

Access to HSE's unique resources





**An ability to
understand &
solve complex
issues**

HSE and the Wind Industry

BWEA, which could be used as a tool for companies making planning proposals. HSE's Utilities section is also involved in a range of issues including safe access to turbines, public safety concerns, supply chain issues and skills and labour issues (non-UK nationals working for foreign manufacturers or supplier companies at wind farms; potential language, different standards issues) and other offshore specific concerns.

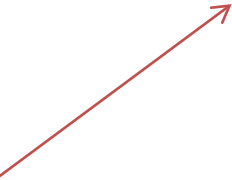


Recommendations

Given the large expansion planned in wind turbine construction it can be expected that the potential for accidents will increase and that some of these will involve workers and the public.

- HSE needs to consider the resource implications of inspecting and regulating for this large increase.
- HSE to consider whether to put more resource into looking at the small/micro end of wind generation (within its responsibilities), which is increasing in the UK. An accident in this sector could have reputational damage on the whole wind sector.
- HSE to work with other agencies, countries and wind turbine suppliers on the safe design and integrity of wind turbines.
- HSE to consider producing guidance on wind energy and making it available on the HSE website.

Sam Bradbrook, Futures Team, January 2009



Offshore Renewables: The way forward to 2030 and beyond

- The Key = Collaboration & Engagement

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3-part Seminar Series

Health and Safety in the Offshore Wind Industry Lessons from the UK



Health and Safety in the Offshore Wind Industry: Lessons from the UK

Thursday, April 29, 2021 - 10:00am

With some of the largest offshore wind farms in the world now being planned in the US, the US community will benefit from the UK's 25 years of experience in this area. There is an opportunity to rethink the US approach to health and safety in this sector, and examples of both successes and challenges in the UK will be helpful to shaping the future of the US offshore wind industry. Join Tufts Institute of the Environment for the first part of a virtual 3-part seminar series hosted in partnership by Tufts University, the University of Strathclyde, and the UK's Health and Safety Executive. [Learn more.](#)

Health and Safety Research in Offshore Renewables Workshop

Virtual, 11 May 2021 at 2:00pm - 5:00pm



Registration for this workshop has now closed

Health and Safety Executive (HSE) and Supergen Offshore Renewable Energy (ORE) Hub
workshop

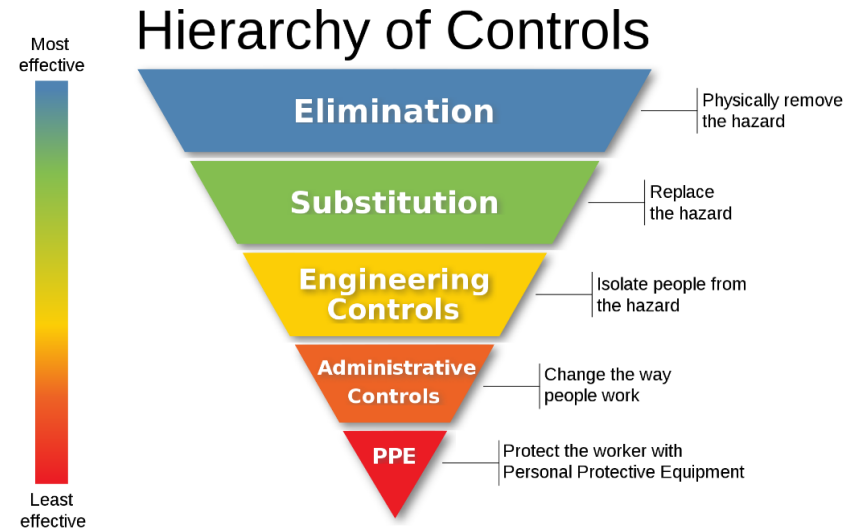
Health and Safety Research in Offshore Renewables Workshop

- Cross sector learning - knowledge transfer from Oil and Gas
- Human Factors
- Fire, emergency and evacuation strategies
- Improving design and structures for H&S, including robotics and autonomous systems
- Personnel safety and O&M strategies/technology
- H&S standards and regulatory culture/environment (Groups A & B)

Floating Offshore Wind Health, Safety and Wellbeing Hub

- **A challenging environment for the worker – extreme, distant, dynamic, complex**
- **New construction, operation and decommissioning challenges**
- **Industry is developing the technology, demonstrators and the business case for FOW**
- **Early stage projects are economically and engineering-led but HS&W is integral and critical to satisfying regulations, and to good business**
- **Improving HS&W can also improve operational efficiency**
- **G+ stakeholders identified HS&W topic areas for FOW**
- **Industry can address some topics with existing knowledge and capabilities**
- **Proposing a multi-disciplinary partnership between industry, academia and the Regulator to consider lower TRL research activities around health, safety and wellbeing**

- To focus on Health, Safety & Wellbeing for Floating Offshore Wind workers
- Identify questions, build networks and propose research to answer questions using the best knowledge and capabilities of industry, academia and HSE
- Multi-disciplinary – Bring the science and engineering together with human factors and health knowledge
- Working in partnership with the Regulator through Thomas Ashton Institute
- Focus on the longer term, lower TRL activities where academia is best suited
- Aim to develop interdisciplinary research communities, topics, and interactions leading to funded research.



Hub Discussion Topics

Gathering evidence on the H,S & W impacts of technology

Developing new technologies to eliminate, substitute or control exposure to hazards

Improved reliability – to remove the need for intervention

Safer by design – designing for technology to reduce risks

Data analytics – leading indicators, optimisation, health and wellbeing monitoring

Guidance, tools and knowledge sharing

The ORE Regulators Network



Proposed interventions

The proposed intervention is:

ID	Recommendation
7A	Establish a wind industry regulators forum to improve information sharing, increased awareness of the health and safety issues specific to the wind industry, and a consistent/harmonised approach to the regulatory interpretation and enforcement of applicable health and safety obligations. The group should be formally constituted and with the powers to publish position statements and make substantive recommendations to the EC and national authorities, and should be required to consult and co-operate with wind industry representatives to ensure decision making aligns with the key aims of improving performance, reducing cost, increasing efficiency and avoiding additional barriers to growth

The **Wind Harmony Project** on behalf of the European Commission analysed health and safety (H&S) regulations and related standards impacting wind energy (onshore & offshore) across the 28 EU countries, Iceland, Liechtenstein & Norway. It will also assess and prioritise their potential for harmonisation or alignment at European level.

HSE & Net Zero

- How HSE is producing and formulate their Net Zero Policy:
 - The HSE Net Zero Hub model is responding to the challenge

... we believe everyone has the right
to go home healthy

Over to you...

Time for your questions...



Get in touch: panagiotis.stavrakakis@hse.gov.uk