



ADP Workstream 2



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Renewable Energy for Pacific SIDS

The Rationale:

- Break the domestic dependence on imported fossil fuels to ensure that energy supply becomes stable, accessible and affordable.
- Play a positive and pivotal part in the global transformation to low-carbon and renewable energy.



Majuro Declaration for Climate Leadership

Incremental progress...

Outer Islands Solar Project

95% solar power for outer island households and public facilities



Incremental progress...

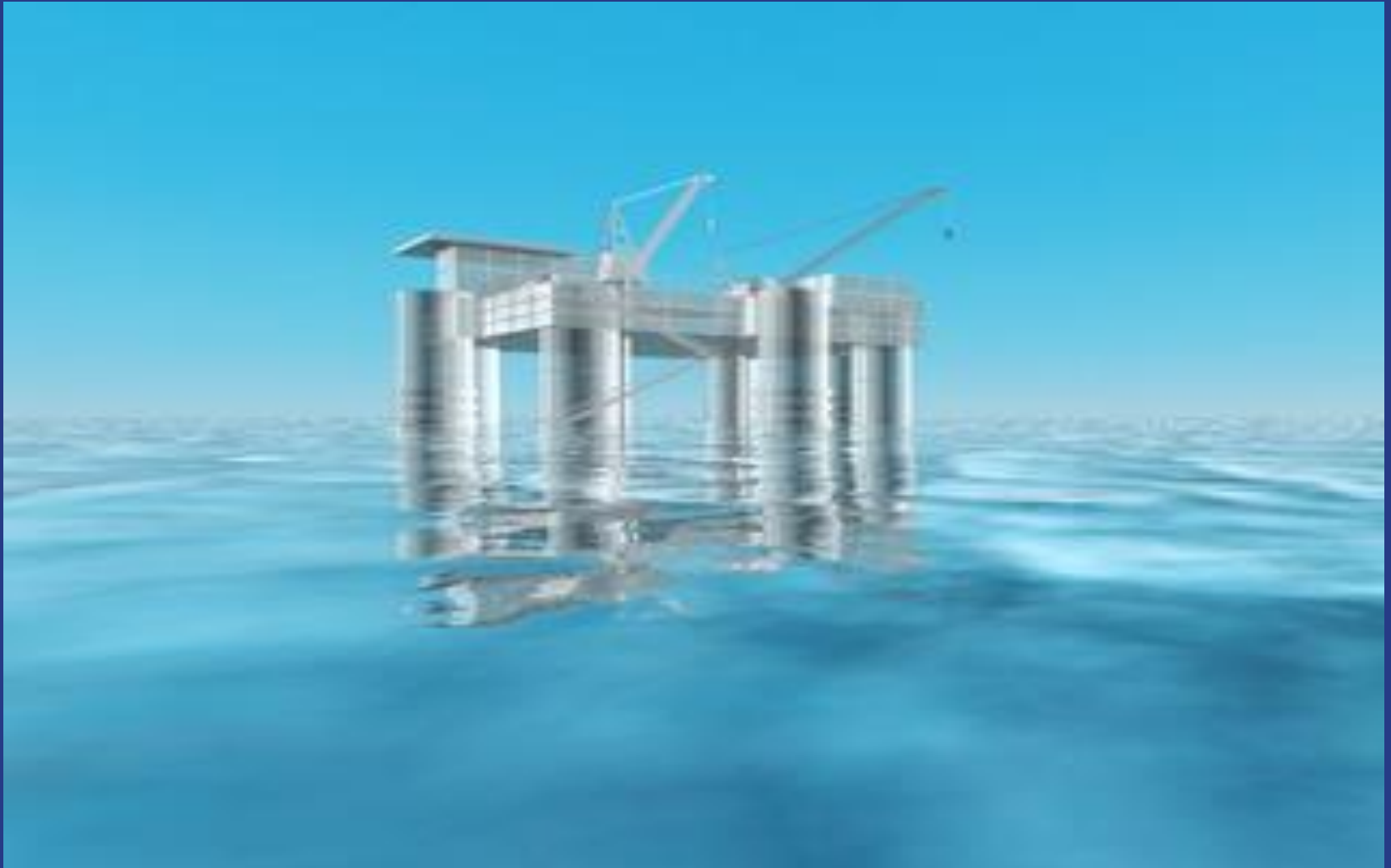
Solar-to-grid: 200 kW → 1 MW or more



Barriers

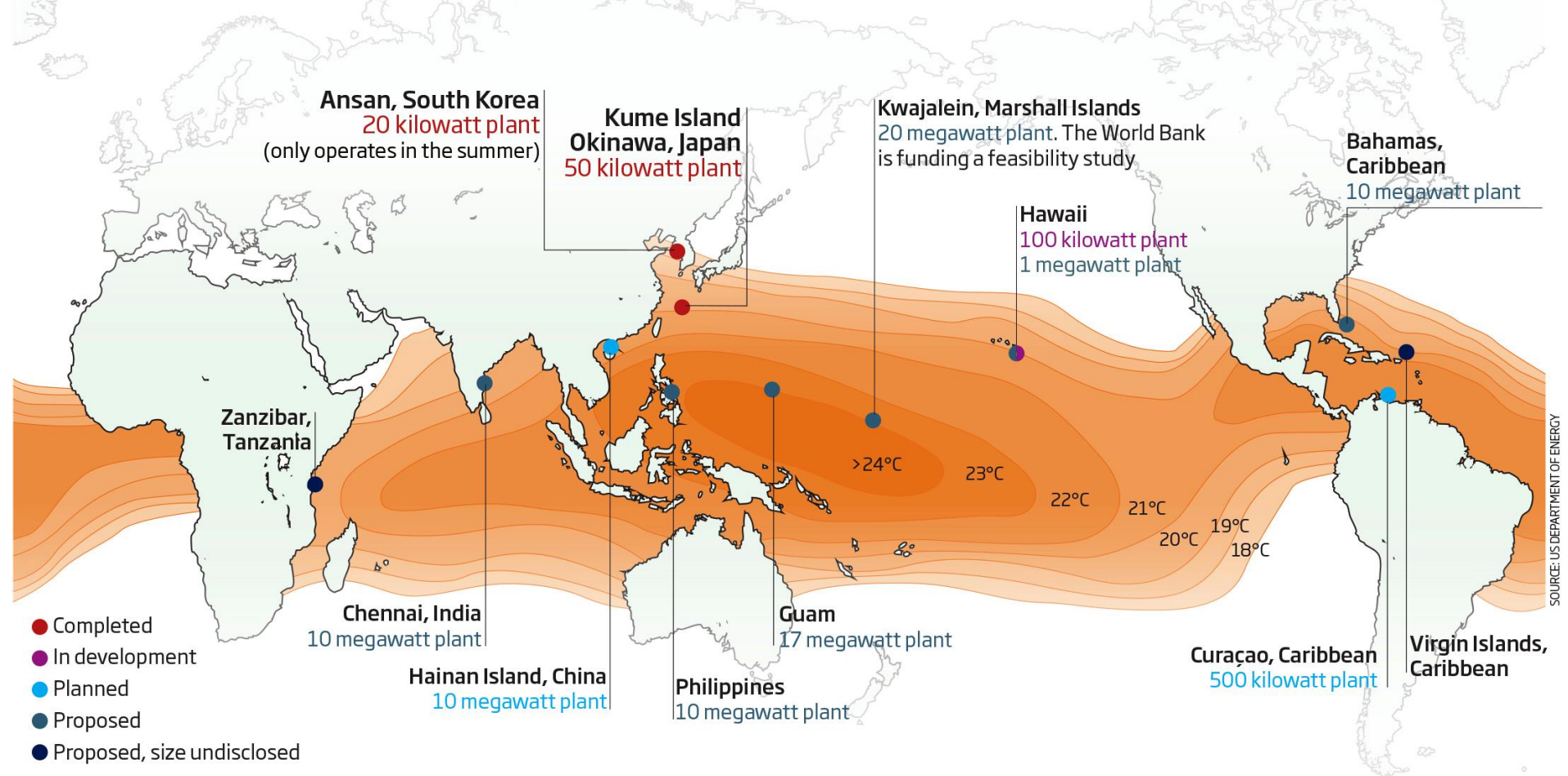
- Lack of affordable, up-front finance
- Threat to grid stability by increasing proportion of renewable energy
- Lack of national capacity for planning, installing and maintaining infrastructure and equipment
- Navigating different donor priorities to find a finance match

Ocean Thermal Energy Conversion (OTEC)



Oceans of power

To create an ocean thermal energy conversion (OTEC) power plant, the **temperature difference** between the ocean's surface and deep waters must be at least 20°C. That means the world's existing and planned stand-alone OTEC plants all sit within the planet's warm "equatorial waistband"



Barriers

- Assess and compare competing technology and project plans
- Inexperience with private capital and investment at scale
- Managing negotiation of possible power purchase agreement (PPA)
- Market and manage export of by-products