

Special Issue

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

Message from the Guest Editor

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.

Guest Editor

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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