# Deep Sea Chargers

Team Odyssey

# Sources of Inspiration

- PUB's floating solar panels project
- Tesla's Superchargers Charging Stations
- Combined features from both products, giving rise to floating solar panels that can quickly charge electric ships

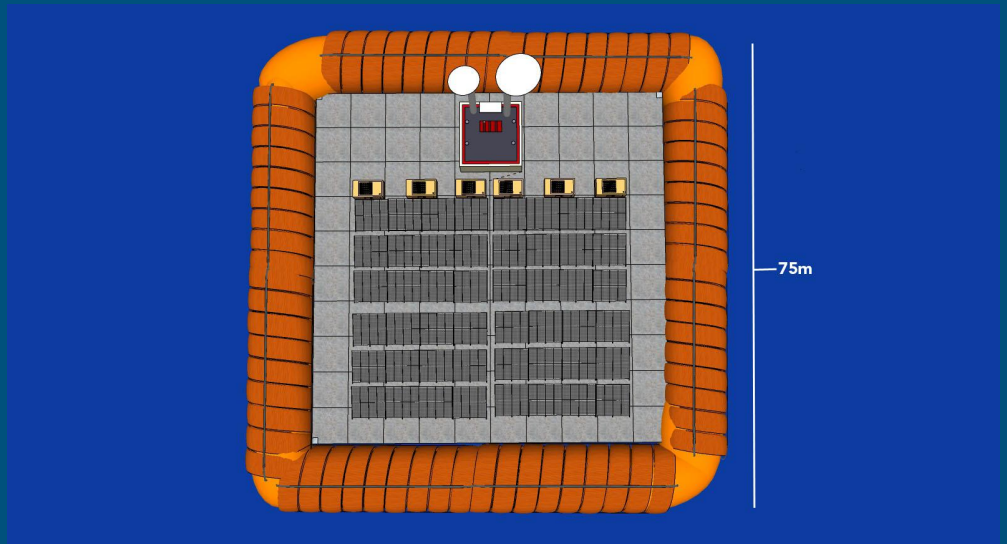
# About Deep Sea Chargers

The idea behind Deep Sea Chargers is our pursuit for a shipping industry dominated by electric ships, where electricity is generated through clean energy, for a cleaner world.

The charging stations utilise solar energy captured to provide electricity for electric ships. Solar UV radiation is a form of non-ionising radiation. Solar panels work by allowing particles of light, to knock electrons free from atoms, generating a flow of electricity.

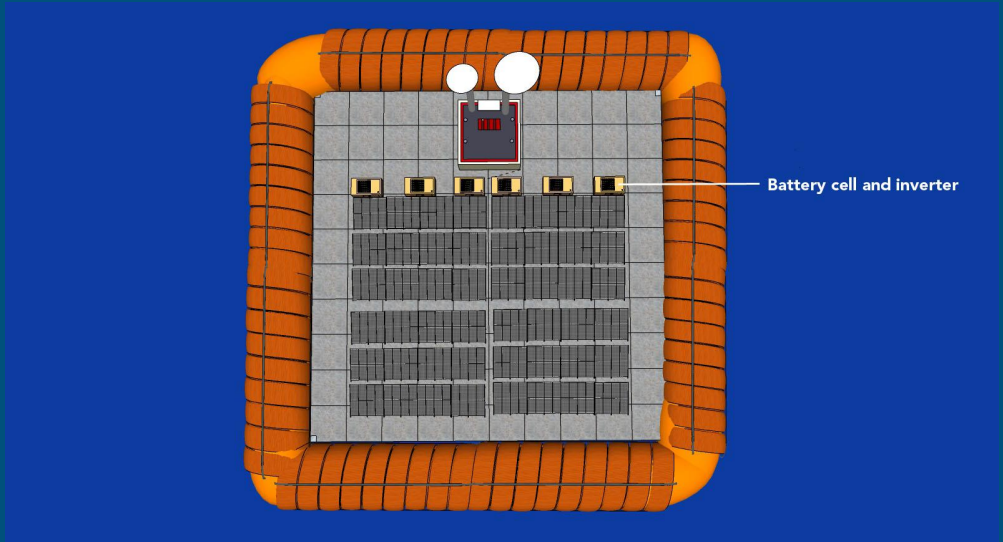
# Design

- Charging stations measure 75m by 75m, consisting of solar panels and tidal turbines that generate electricity.



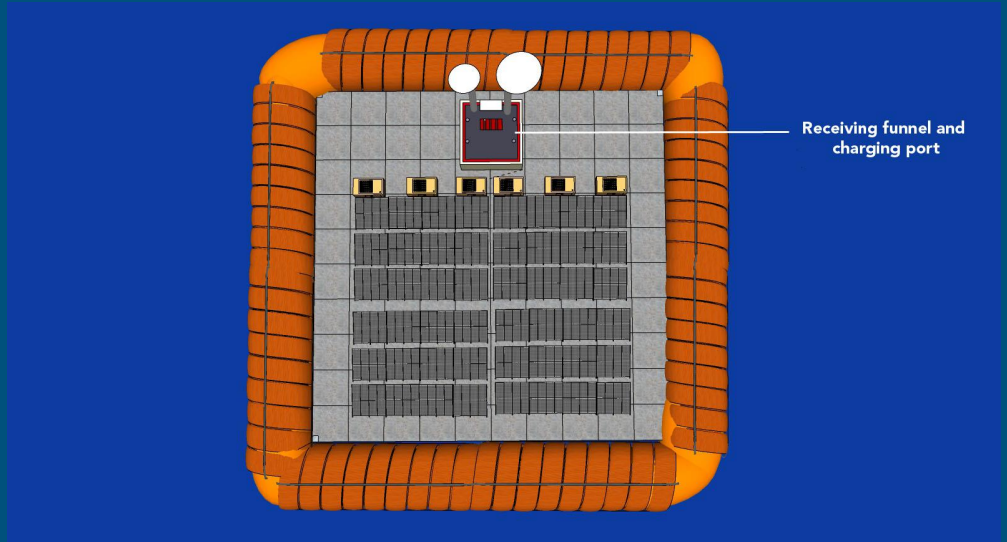
# Design

- Electricity collected will be stored in a central battery cell on the platform.



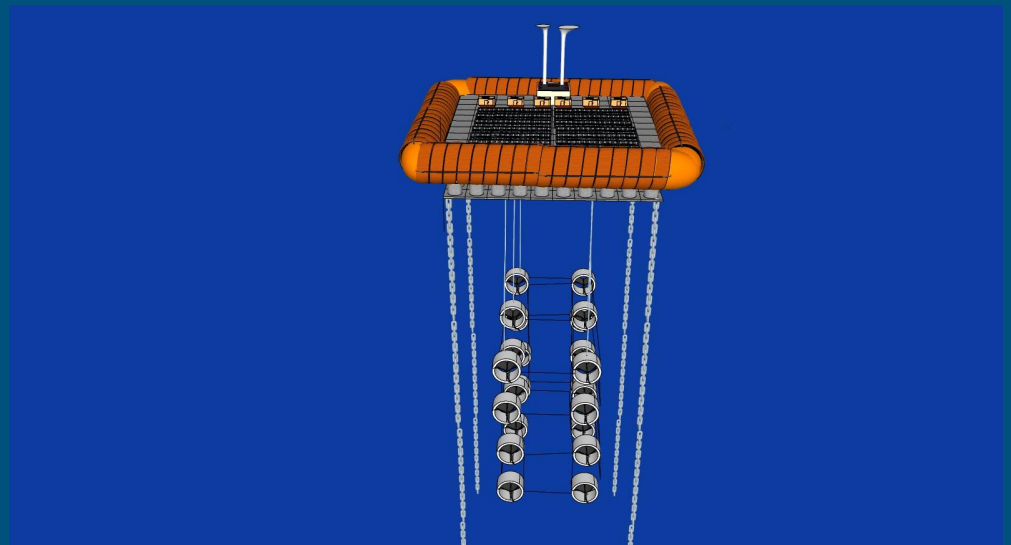
# Design

- Ship owners can easily drop their charging cables into a receiving funnel on the charging ports, allowing their ships to be charged.

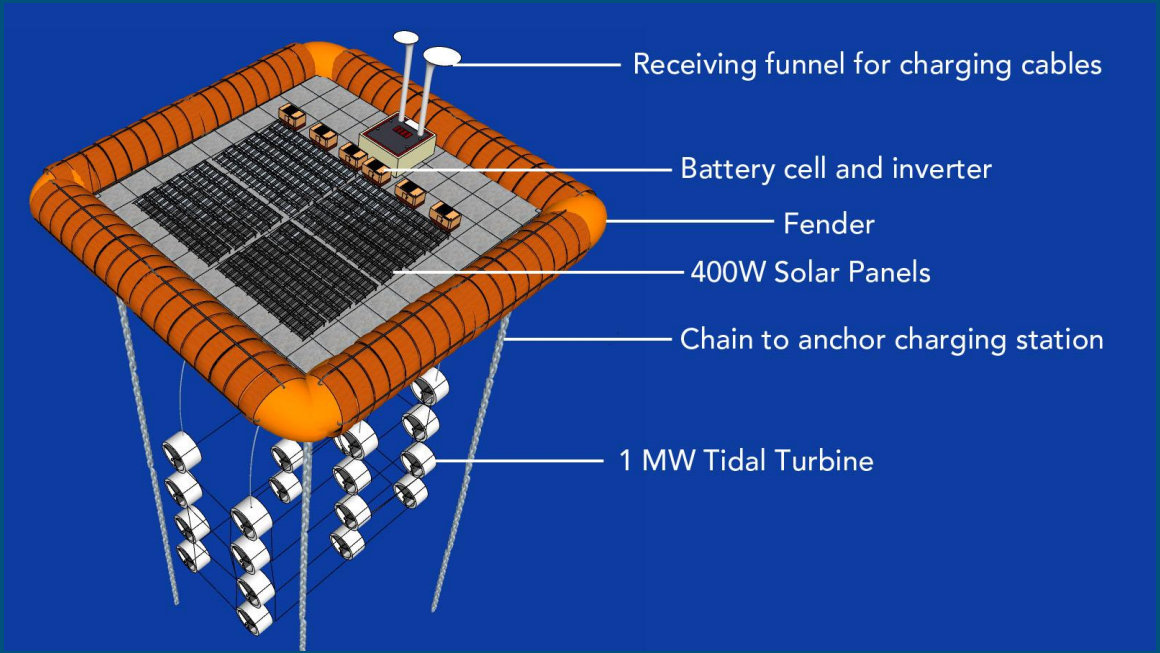


# Design

- As the charging stations do not contain flimsy components and moving parts, it is robust and reliable. Regular maintenance is also minimised.



# Diagram of a Charging Station



# Thank You

# Help give us your feedback!

https://tinyurl.com/deepseachargers