNG
ISLANDS**

Toboali Tukak

Tanjung
Pandan

Limaumanis

Belitung

Manggar

Membalong

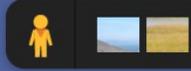
Gantung

31.51 km

Measure distance ✕

Click on the map to add to your path

Total distance: 31.51 km (19.58 mi)



2.5 km



Pulau gelas 📍



© 2021 Google



Power Plant

Reclaimed land



Pulau gelasa 



Cove View from the NE Arm

Technical Progress

- Safety document prepared, about to start review.
- So far it appears HALEU will not be available in time from the West.
- If not available from Russia or China we will revamp plans to work with LEU initially for demo plant until HALEU is available.

Submitted safety document to IAEA

High level safety document submitted to IAEA

Currently negotiating scope, schedule, and budget of the review



**SAFETY DOCUMENTATION
FOR
THORCON TMSR 500
PLANT**
August 2021

A 3D cutaway diagram of a ThorCon TMSR 500 reactor core. The diagram shows a central spherical core surrounded by a cylindrical vessel. The core is supported by a complex structure of pipes and structural elements. The diagram is rendered in a light gray color, with a blue horizontal bar at the top and bottom.

PREPARED BY
PT THORCON POWER INDONESIA
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Salt Lab Being Established at ITB

ITB (the MIT of Indonesia) is establishing a salt lab

Purpose to develop and test manufacturing process for salts

Site selected for Pre-fission Test Facility

