

Non-Destructive Testing (NDT) Webinar Wireless Sensor Systems for Safe Offshore Structures – CoMoBelt®

Presenters: Dr Lars Schubert and Dr Bianca Weihnacht.

The CoMoBelt® sensor ring developed by IKTS is a permanent monitoring system for offshore wind turbine foundations. It reduces the need for costly on-site operations and maintenance by being attached to heavily loaded areas like welded seams. This setup minimizes the impact of external biomaterial growth and eliminates the need for divers to manually clean measuring points.

The system includes ultrasonic transducers that act as sensors or actuators, capable of withstanding harsh underwater conditions. Energy supply and data read-out are managed by Remote Operating Vehicles (ROVs), which transfer data wirelessly to diagnostic devices and then via cable to technicians on a ship. This technology enhances reliability and extends the service life of the CoMoBelt® system by eliminating the need for plug connections.

Why Attend?

- Learn about the latest advancements in offshore structure monitoring.
- Understand how **CoMoBelt® technology** can reduce operational costs and improve safety.
- Engage with experts Dr Lars Schubert and Dr Bianca Weihnacht during the Q&A session.
- Connect with industry professionals and peers.

**Creative thinkers
made here.**



When

Tuesday, 17 June 2025
3 pm – 4 pm (AWST)

Where

Online

Cost

Free

Register

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