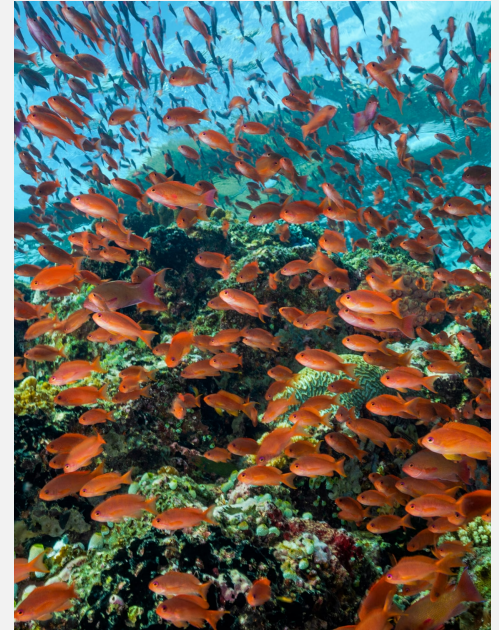
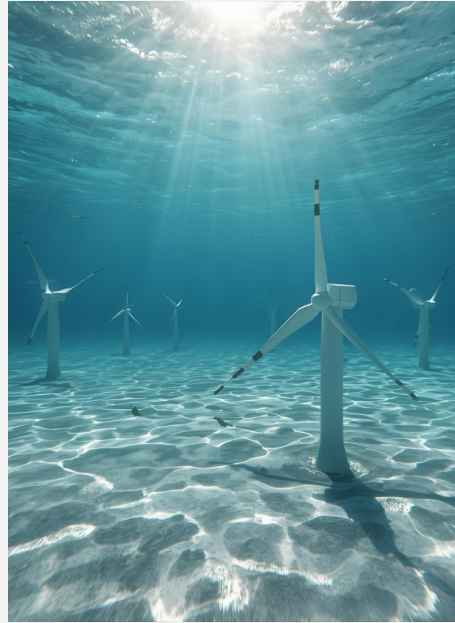


# DECARBONISATION OF ELECTRICITY GENERATION ON PHILIPPINE ISLANDS

## USING TIDAL STREAM AND PV SOLAR

A MITIGATION ACTION FACILITY (MAF) SUPPORTED PROGRAMME



### EFFICIENCY

- The Philippines has over **2,000** inhabited islands, many still powered by diesel generators.
- These systems are costly, polluting, and depend on **imported fuel**.
- At the same time, the country holds **170 GW** of untapped ocean energy potential, a vast, predictable, and renewable resource waiting to be used.

### THE OPPORTUNITY

- Predictable & abundant **tidal stream energy** around the islands.
- Hybrid renewable systems (TSE/PV + storage) = stable, clean, and cost-effective power.
- Targeting replicable, privately funded off-grid projects.
- Phase 1 ("First Movers"): 0.5–3 MW projects (launched Oct 2024)
- Phase 2 ("Main Programme"): 1–5 MW projects (from May 2026)

### PROGRAMME SNAPSHOT

- **€18.2 million** grant support to private projects
- **Focus** on replacing fossil-based generation on small islands
- In line with the Philippines' **Nationally Determined Contribution** goal to cut GHG emissions by 70% by 2030 and aligns with the Philippine National Climate Change Action Plan

## HOW THE PROGRAMME WORKS

- The **MAF-supported Tidal Stream and Solar Programme** aims to replace fossil-based electricity generation on the small islands of the Philippines with renewable hybrid systems (**TSE/PV + storage**).
- It supports replicable **projects** that can be scaled across the archipelago.

## IMPLEMENTATION PHASES

STARTED IN OCTOBER 2024

### PHASE 1: FIRST MOVERS

SMALL-SCALE PILOT PROJECTS  
0.5–3 MW



FROM MAY 2026

### PHASE 2: MAIN PROGRAMME

LARGER, REPLICABLE PROJECTS  
1–5 MW

- Both phases receive access to technical cooperation in strong cooperation with **Department of Energy Philippines (DOE)**, including:
  - Guidance on permitting and regulatory processes
  - Information on subsidies and tax incentives
  - Knowledge-sharing for investors and developers

## FINANCING MECHANISM

- **18.2 million EUR** MAF grant parallel with commercial loans from two partner banks in Philippines (Landbank of Philippines or Development Bank of the Philippines)
- The grant will support TSE CAPEX to de-risking the investment, unlocking private capital (local & international) and ensuring attractive equity returns (~15%)
- Grant support is capped at EUR 3.4 mn/MW of TSE installed for early projects and will be lowered in later phases.

## WHO'S BEHIND IT

- The programme is funded by the Mitigation Action Facility (MAF), formerly the NAMA Facility and supported by Germany, the United Kingdom, Denmark and the European Commission
- Implemented by Frankfurt School and IzN e.V.

## JOIN THE TRANSITION

- **Tidal Stream developers**
- **Renewable energy investors & manufacturers**
- **Finance and development partners**
- We invite you to partner with us in bringing clean, predictable, and sustainable power to the islands of the Philippines.

Contact us at:

- [y.jain@fs.de](mailto:y.jain@fs.de)
- [peter.wefers@izn-friedrichsdorf.de](mailto:peter.wefers@izn-friedrichsdorf.de)



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