

Floating Solar Box

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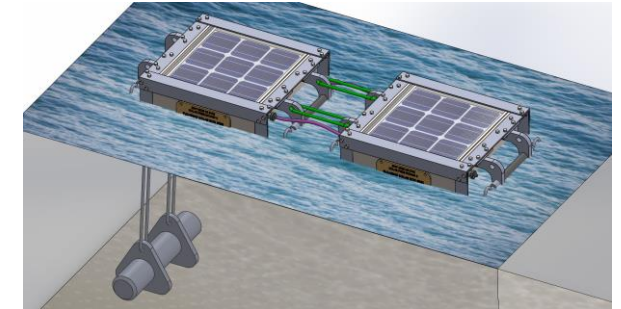
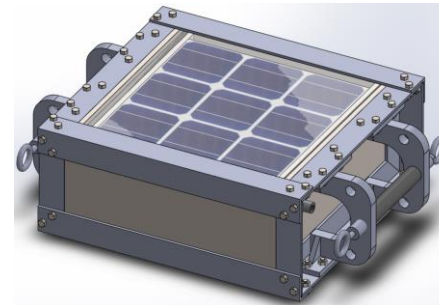


The Problem – Market Need

- Federal agencies (NOAA, Navy) have large networks of sensors operating in the ocean.
- Ocean industries need low-cost and sustainable power supply for unattended sensors/devices.
- Traditional battery is limited on long-term operation and has environmental concerns.
- Wind, wave-based power systems have large footprint, are costly to deploy and maintain.

Our Solution – Floating Solar Box

- Floating solar box with energy storage control electronics.
- Low cost, scalable, deployable anywhere on the ocean.



Team Leader – Dr. Changzheng Huang

- Invented modular twin turbine (MTT).
- Designed 3.4MW grid-connected MTT system to harvest ocean tidal energy.



Application Example – Monitor Underwater Turbines

- Aegis Technology developing underwater tidal turbines.
- Floating solar box is integrated to monitor turbine farm.

