

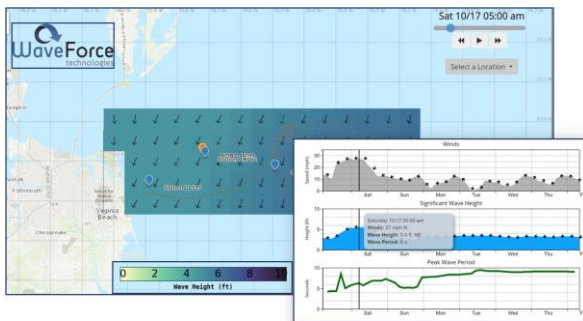


OCEAN
FORECASTS
& ANALYSIS

WaveForceIES offers wisdom, knowledge and experience to support all phases of coastal and offshore renewable energy projects from conception through operations.

Coastal and Offshore Forecasting Re-invented

Our drag-and-drop forecast technology, coupled with our exclusive data assimilation algorithms, provides you with simply the most accurate forecast available. Check [online](#) to see our outstanding 6- and 12-h forecast performance...

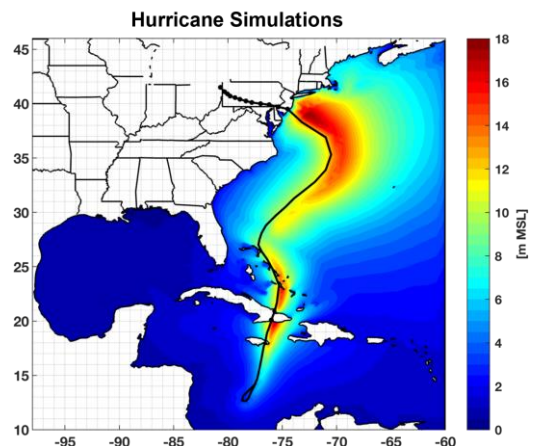


- Winds/waves/currents/water levels
- Real-time integration of observational data
- Outstanding forecast accuracy
- Select your region of interest
- Custom forecast products: charts, plots, tables, etc.

Ocean Assessments

We perform comprehensive assessments for your challenging coastal and offshore project needs. Put our experience, crafted modeling studies, and advanced data analysis technologies to work for you!

- Metocean characterization
- Hindcasting & forecasting
- Design and operational criteria development
- Model validations
- Extreme hazard/risk analyses
- Site assessment and feasibility studies
- Environmental impact assessments
- Cable and pipeline burial impacts
- Water quality assessments
- Regulatory Compliance and permitting support
- Field measurements and analysis
- Subject matter expertise for legal support



WaveForceIES

Wavefield Analysis Software

Our proven wavefield analysis software tools allow you to access, explore and analyze your measured, modeled or archived wave data of choice. Three different packages to choose from...



XWaves

Premier Analysis Package for Scientists and Engineers:

- Data exploration and editing
- Wave partitioning and tracking
- Spectral fitting
- Sea state analysis/extremes
- Swell source estimation
- Model/Sensor validations
- Wave parameter export



Wavector

Essential Analysis Package for Technicians and Students:

- Data exploration and editing
- Wave partitioning and tracking
- Wave parameter export
- Extensive graphics library



AutoWaves

Fully Automated Analysis for Observing Sensors and Systems:

- Data editing
- Wave partitioning and tracking
- Spectral fitting
- Sea state analysis
- Extremal statistics
- Extensive graphics library
- Wave parameter export

Meet our team of experts...

Dr. Jeffrey Hanson is an established air-sea and ocean wave expert with over 35 years of experience. His widely accepted analysis techniques are used in leading wave modeling systems and in various capacities worldwide to ensure safe and efficient offshore operations. Recently Dr. Hanson has developed an innovative new data assimilation technique for improved forecast accuracy.

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Dr. Brian Blanton is a physical oceanographer with extensive experience in forecasting and prediction in the coastal ocean. He is an important national resource for the computation of hurricane wave and storm surge dynamics including the effects of climate. His expertise includes forecasting of coastal water levels and waves, model verification and validation, scientific programming, and high-performance computing.

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Mr. Daniel Mendelsohn has more than 35 years of expertise in environmental engineering including modeling studies, metocean observations and analysis, environmental impact assessments, permitting, site assessments, water quality, dredging impacts, resource assessments, and feasibility studies. He is currently focused on all phases of offshore renewable energy projects.

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Visit our Websites for more information...

waveforcetechnologies.com

iescoastal.com