

Press Release



Leverkusen,
June 7, 2021

Recognition for innovative and more sustainable composite solutions

Covestro receives JEC Innovation Award

Covestro AG
Communications
51365 Leverkusen
Germany

- **Polyurethane resins for high productivity of wind turbine blades**
- **Polyurethane-based coatings for easy application and durable protection in offshore conditions**

Contact
Dr. Frank Rothbarth
Telephone
+49 214 6009-2536
Email
frank.rothbarth
@covestro.com

[Covestro](#), a leading supplier of innovative and sustainable material solutions, is a winner of the JEC Innovation Award 2021 in the "Sustainability" category. With the award, the jury recognized the company's polyurethane (PU) infusion resins for the efficient production of wind rotor blades and coatings for offshore wind turbines. For 25 years, the JEC Innovation Award has been a leading award for the development and application of composite materials.

"Covestro takes the award as an honor but also as a responsibility to deliver on its Circular Economy vision. Enabling growth for the global wind industry is one of the company's major goals," said Dirk Soontjens, External Representative for Covestro in the Polyurethanes Wind Segment, at the award ceremony. "The productivity and good mechanical properties of the resin system also provide the opportunity to design longer and more durable blades to achieve higher annual energy production and lower energy costs, while removing roadblocks that the industry faces."

More efficient production of rotor blades

The processing and mechanical properties of Covestro's PU were studied through prototyping and advanced computer simulations. Thanks to their low viscosity at room temperature and high reactivity at elevated temperatures, they enable rapid infusion and curing. Compared with epoxy resins, this leads to significantly shorter rotor blade production cycles. Together with the potential for weight savings and their resistance, the PU resins reduce total cost of



ownership by increasing energy efficiency and lowering manufacturing and maintenance costs.

In addition, several Covestro coating solutions for offshore wind turbines were included in the case presented for the JEC Innovation Award. These include a solvent-free gelcoat, a waterborne 2-component topcoat and a polyaspartic-based leading edge protection coating. The systems feature excellent adhesion properties on PU composites and were successfully tested under simulated offshore conditions. They facilitate the manufacturing process for rotor blades and thus improve the productivity of wind turbines.

About Covestro:

With 2020 sales of EUR 10.7 billion, Covestro is among the world's leading polymer companies. Business activities are focused on the manufacture of high-tech polymer materials and the development of innovative, sustainable solutions for products used in many areas of daily life. In doing so, Covestro is fully committed to the circular economy. The main industries served are the automotive and transportation industries, construction, furniture and wood processing, as well as electrical, electronics, and household appliances industries. Other sectors include sports and leisure, cosmetics, health and the chemical industry itself. At the end of 2020, Covestro has 33 production sites worldwide and employs approximately 16,500 people (calculated as full-time equivalents).

Forward-looking statements

This news release may contain forward-looking statements based on current assumptions and forecasts made by Covestro AG. Various known and unknown risks, uncertainties and other factors could lead to material differences between the actual future results, financial situation, development or performance of the company and the estimates given here. These factors include those discussed in Covestro's public reports which are available at www.covestro.com. The company assumes no liability whatsoever to update these forward-looking statements or to conform them to future events or developments.