

Building an offshore wind energy farm using low-carbon concrete makes smart climate sense. Learn about a feasible partnership.

By developing 3D concrete printing technologies for on-site manufacturing of wind turbine towers, this project will enable the construction of new wind turbine towers in California that capture more wind ...

Explore the crucial role of renewable energy in transforming the cement industry towards sustainability. This article discusses the significant environmental impacts of traditional cement ...

Concrete as a material of construction can play an important role in realising the potential of wind energy. This paper provides the scenario of wind energy in India and also an overview of design ...

The use of concrete support structures for offshore wind turbines offers many potential advantages over towers comprised of only steel, including greater durability, a longer lifespan, ...

In this study, four concrete foundations designed to support a 140-m-tall wind turbine tower, two concrete foundations using 3D printed concrete formworks and two conventional concrete ...

In this article, we explore the significance of high-performance cement in wind energy projects, its technical characteristics, application methods, and advantages over conventional materials.

Foundations are critical to wind-energy facility design. Common challenges wind-energy developers face when it comes to wind-turbine foundations include wind-turbine size, site location ...

Common challenges wind-energy developers face when it comes to wind-turbine foundations include wind-turbine size, site location limitations, and CO2 emissions from the cement ...

Campus lab is pioneering 3D-printed concrete components to produce massive turbines for clean energy without the drawbacks.

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