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SOUTHEAST NATIONAL MARINE  
RENEWABLE ENERGY CENTER

**U.S. Department of Energy Center**  
and  
**State of Florida Center of Excellence**  
designated at Florida Atlantic University







# Waves





# Tides

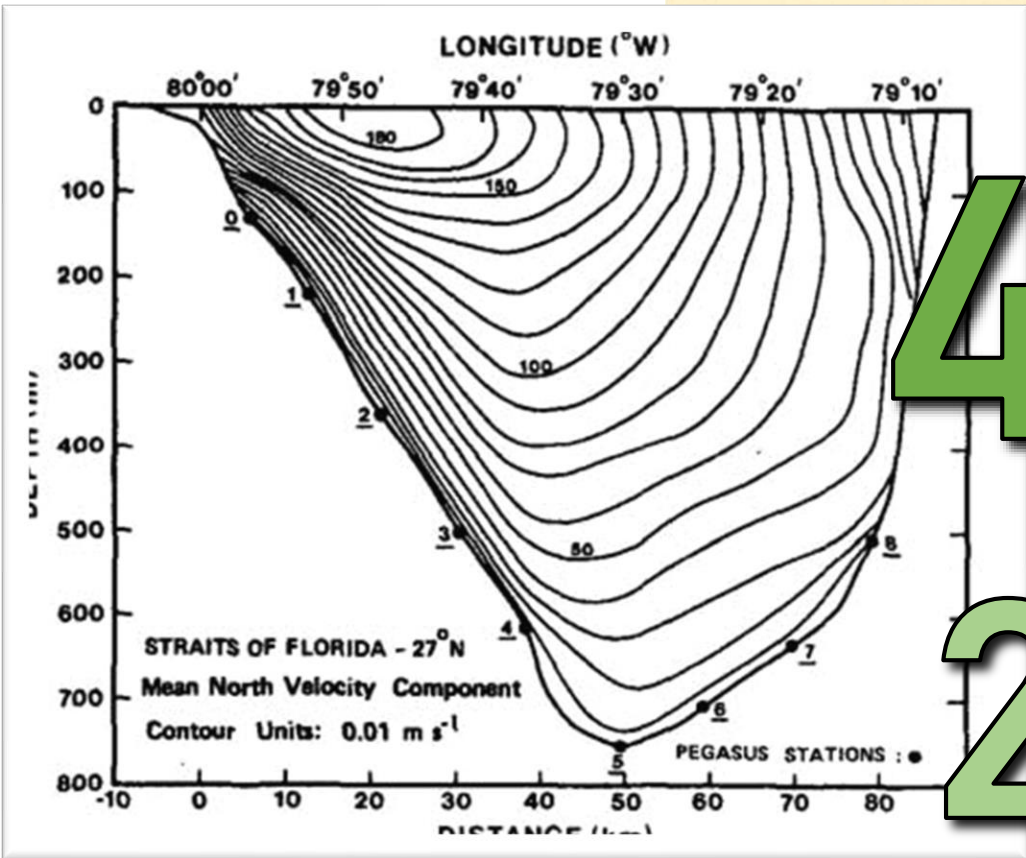
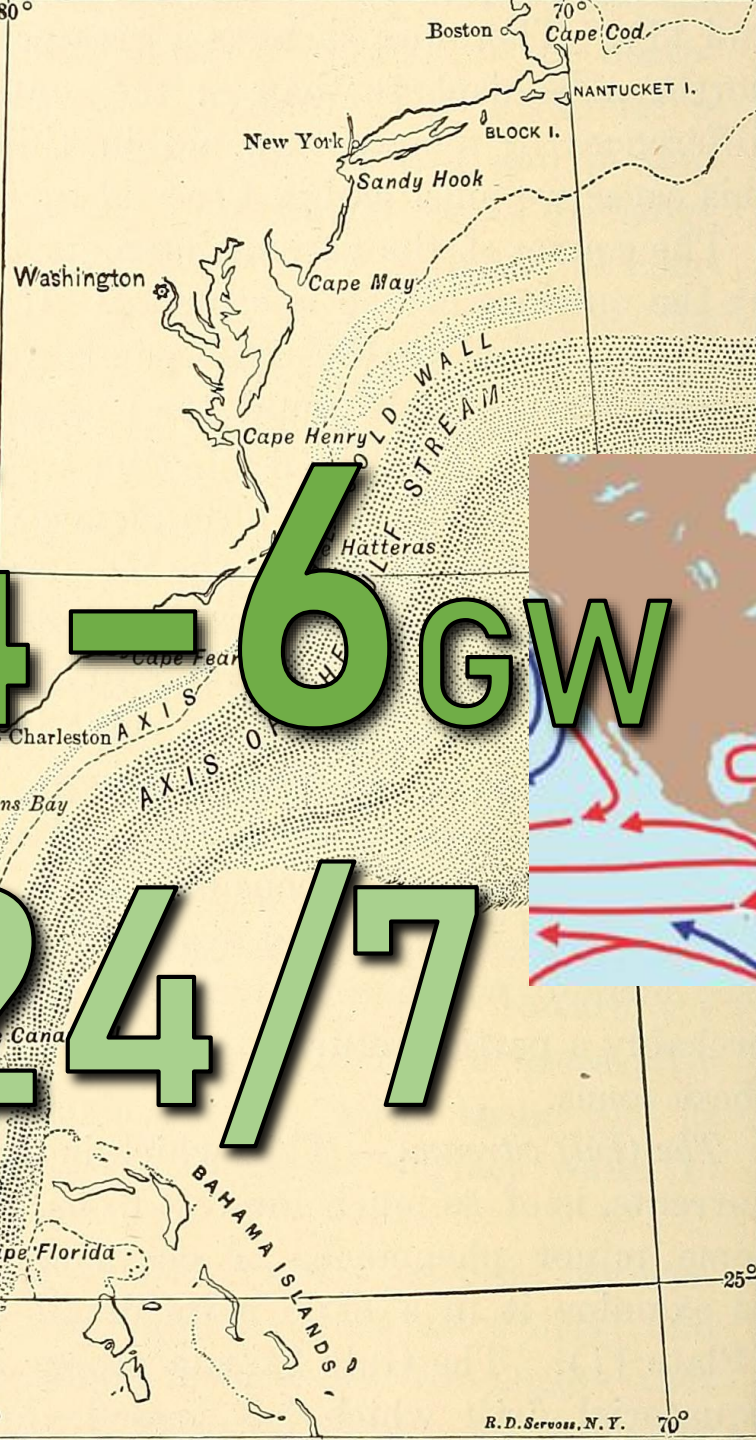


# Ocean Currents

07 21 2003



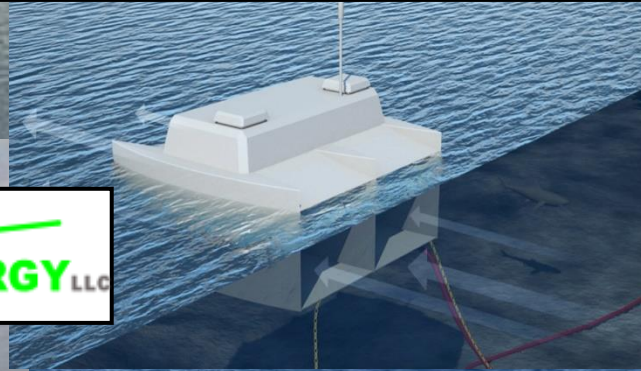
CHART OF THE  
GULF STREAM  
SHOWING ITS AXIS AND LIMITS



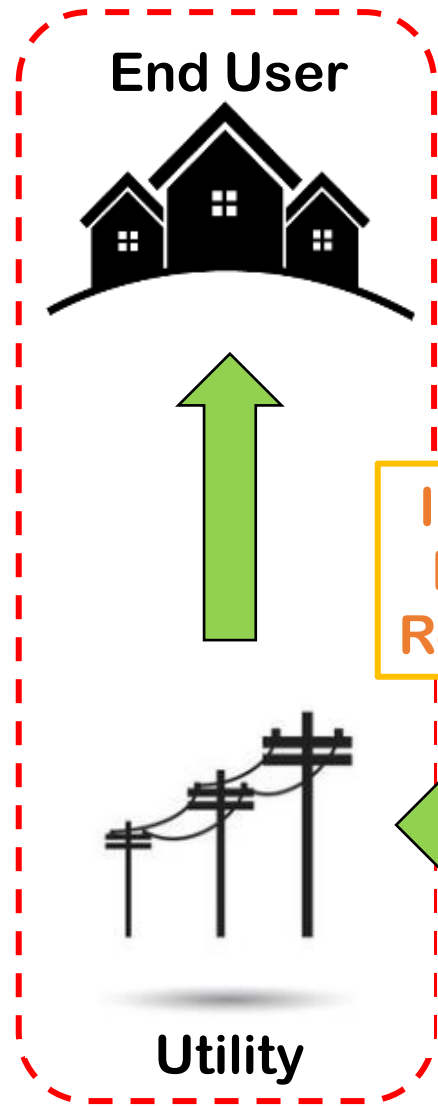
4-6 GW  
24/7



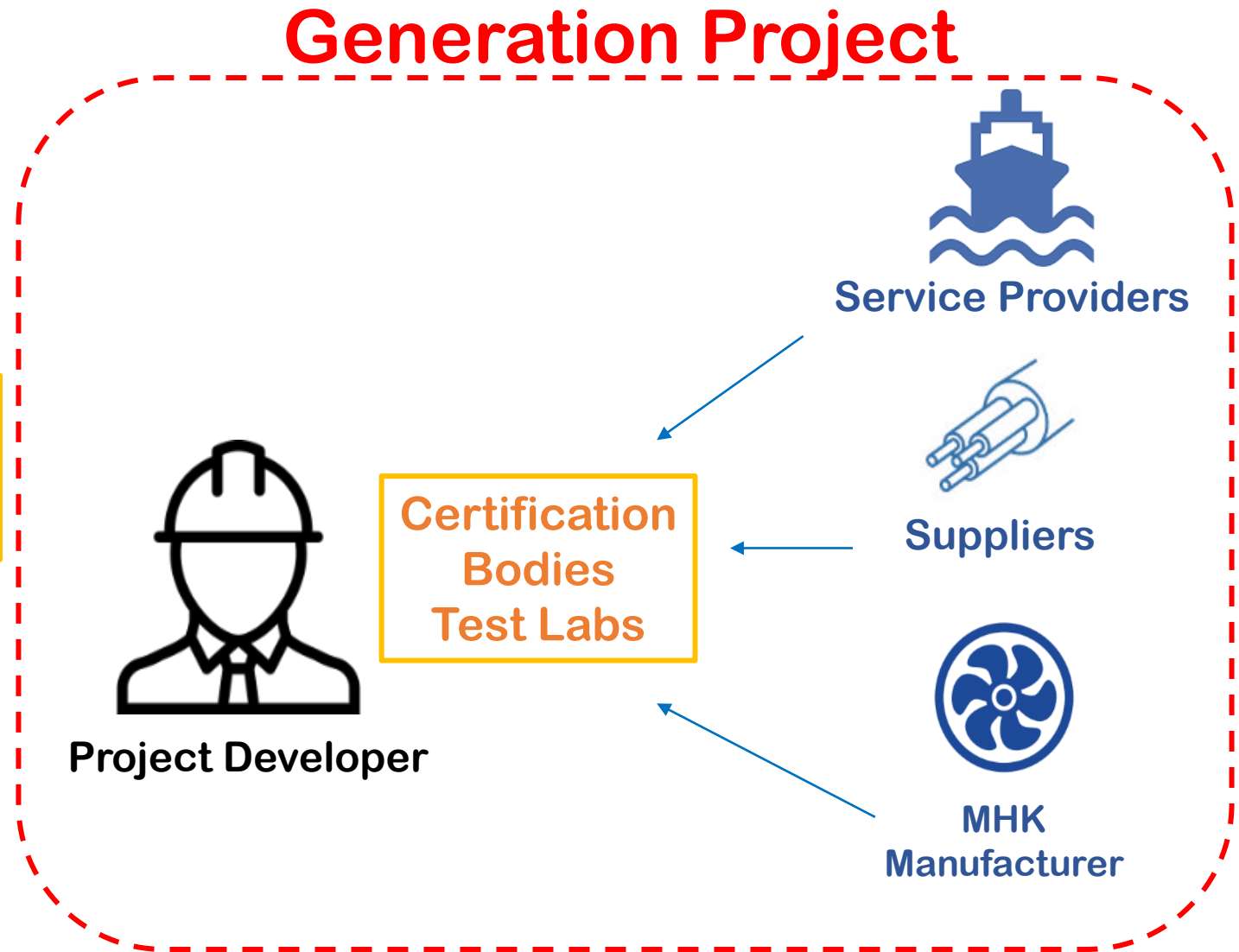






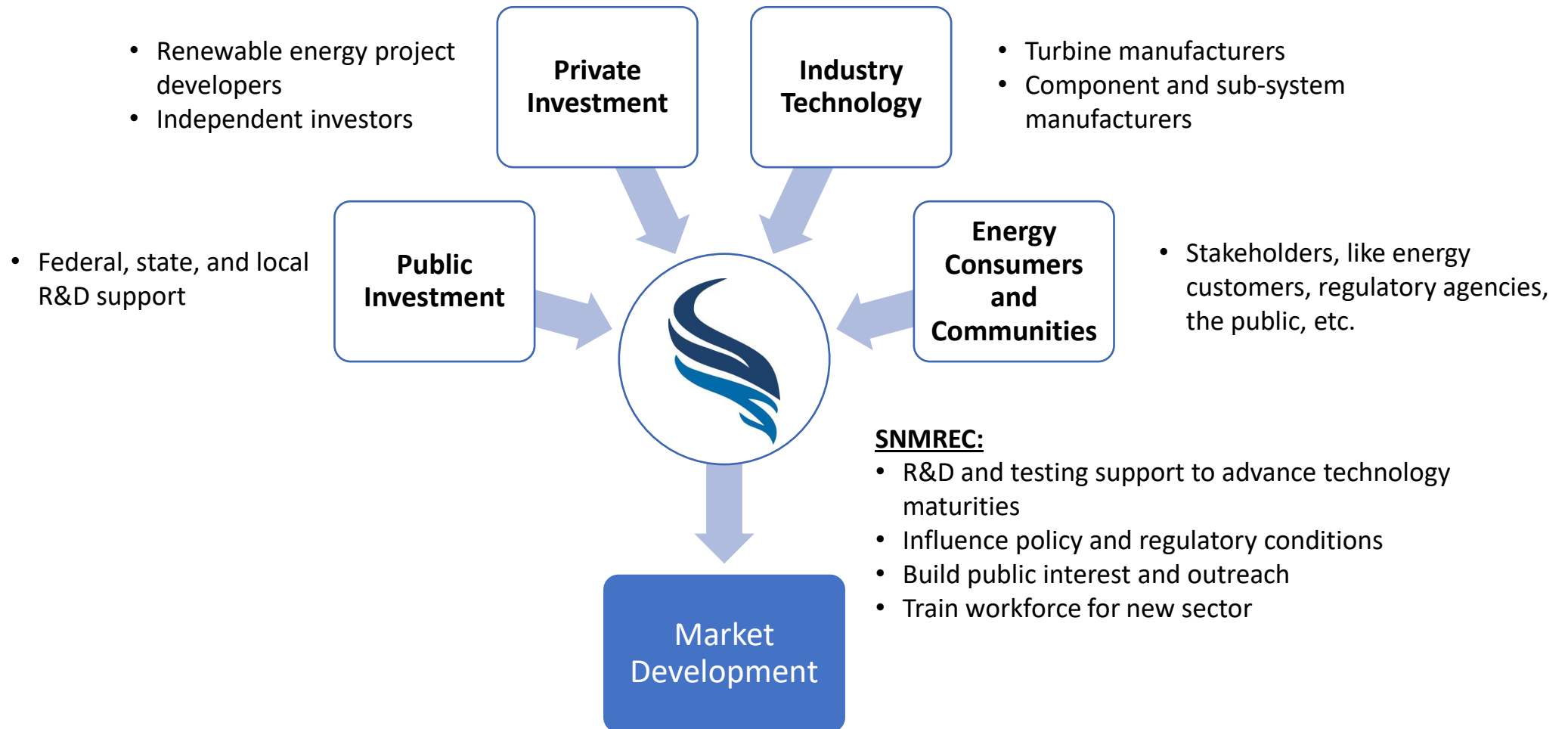


# Market

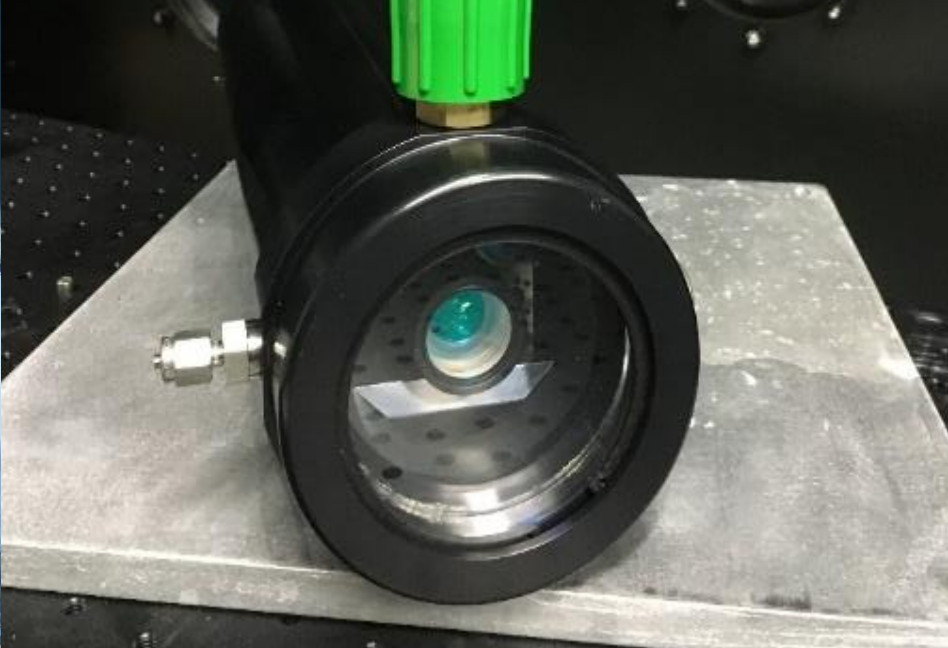




# Fostering University, Industry and Public Partnerships to Create an Ecosystem for Energy Market Development

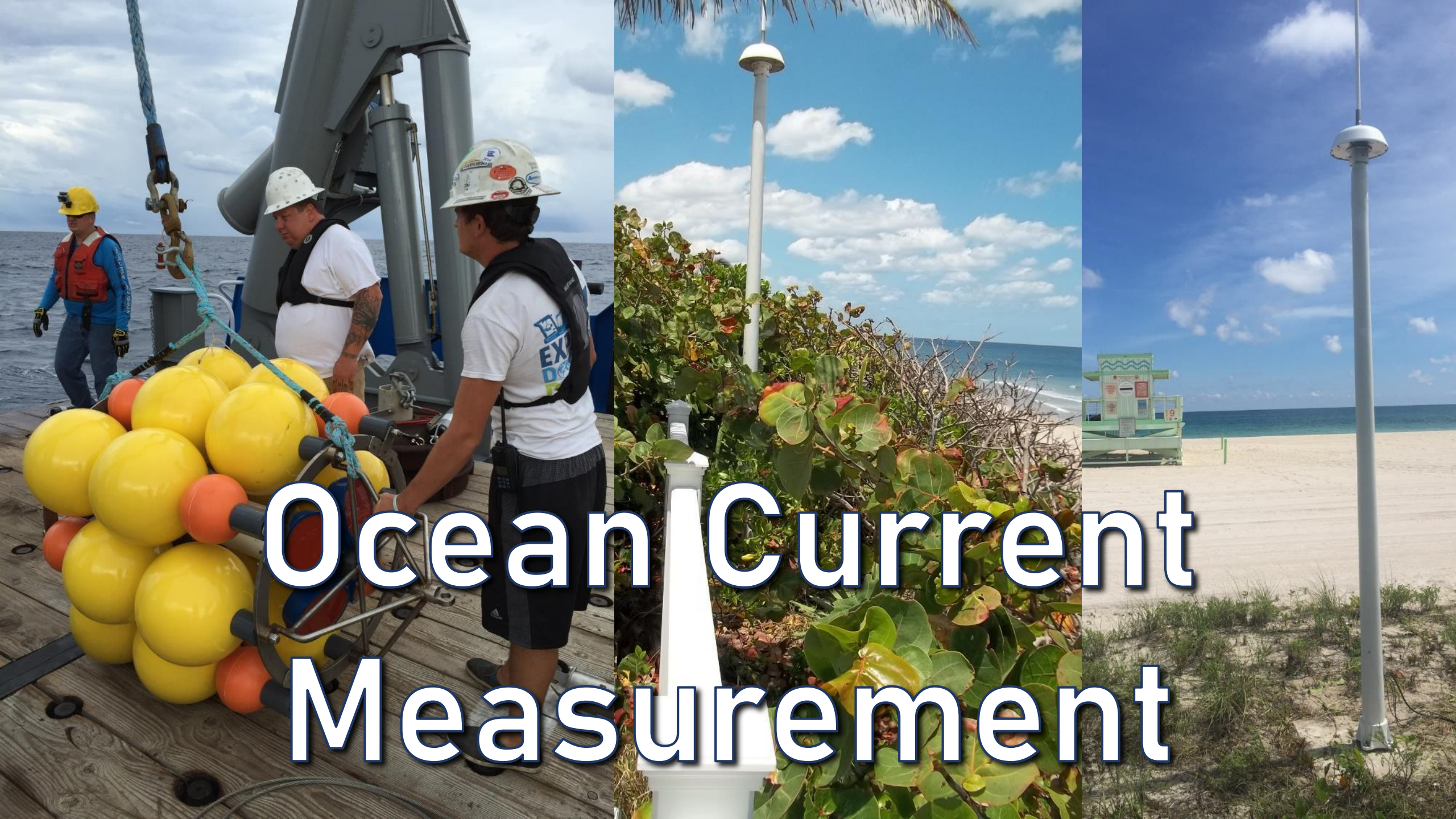






# Environmental Research





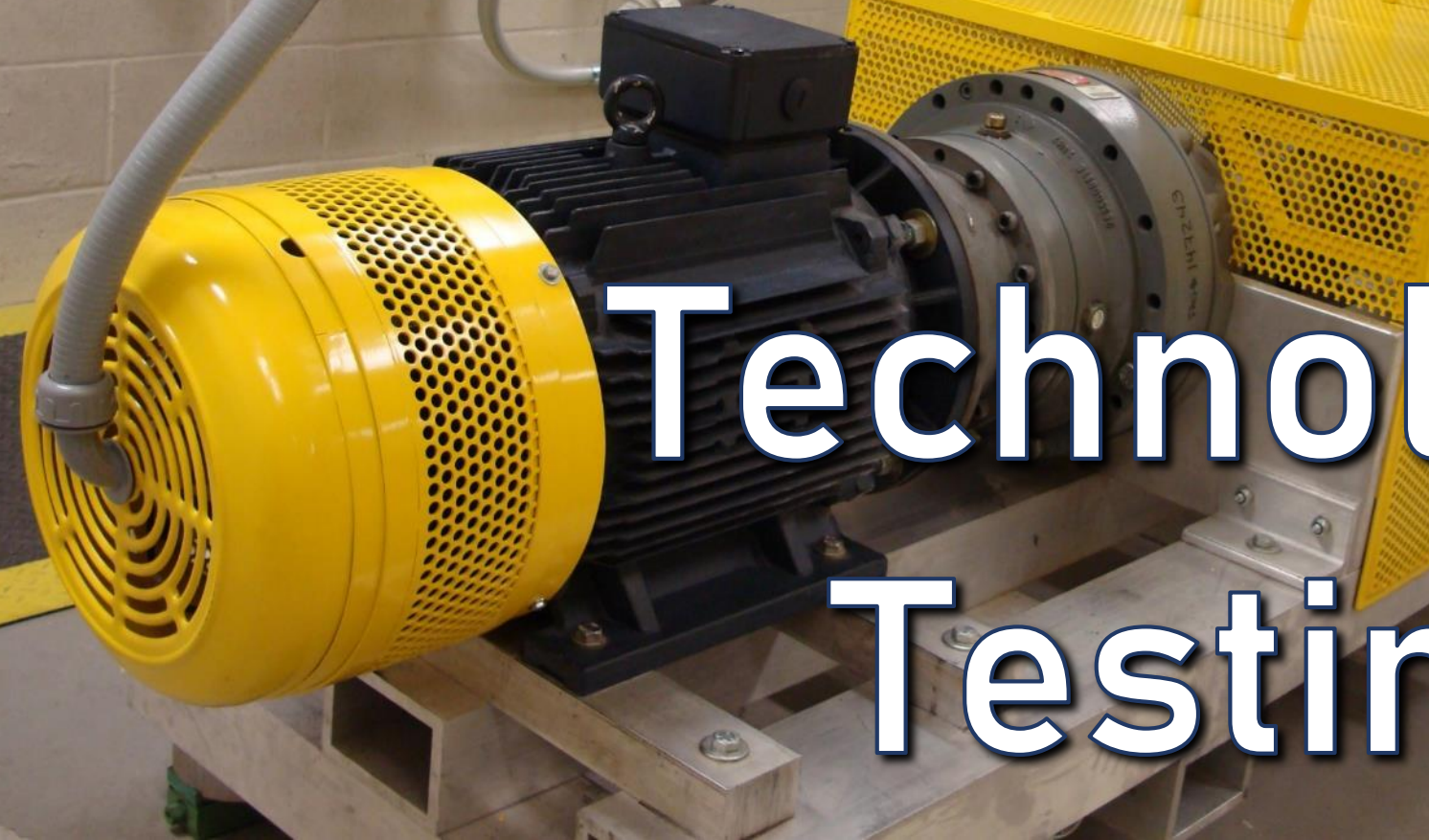
# Ocean Current Measurement





# Technology Development





# Technology Testing





# Education & Outreach



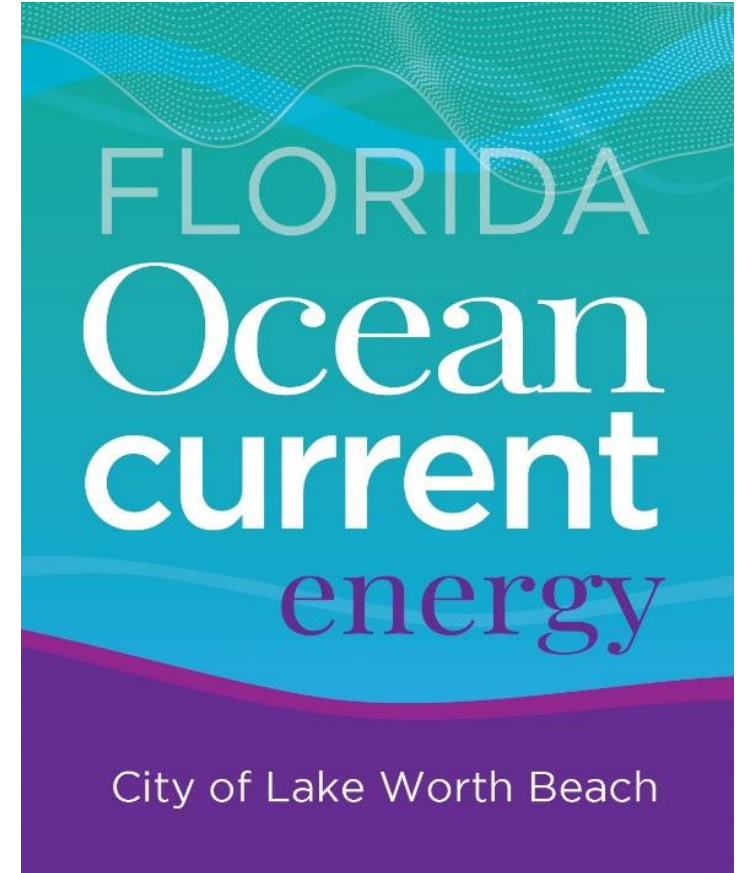
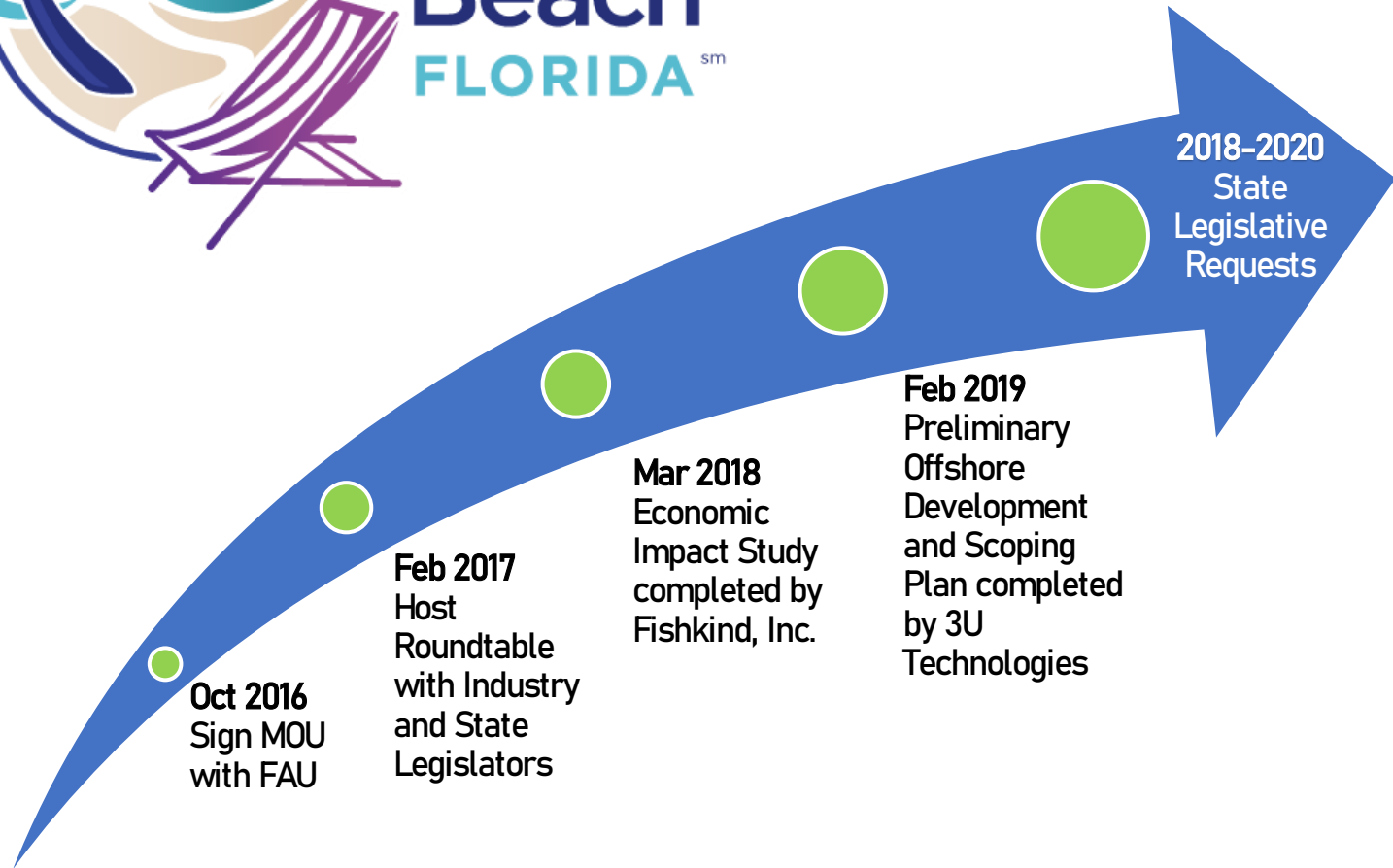
# What is left to do?

- Help technology companies refine concepts into viable energy generating products
- Establish offshore/onshore grid infrastructure to receive generated power for testing and R&D
- Continue to identify and reduce barriers to project siting
- Foster local ecosystem to support future industry





City of  
**Lake Worth  
Beach**  
FLORIDA<sup>sm</sup>







- Innovative Community
- Municipal Utility
- Economic Opportunities
- **Nearshore** Infrastructure

- Marine Energy Leader
- Federal and State Impact
- Private Sector Engagement
- **Offshore** Infrastructure