



Marine Renewable Energy Collaborative

# MOST

*The Massachusetts Ocean Sensor Testbed*



## The MOST Capable and Cost Effective Solution for Long Term Marine Sensor Testing

Sensors that can survive and operate in harsh marine environments are critical to development of the Blue Economy: You can't manage what you can't measure. However, long duration testing in actual ocean waters is challenging. MOST provides a cost effective solution for instrument developers:

- **Connectivity** – With broadband and power available on the test stand, instruments can be continuously monitored.
- **Accessibility** – Located near shore, sensors can be inspected or maintained whenever required. A lifting arm allows variable depths and quick access for short term testing.
- **Security** – MOST is sited at the Bourne Tidal Test Site in waters adjacent to the US Army Corps of Engineers canal headquarters and is under continuous observation.
- **Stability** – With three piles set deeply into the bottom, the BTTS platform provides the ability to mount sensors securely regardless of weather conditions.
- **Variable Conditions** – In ocean waters of 7 meter depth, velocities of up to 2 m/s, and an active marine environment, MOST provides conditions that will stress marine sensors while subjecting them to fouling and corrosion.
- **Value** – MOST has capability for long testing at low costs.

The MOST staff has broad ocean and testing experience with applicability to a wide range of industry applications. This total package assures rigorous testing in the MOST cost effective manner.

Applications now be accepted for testing in Spring of 2022.

