

Press Release

DEKRA Visatec is developing an inspection system for wind turbines

DEKRA Is Carrying Out Research for the EU's ShearIOS Project

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DEKRA is a partner in the EU's ShearIOS research project. The aim of the initiative is the remote-controlled inspection of rotor blades on wind turbines using the new shearography measuring method. Robotics company DEKRA Visatec is member of the consortium comprising seven partners.

The remote-controlled inspection of wind power rotors is expected to bring about considerable improvements. People will no longer have to expose themselves to risks while conducting inspections and the technology will also reduce the amount of time that those inspections take. The rotor blades are currently checked for possible damage by industrial climbers on behalf of the operator.

With the remote-controlled inspection systems from its subsidiary DEKRA Visatec, DEKRA is a leader in its field. The systems - based on the crawler system by ICM - are used primarily in power plants and in the oil and gas industry. Their fields of application include inspection activities in areas that are inaccessible or dangerous to people.

With the EU-funded project, the technology of shearography is to be used in mobile mechanized inspection for the first time. Shearography is a measuring method for the non-destructive testing (NDT) of materials and components as well as for measuring stress and strain. It is especially suitable for composite materials – in the inspection of state-of-the-art aircraft parts and components made from carbon, for example.

The results of the ShearIOS project are expected to be released by the end of 2020. Besides DEKRA Visatec, the other partners in the project are RTS (as the project coordinator), EDF Energy, EDF Energy Renewables, IKH, Leitat and TWI.

www.shearios.eu

(Photo by courtesy of ICM)

About DEKRA

DEKRA has been active in the field of safety for more than 90 years. Founded in 1925 in Berlin as Deutscher Kraftfahrzeug-Überwachungs-Verein e.V., it is today one of the

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world's leading expert organizations. DEKRA SE is a subsidiary of DEKRA e.V. and manages the Group's operating business. In 2017, DEKRA generated sales totalling more than 3.1 billion Euros. The company currently employs more than 44,000 people in more than 50 countries on all five continents. With qualified and independent expert services, they work for safety on the road, at work and at home. These services range from vehicle inspection and expert appraisals to claims services, industrial and building inspections, safety consultancy, testing and certification of products and systems, as well as training courses and temporary work. The vision for the company's 100th birthday in 2025 is that DEKRA will be the global partner for a safe world.