ORPC Autonomous Turbine Generator Unit

Presented to

6th Annual Entrepreneurs Forum

Group 2 Flash Talk, 3:15-3:45pm

August 26, 2020







Nathan Johnson, Vice President - Development

Proven technology





A Decade of Innovation from Maine and Alaska to Global Markets



2010 Largest ocean energy device deployed in U.S.



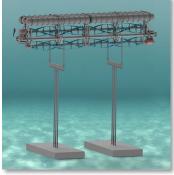
2012
First ocean energy device to connect to regional grid in all of the Americas



2013 Catamaran retrieval reduces costs by 60%



2014-2015 Self-deployment using ballast system



2016-2019
Buoyant tensioned mooring system



2019-2021 Commercial river system with storage and smart grid



2020s Autonomous, self-propelled system

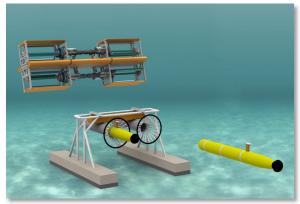


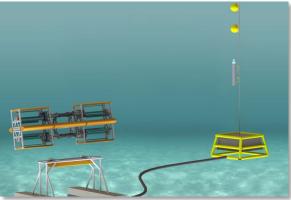


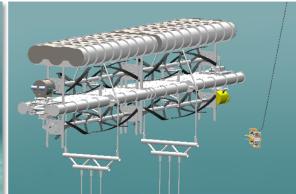


Market Applications

Military & Defense	Mobile Power & Platform	Tethered Life & Maintenance
UUV Charging	Site surveys & characterization	Subsea construction, heavy lift
Surveillance	Sensing networks	Subsea operations & maintenance
Counter Measures	Ocean chemistry collection & analysis	Subsea equipment relocation
Port Security	Geotechnical surveys & coring	Subsea salvage
Ocean Passage Monitoring	Deploying or retrieving instrument packages	

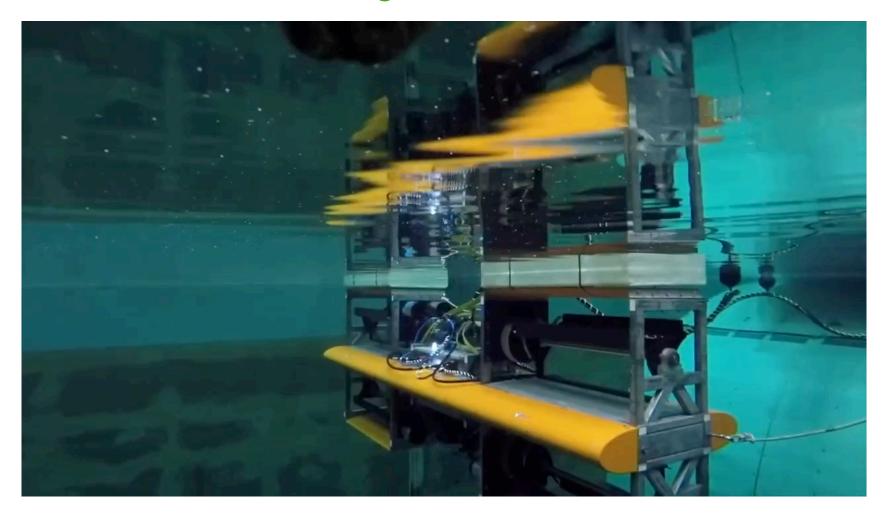








Autonomous TGU Testing





Can a Small Maine Town's Innovation Turn the Tides on Sustainable Energy?



The Search for Energy Takes a Turn Underwater



Thank you!

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The Boston Blobe

In Maine, a US first in tidal energy



