

# Team Radar Wave

## Powering an Offshore HF Radar Transmitter with a Wave Energy Converter to Expand Ocean Surface Current Measurements

**Description:** We will design a Wave Energy Converter to power an offshore High Frequency (HF) Radar Transmitter. The system will be deployed and recovered from a 42' vessel with a lifting capacity of 2000 pounds, keeping deployment and recovery costs low. It will provide the ability to significantly expand the existing ocean surface current coverage in the Integrated Ocean Observing System (IOOS) HF radar network.

