

Workshop on NDT and SHM requirements for wind turbines

13-14 February 2019

Offshore Renewable Energy Catapult,
National Renewable Energy Centre, Blyth

BINDT or RCNDE member

£30 + VAT for one day

£60 + VAT for two days

Non-member of BINDT or RCNDE

£60 + VAT for one day

£100 + VAT for two days

The manufacturers, owners and operators of renewable energy systems seek cost-effective and reliable operation of their installed facilities. Inspection and health monitoring technologies are struggling to adapt to the increasing size and hazardous environment of offshore wind turbines in particular. In order to develop and apply improved solutions, it is essential to identify and define the requirements for the inspection and monitoring of both structural components and systems. This will facilitate the targeted application of appropriate inspection and monitoring technologies to realise the necessary long-term economic operational performance.

The workshop will bring together regulators, insurers, manufacturers, owners, operators and the NDT community to:

- Understand the inspection problems faced by the manufacturers and operators of wind turbines;
- Establish the requirements for improved NDT solutions for thick-section large composite structures, metallic components and systems; and
- Consider the application of emerging inspection tools and technologies.

Examples will be presented of new developments in composite inspection, robotic delivery and the application of permanently installed sensor networks to critical plant locations. The outcome of the workshop will be a report detailing the presentations and discussions, and summarising the requirements identified and what success will look like so it will be clear whether the requirements have been met in the future.

Requirements Workshop



RCNDE
UK Research Centre in NDE

Co-sponsored by UK RCNDE

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