

# Maetec

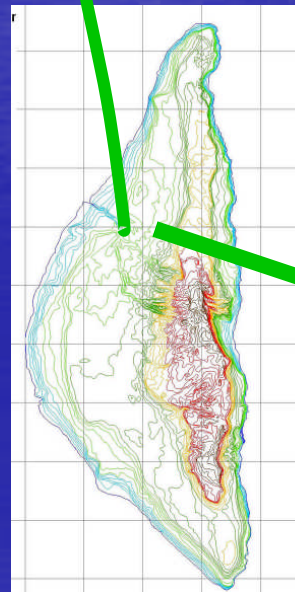
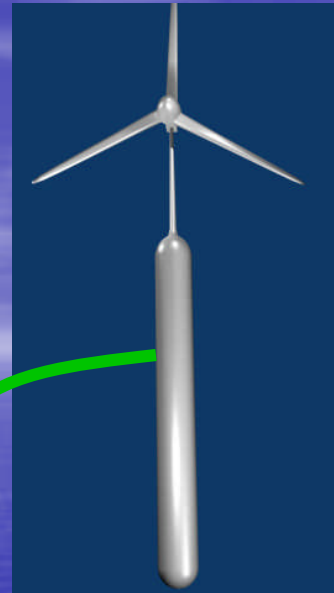
## Ocean Energy Capture System

**provides  
eco-friendly  
reliable energy  
at a  
lower cost**



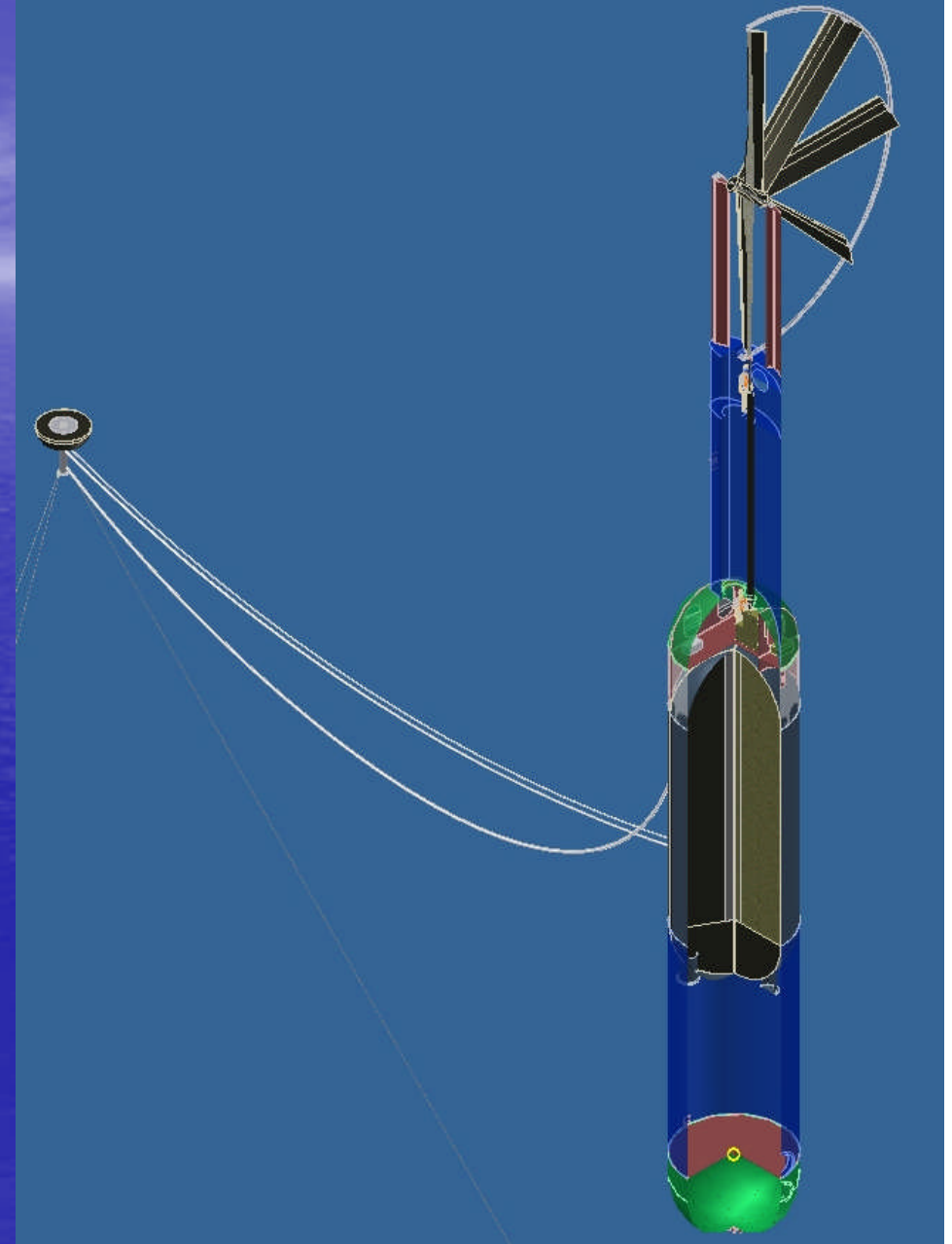
# How It Works

1. Wind and OECS make and store Hydrogen gas
2. Underwater line transfers gas to shore power station
3. Gas drives standard generator
4. Generator feeds existing power lines



# OECS Device

1. Wind turns robust turbine blade
2. Turbine drives alternator to produce electricity
3. Electricity separates Hydrogen from water and stores in onboard low-pressure tanks
4. Underwater line transfers gas to shore storage
5. Entire device floats about half submerged and swivels around permanent anchor



# Hydrogen

- Hydrogen can be used to:
  - Make electricity for commercial utility use
  - Power vehicles
  - Heat buildings and homes
  - Store energy over long periods of time
  - Transfer energy
  - *All without creating any pollution when using the OECS system*

# Cost of Diesel

- Varies too much for budgeting
- Direct Cost
- Economic Cost
- Environmental Cost

Rolling Average Prices - Diesel - 1 January 2004 to 3 May 2009



# OECS Project Benefits

- Creation of new island industry
- Jobs in marine operations, carbon fiber fabrication, energy distribution
- Turns trade deficit into export positive
- Money stays locally instead of exported from island
- Lower stable electrical prices not tied to Singapore Index
- Clean Renewable Reliable Energy!