

Critical Structural Integrity Challenges for Wind Energy in the UK

As the need for renewable energy increases, the demand for onshore and offshore wind energy generation facilities continues to grow. The UK is a global leader in power generation from offshore wind and this accolade owes its success to the materials and technology used in the construction of these complex installations. Structural integrity is vital in remote locations, be they off our coast or on our moors, and materials engineers are playing a vital role in ensuring that the turbines and associated infrastructure operate without a hitch for prolonged periods.

This new, one-day course run in partnership between IOM3 and FESI, explores the critical structural integrity challenges that must be considered when planning a new facility.

What will the course cover?

The course will cover:

- The importance of wind energy for the UK's energy mix
- Machine loading in wind turbines
- Structural design considerations
- Regulatory requirements and assessment methodologies
- Future trends
- Case studies

The IOM3 Training Academy is a service of the Institute of Materials, Minerals and Mining (IOM3) offering a range of industry-recognised training courses suitable for accredited qualifications and continuing professional development. The Institute is a body incorporated by Royal Charter and a charity registered in England & Wales (269275) and in Scotland (SC050586). Patron: HM The Queen.

Where will the course be held?

The course will be held at the IOM3 Training Academy in Grantham, Lincolnshire. The Boilerhouse is conveniently located for the A1 with ample free parking available on site. Grantham is also on the east coast main line from London to Edinburgh and the venue is a short walk or taxi ride from the station.

Where can I find out more

Find out more and register for the course at iom3.org/wind or alternatively contact training@iom3.org

How much does the course cost?

The fee for this one-day course is **£495***. IOM3 members, subscribers to Module 2 of the IOM3 Business Partner Programme, and FESI members are entitled to a discounted rate **£445***. There is a special rate of **£295*** for student and early career members. This includes course materials, lunch and refreshments during the course.

** prices quoted are exclusive of VAT at 20% where applicable.*

WEDNESDAY 29 JUNE, 09.30-16.30
📍 THE BOILERHOUSE, GRANTHAM



Forum for Engineering Structural Integrity

