



New Trends in Offshore in Wind Farms: Design, Operation, and Maintenance

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

In this Special Issue of *Energies*, both academia and industry are all invited to contribute their knowledge and expertise in exploring the state of the art, to survey present challenges, and to take a glimpse at the new trends in the multifaceted and vast area of offshore wind power plants. The topics of interest for this Special Issue include, but are not limited to:

- New methods and tools for optimal overall design of large offshore wind farms, taking into account all from turbines to onshore substations, paying special attention to turbine foundations;
- Techniques and tools to control offshore wind power plants or turbines;
- HVDC transmission lines and power converters;
- New methods for better forecasting;
- Tools for operation and maintenance;
- Impact of the integration of offshore generation in the day-ahead market and contributions to adjust as well as ancillary markets;
- Impact on birdlife, marine life, labor creation, and other environmental and social effects.

Prof. Dr. Jesús Manuel Riquelme-Santos

Guest Editor





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Message from the Editor-in-Chief

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