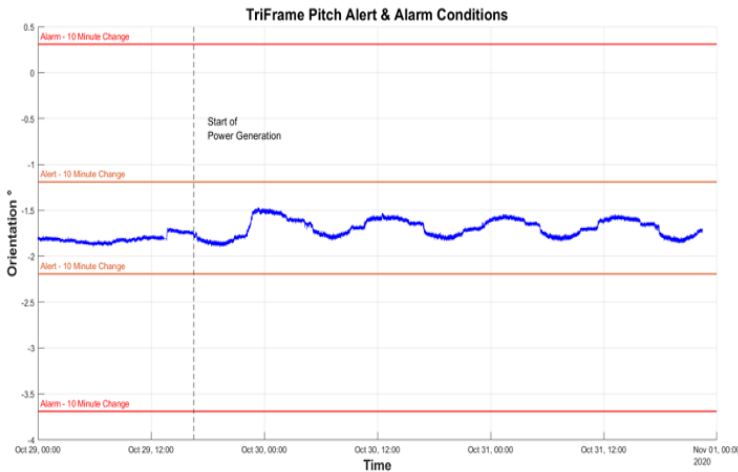


TriFrame™ Performance during Operation

- Installed and monitored with instrumented TriFrame Positioning System
- Real-time heading (fiber optic gyro), pitch and roll (IMU instrument) integrated with SCADA
- Long Term TriFrame Monitoring System (LLTFMS) - measures and records the forces, moments, and vibration of the TriFrame during turbine operation using strain gages and accelerometers



TriFrame motion from turbine forces during operation is well below acceptable limits

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TriFrame Design for O&M Cost reduction

- License approval by FERC was based on a required design analysis with turbine loads from the NREL FAST turbine analysis program, and the TriFrame structural analysis using Ramboll/Environ's ROSAP program
- The Launch and Retrieval System (LARS) allows for rapid deployment and retrieval of the TriFrame and three turbines and has shown a major reduction in on-water work and costs
- Efficient O&M using Retrieve and Replace (R&R) operation



Deploying three turbines significantly lowers the on-water work time and CAPEX and OPEX for installation and O&M, while maintaining optimal hydrodynamic performance

Environmental Compliance Performance

- Implemented FERC-mandated RITE Monitoring of Environmental Effects Plans:
- Tagged Fish Species Detection for ESA species
- Seasonal Bird Observation before and during turbine operation
- Underwater Sound Monitoring & Evaluation of operation turbines based on IEC/TS 62600-40 Ed. 1 at near and far-field locations



Environmental compatibility of the Gen5 turbines has been proven through monitoring and adaptive management in consultation with stakeholders



Beyond RITE Project Performance: Commercial Tidal Power for the Blue Economy

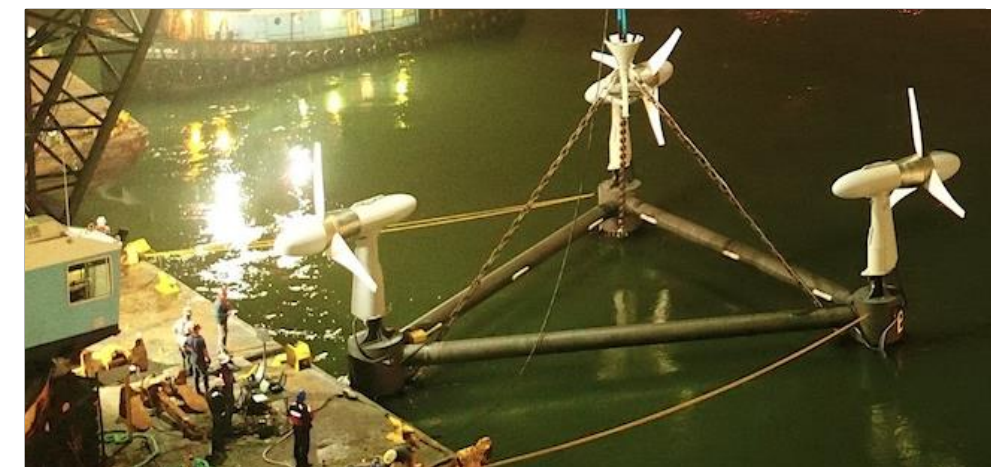
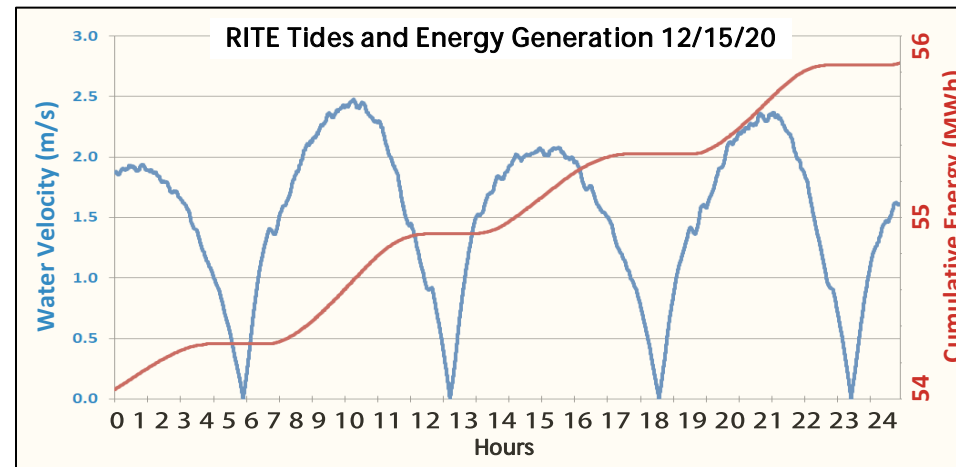
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Verdant Power is commercializing tidal energy to realize the blue economy powered by a robust MRE industry.

The performance of the three-turbine FERC-licensed (P-12611) Roosevelt Island Tidal Energy (RITE) Project in the East River of New York City enables commercial scale-up:

- High demonstrated water-to-wire performance of the system
- First 3rd party IEC Test (IEC/TS 62600-200) by EMEC
- Integrated system/operations reduced CAPEX and OPEX, leading to commercial projects



TEC Design

5m-scale version of the Verdant 5th generation (Gen5) KHPS grid-connected turbine system

- High reliability and availability, 25-yr life
- Low O&M requirements
- High energy production
- Volume production
- 10m + scale

TEC Performance

The Verdant TriFrame™ with three Gen5 KHPS Turbines at 150 days continuous operation:

- VP rating 105kW, ConEd (grid) rating 210kW
- Availability: >99%
- Energy production: 170 MWh
- Efficiency exceeds 45% water-wire (75% of theoretical max)
- Performance validation by EMEC to IEC/TS 62600-200

Overall System Design and Performance

Integrated Design (IDP) of the TriFrame™ mount to reduce CAPEX, OPEX, and LCOE

- Single installation operation for 3 turbines
- Performance-supporting turbine spacing
- No civil work with moveable and removable mount
- High stability
- TRL to 8/9