

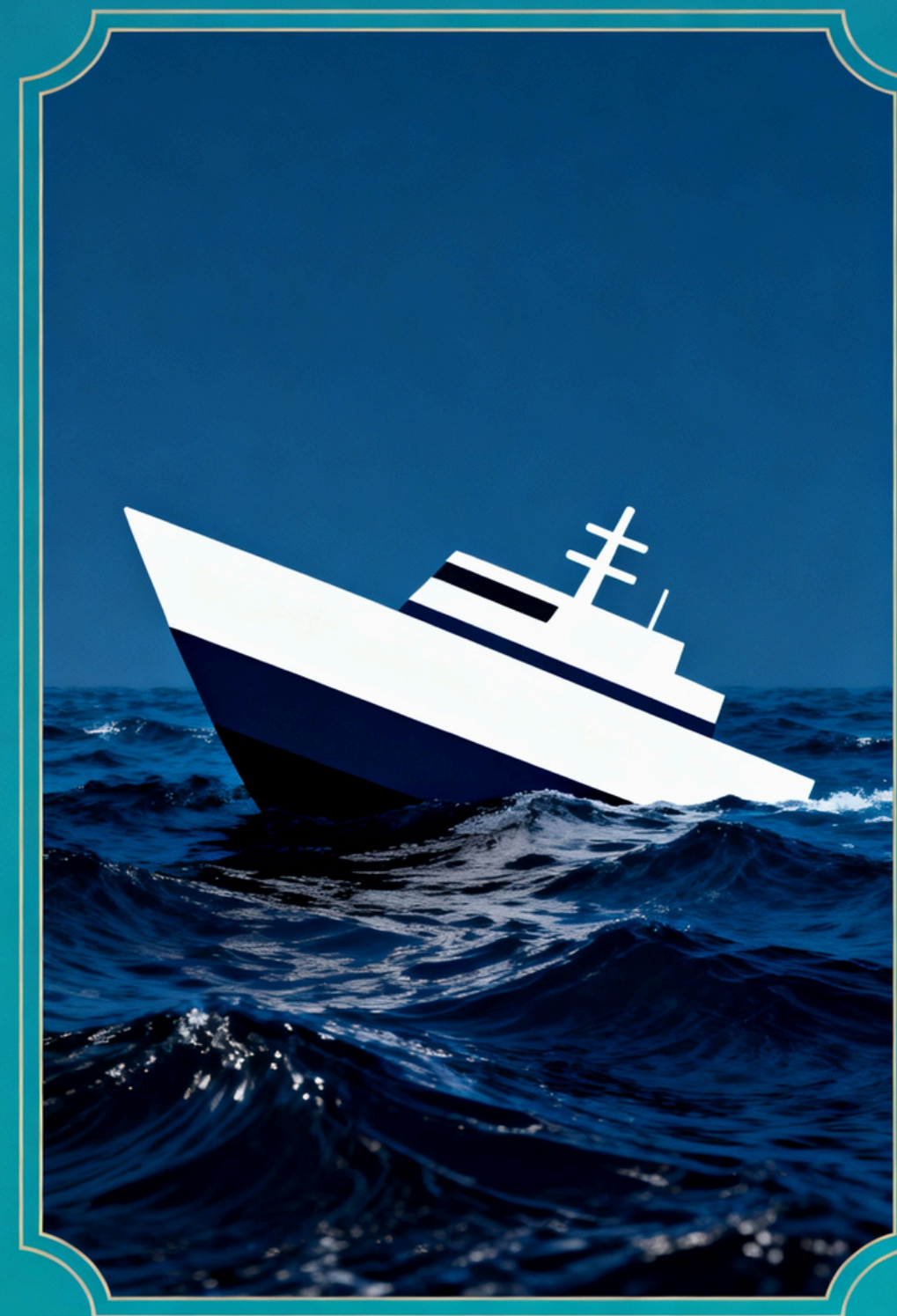
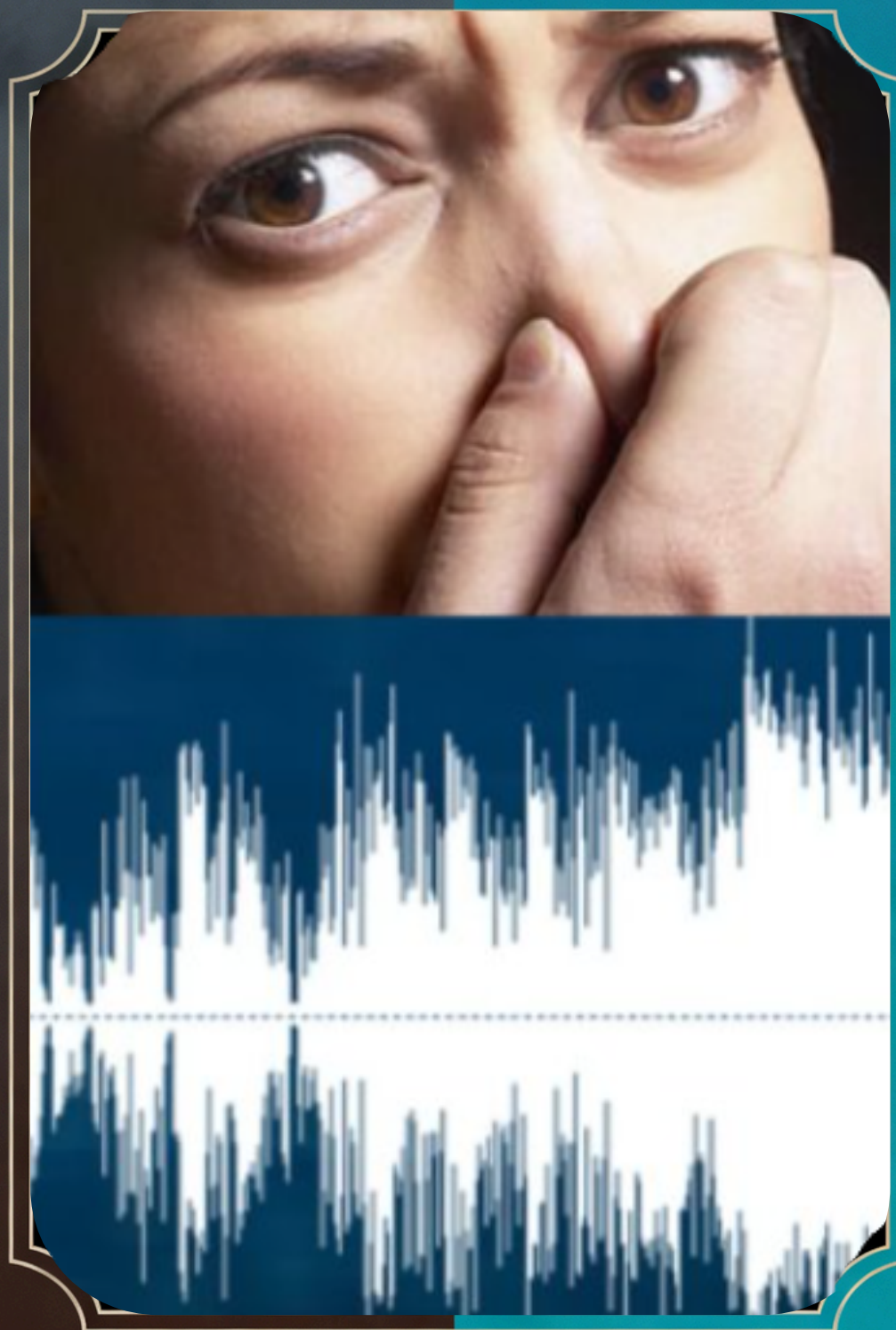
# MSME: Creating Impact



Sandith Thandasherry  
Founder & CEO, Navalt











# OPEX





Weight

## Challenge

from 35 Ton → to 17 Ton



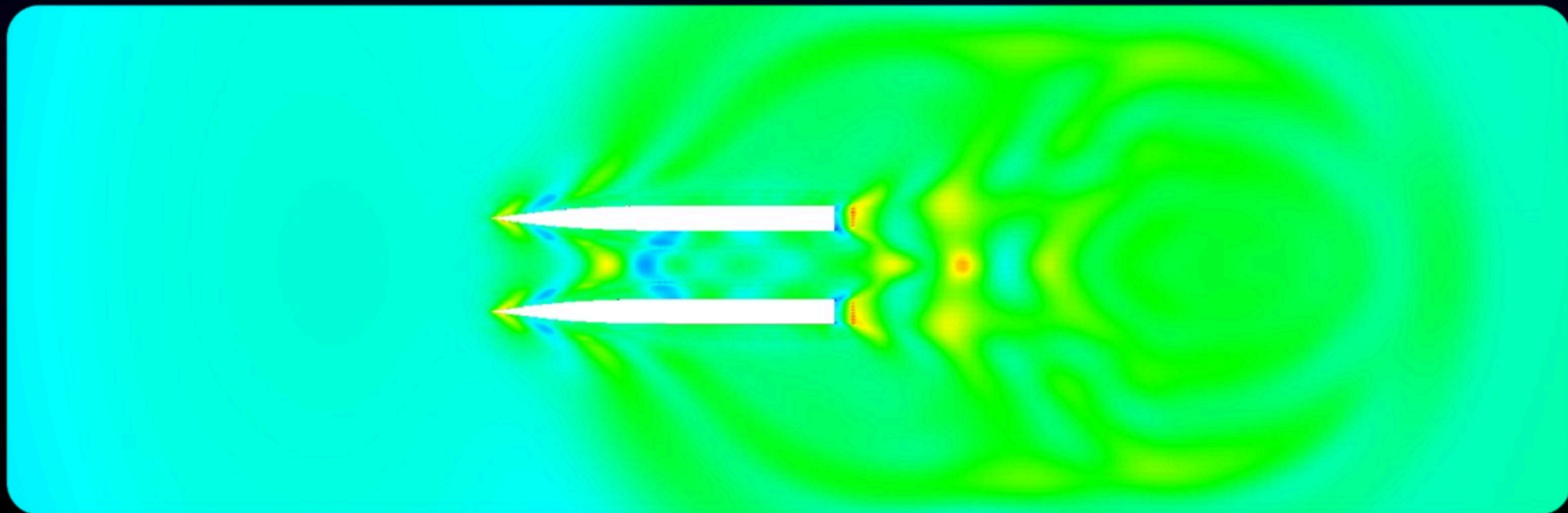




Hull Efficiency

## Challenge

from 45 KW  $\longrightarrow$  to 15 KW





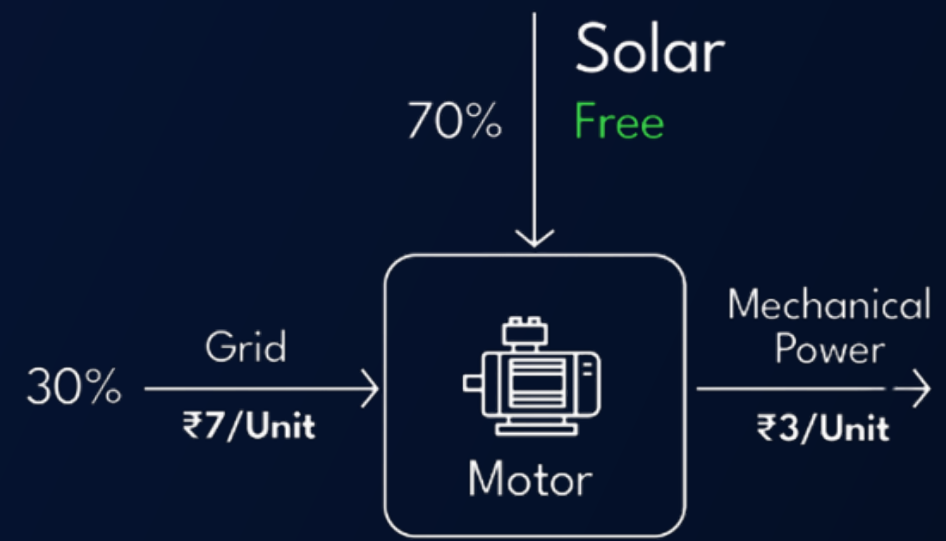
### Diesel Boat



### Electric Boat



### Solar Electric Boat









Talking about Solar energy, this boat will never ever run on Solar energy. If they had known anything about Solar energy, they would not have gone to this project.

This boat will never be a reality. Even if it comes out, it will not run. If catastrophe. If that happens, then the world will listen to what I say, like Thekkady. I will make sure that each and every penny looted from the Govt will be paid back by whoever is involved.



To: Adv. S. Krishnaswamy Crust I Above (207)  
 Filed on: 20-6-2016

Sub: Writ - Public Interest Litigation -- Challenging the grant of the contract by the second respondent, Kerala State Water Transport Department to the eleventh respondent to build a solar paneled passenger ferry boat

BEFORE THE HON'BLE HIGH COURT OF KERALA AT ERNAKULAM

W. P. (C) No. 21035 of 2010

18. Another most alarming aspect of the project is that neither the technical commission nor the biodiversity study experts have ever made a study of the current speed at the intake the water ferry is to be operated. It is humbly submitted that Vythiri - Thuvankkaddu area is in the Vembanad Lake stretching 2.2 kms having a current speed of 5 knots. Presently most boats are plying at 5 knots with a power of 30 bhp engine. The maximum solar power for this boat is only 40 kW, i.e. 54 hp. The vessel is designed for 5 Knots. If at all this full power is achieved, the vessel will get a maximum speed of 5 knots. So if the current speed is also 5 knots, the vessel cannot overcome the current speed.

- 10 -

၁၈၇၄. ဘဝ နေထိုင်မှု မှာ ၁၈၇၄ မှ ၁၈၇၅ ခုနှစ်အတွင်း အသက် ၁၈ နှစ်အတွင်း  
 လူငယ်ဘဝ နေထိုင်မှု

[illegible]

מל לימודיהם וזאת על בסיסיותם וזאת על בסיסיותם



5 PM

12<sup>TH</sup> JAN 2017

Inaugurated By



Shri. Piyush Goyal

Minister of Commerce and Industry of India

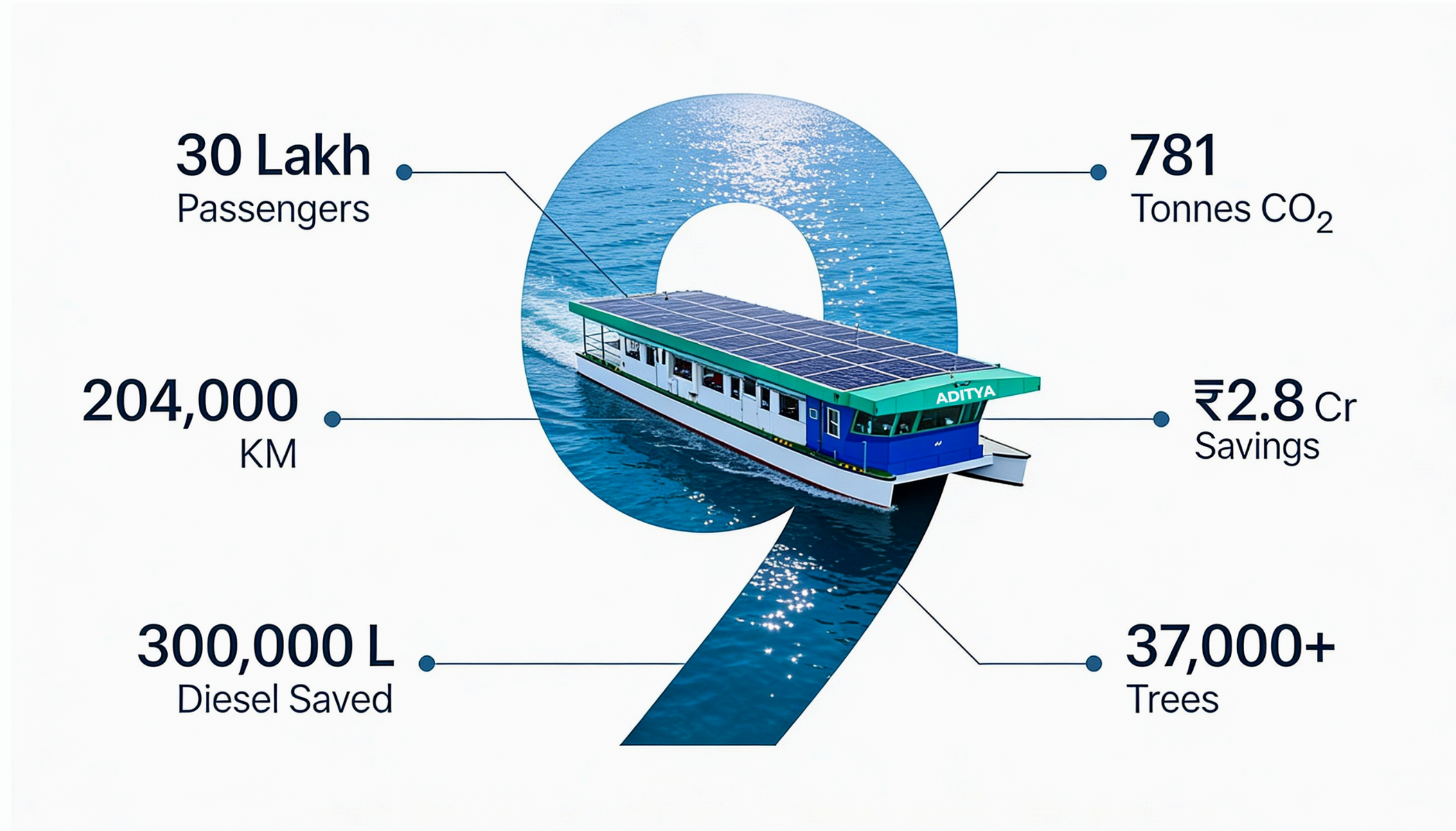
Shri. Pinarayi Vijayan

Minister of Commerce and Industry of India



# ADITYA

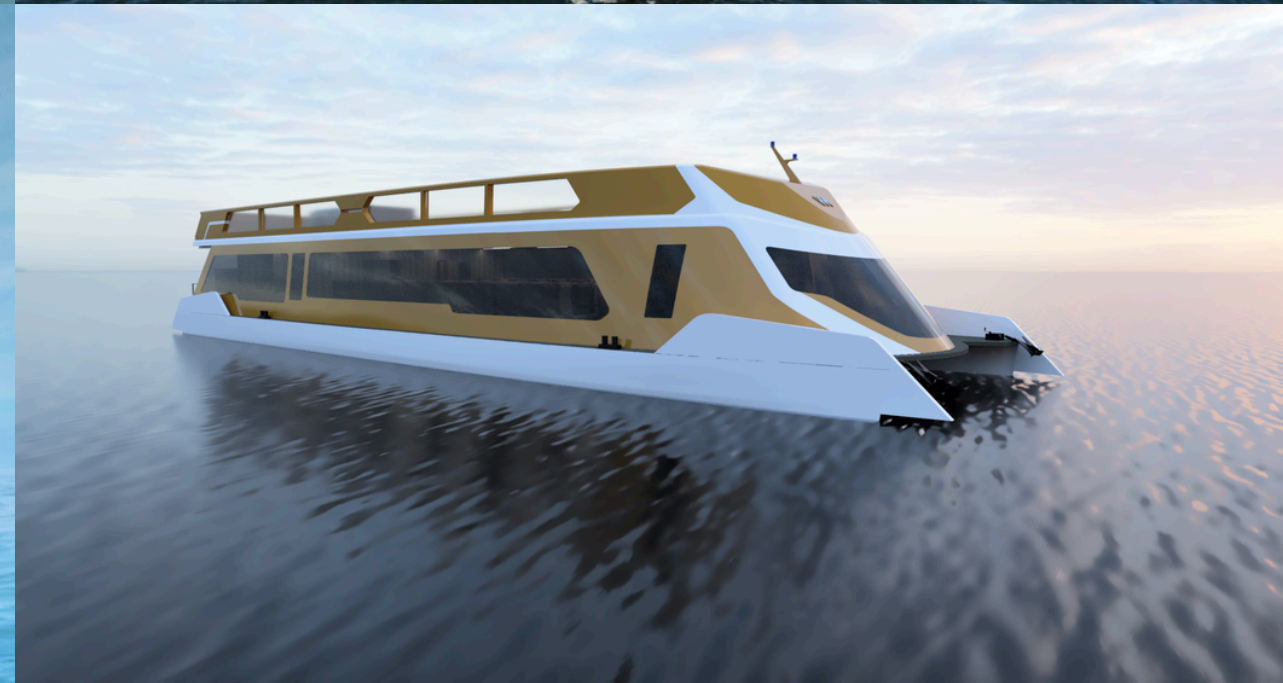
## India's First Solar Ferry











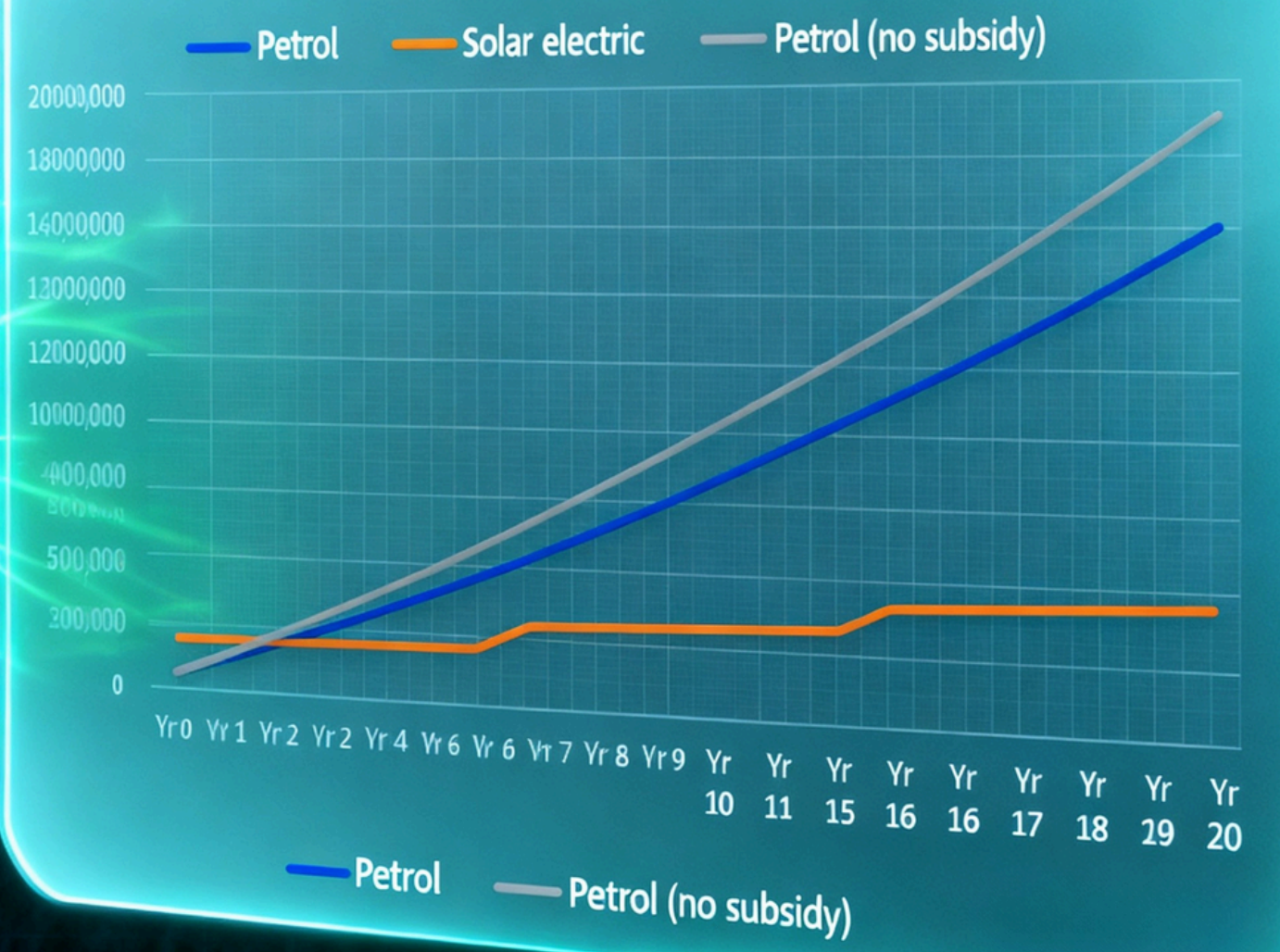




Srav



### TCO of Petrol and Solar boats





79 Total No. of Boats

40 Boats in Operation

39 Boats in Construction



Locations	
Israel 01	India — 75
Canada 01	Kerala — 49
Maldives 01	Uttar Pradesh — 05
Seychelles 01	Odisha — 04
	Punjab — 04
	Maharashtra — 04
	Madhya Pradesh — 02
	West Bengal — 01
	Karnatak — 01
	Tamil Nadu — 01
	Himachal Pradesh — 01
	Goa — 01

Applications	
Tourism —	50
Passenger Transport —	19
Fishing —	07
Vehicle Transport —	02
Work Boat —	01



# 2025



BanyanTree Finance



# Scale up Manufacturing

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10 Boats to 35 boats at a time

- ▶ New Yard (10 acre facility)
- ▶ New Battery Assembly
- ▶ 150 people to 250 people

# Product Development

- ▶ Green Tug system development
- ▶ High speed boats with hydrofoil

















 Navalt











The background of the image is a close-up, high-contrast photograph of ocean waves. The water is a deep, dark blue, with highlights catching the light on the crests and troughs of the waves, creating a textured, almost abstract pattern of light and shadow. The waves appear to be moving from the top right towards the bottom left, with some smaller ripples visible in the foreground.

Oceans, Electrified.