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Nov 17th, 9:15 AM - 10:00 AM

Session 1 Presentation: Ocean Testing of a Power-Capturing Wave Buoy

Kathleen Edwards Ocean Power Technologies

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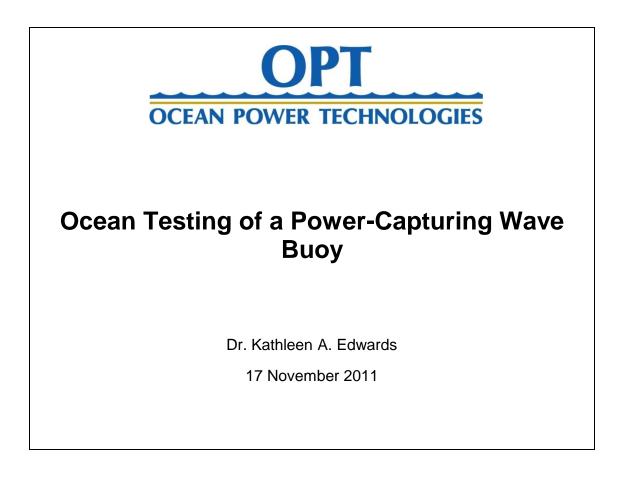
Edwards, Kathleen, "Session 1 Presentation: Ocean Testing of a Power-Capturing Wave Buoy" (2011). Ocean Waves Workshop. 1. https://scholarworks.uno.edu/oceanwaves/2011/Session1/1

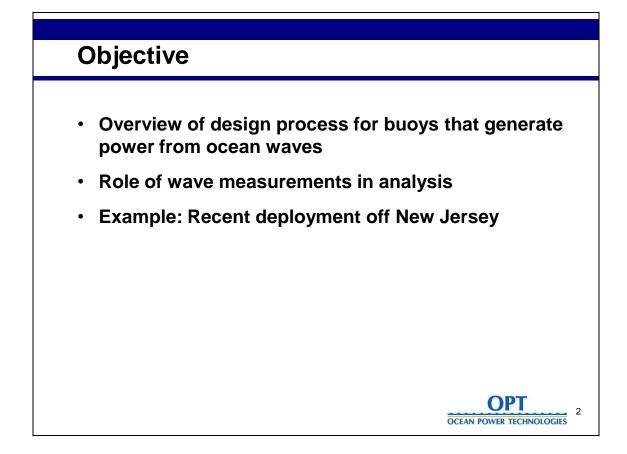
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Session I - Use of wave measurements to support operations, as well as alternative energy.

Various technologies are used to accurately measure waves in the ocean. In some places, knowing the impact that the waves are having on structures is critical to operations. For example, officials may close a coastal road after detecting overtopping waves or cancel maintenance on offshore wind facilities. This session assesses developments and applications in the field of wave monitoring and their practical use to support various operations. Participants help define how wave research and observation programs culminate in providing information for end-users. The following paper and extended abstracts relate to the use of wave measurements to cope with a range of issues from coastal erosion and climate change to marine spill response and flooding.

Session Presentation by Dr. Kathleen Edwards





The Company: Ocean Power Technologies



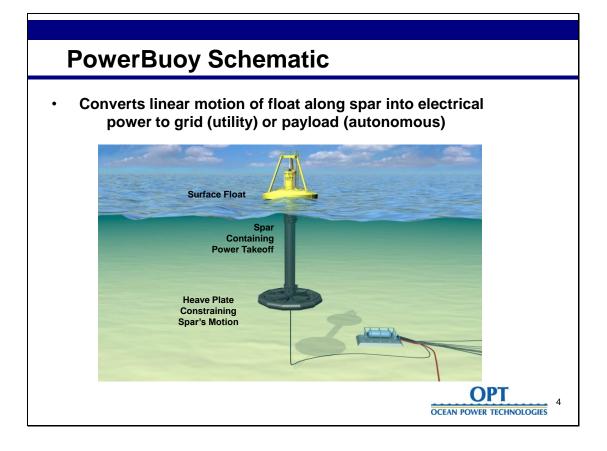


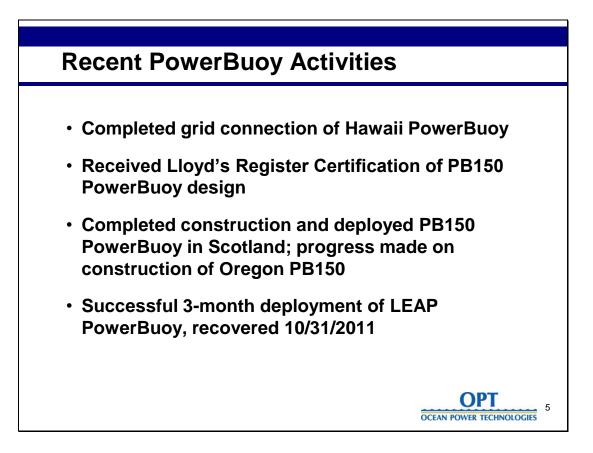


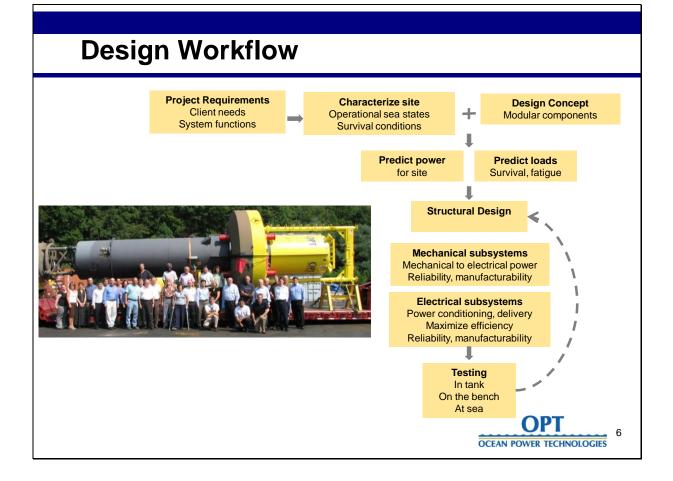


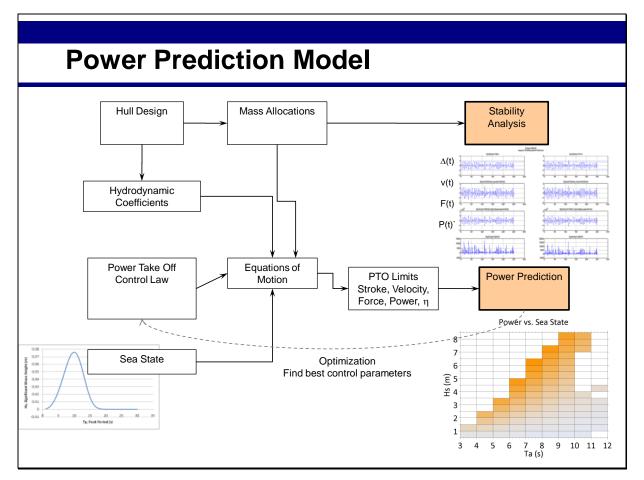
- Commenced active operations in 1994
- Headquarters in Pennington, NJ. Subsidiary in Warwick, UK
- 50 employees, primarily engineers and scientists
- Nearly 15 years experience in producing electrical power from ocean waves
- Ocean-tested, proprietary technology – 48 patents issued
- Listed on NASDAQ (symbol OPTT)

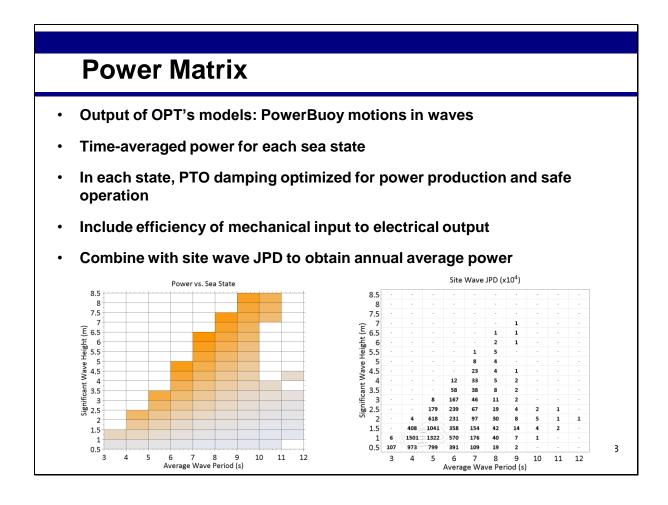












LEAP Deployment

- Littoral Expeditionary Autonomous PowerBuoy
- Contracting Agency: Naval Undersea Warfare Center (NUWC) Keyport Contracting Officer's Representative (COR): Matt Binsfield Email: matthew.c.binsfield@navy.mil Phone: (360) 315-5862
- Autonomous power source for radar payload used for surface current mapping. Requires continuous power delivery independent of wave conditions
- On 10/31/2011, completed 3-month ocean test off NJ



