

Helicopter operations health and safety good practice guidance from G+

Solakonferansen 2021



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www.gplusoffshorewind.com

In partnership with the



Why health and safety?

Update: Worker On Board Wind Pioneer Injured by Fire Hose



British and Danish authorities have started an investigation to determine the root cause of [the accident](#) in which a worker on board the jack up vessel Wind Pioneer was injured on Saturday, 20 February, while the vessel was carrying out maintenance work at the 172MW Gunfleet Sands offshore wind farm.

The injured worker suffered a laceration to his right shin, seemingly caused by a fire hose being pressurized, DBB Jack-Up, the owner of the Wind Pioneer, said in a statement.



Fluor, Siemens sentenced to pay £650k after Gabbard fatality

Health and Safety Executive case brought following 2010 accident



Company fined after worker is fatally crushed in trench

Date:

5 May 2016

A company has been fined £2.6 million after an employee was killed when the trench he was working in collapsed on him in Lancashire.

James Sim, a 32-year-old worker, from Barry, South Wales, a sub-contractor working on behalf of Balfour Beatty Utility Solutions Limited. On the 14 April 2010, Mr Sim was working in a trench, laying ducting for new cable for an offshore windfarm that was being built off the coast by Heysham, Lancashire. The trench was dug to a depth of 2.4 metres, without any shoring. Mr Sim was killed when he became trapped in the trench after it collapsed on him.

Diver killed on Riffgat offshore wind farm

15 July 2013 by James Quilter, [Be the first to comment](#)

GERMANY: A diver has been killed during the construction of EWE and Enova's 108MW Riffgat wind farm in the German North Sea.



Safety Alert Issued on Butendiek OWF Accident



A serious accident occurred in the night of Sunday 6 July 2014 at the German offshore wind farm Butendiek. The victim, a Danish employee hired by Ballast Nedam, was admitted to the hospital in critical condition.

Due to the seriousness of his injuries, he spent 6 weeks in hospital. He will need further surgery

and his recovery will take a considerable amount of time.

It is the third death of a diver on a German offshore wind farm since 2010.

Who are the members of G+?

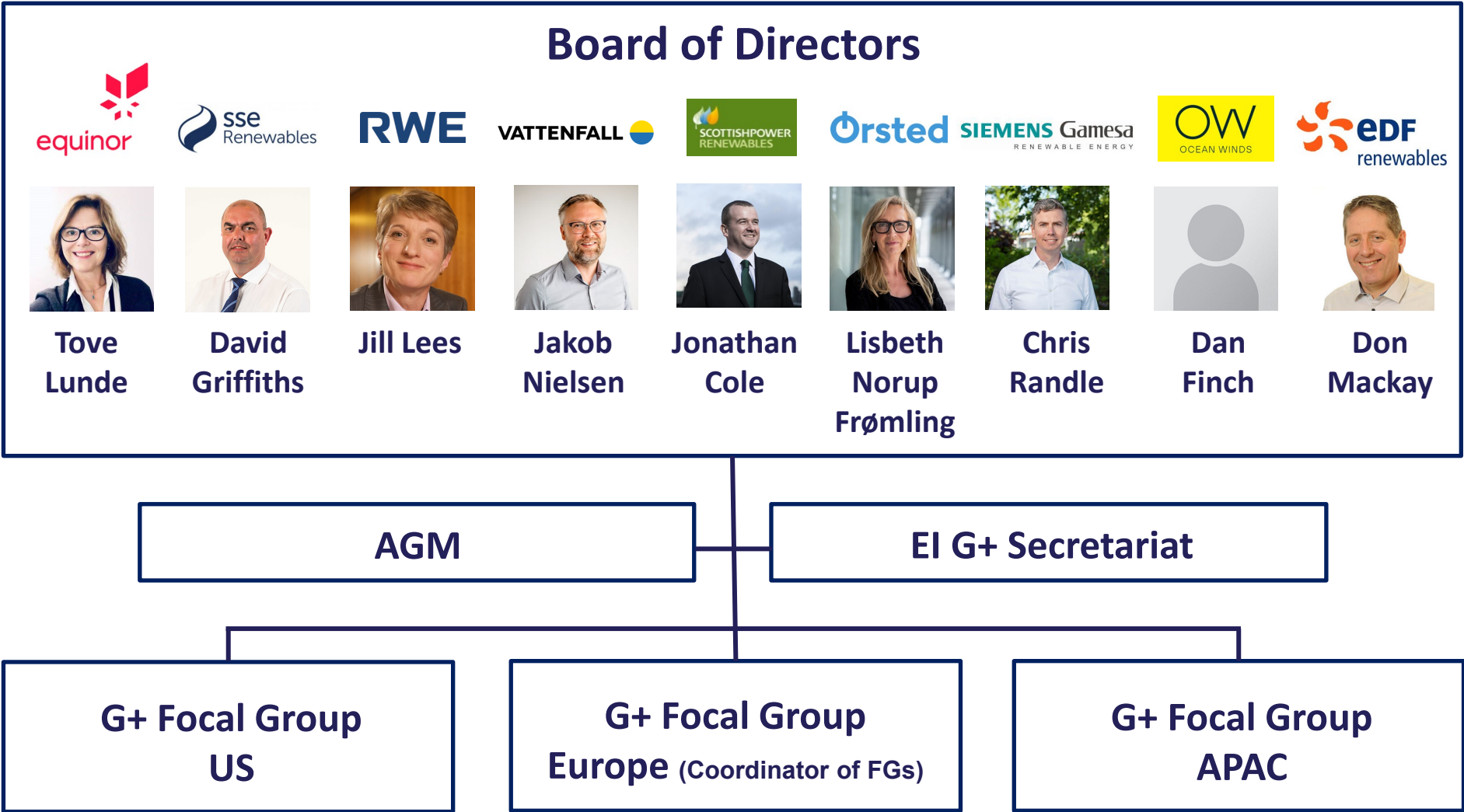


Members

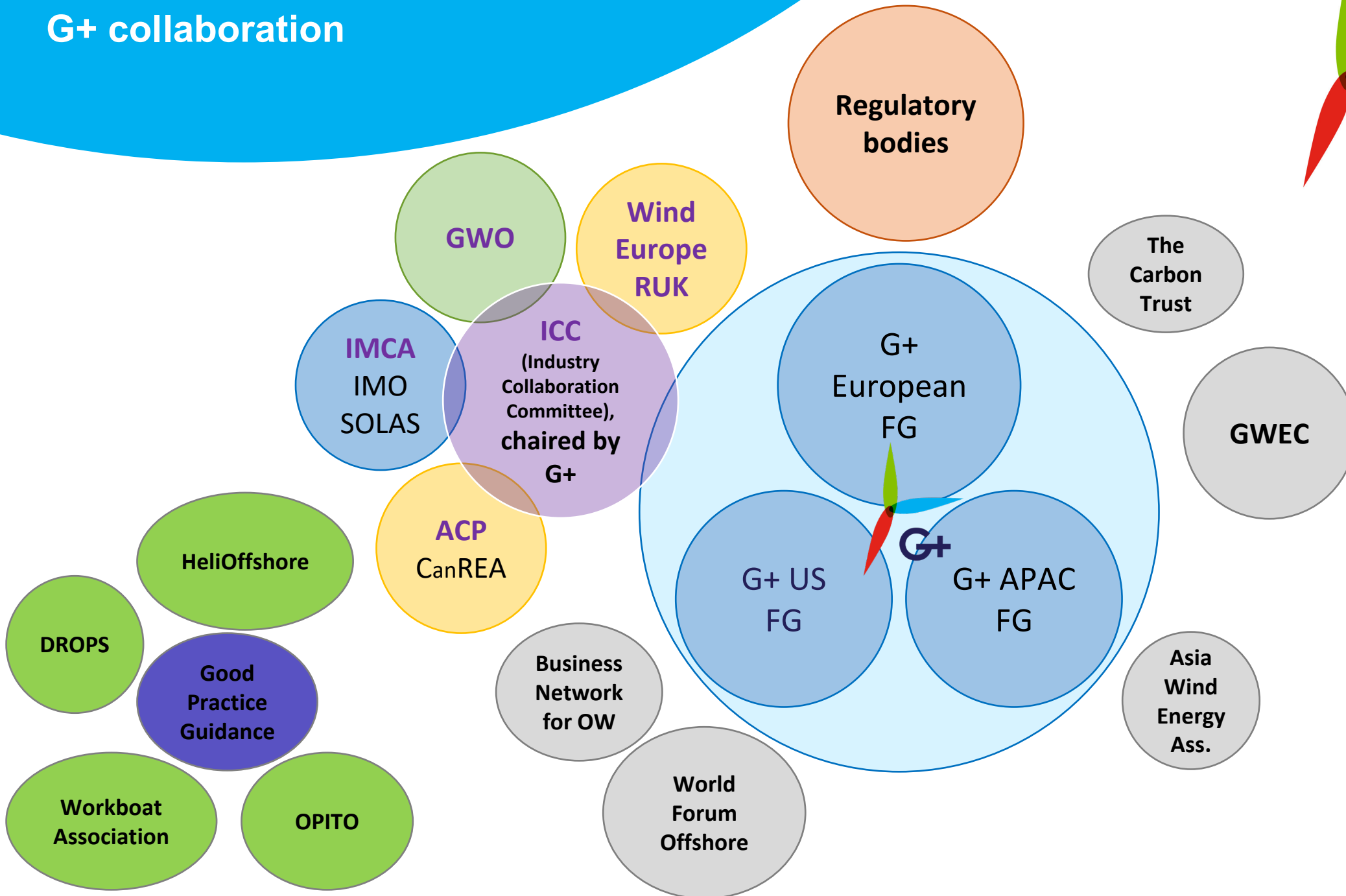


Associate Members





G+ collaboration



G+ work programme



Incident data reports

- Understanding of offshore wind industry risk profile
- Evidence base to inform interventions
- Accurate assessment of industry H&S performance
- Tool for comparison of H&S performance against other comparable industries



Good practice guidelines

- Recommendations for procedures, controls, ways of working at offshore wind farms
- Minimum standard expected for meeting industry H&S expectations
- G+ members self check compliance against GPGs content
- Referenced in site and company corporate documents



Safe by Design workshops

- Examine the current design controls relating to the topic, discuss where current design has potentially failed, and identify potential opportunities for improvement
- Outputs published and used as a reference by the industry
- Act as a catalyst for further discussion and research within the industry



Sharing incident learnings

- Incident learnings to be shared through Toolbox
- Toolbox is an EI web-based app
- Is accessible to all, anywhere, any place, any time

Why G+ produced guidance on helicopter operations



Why

- Helicopters are used more in the industry
- Development of an aviation standard can increase safety and reduce cost

Who

- G+ members and associates
- Consultation with wider industry
- Developed guidance in cooperation with HeliOffshore

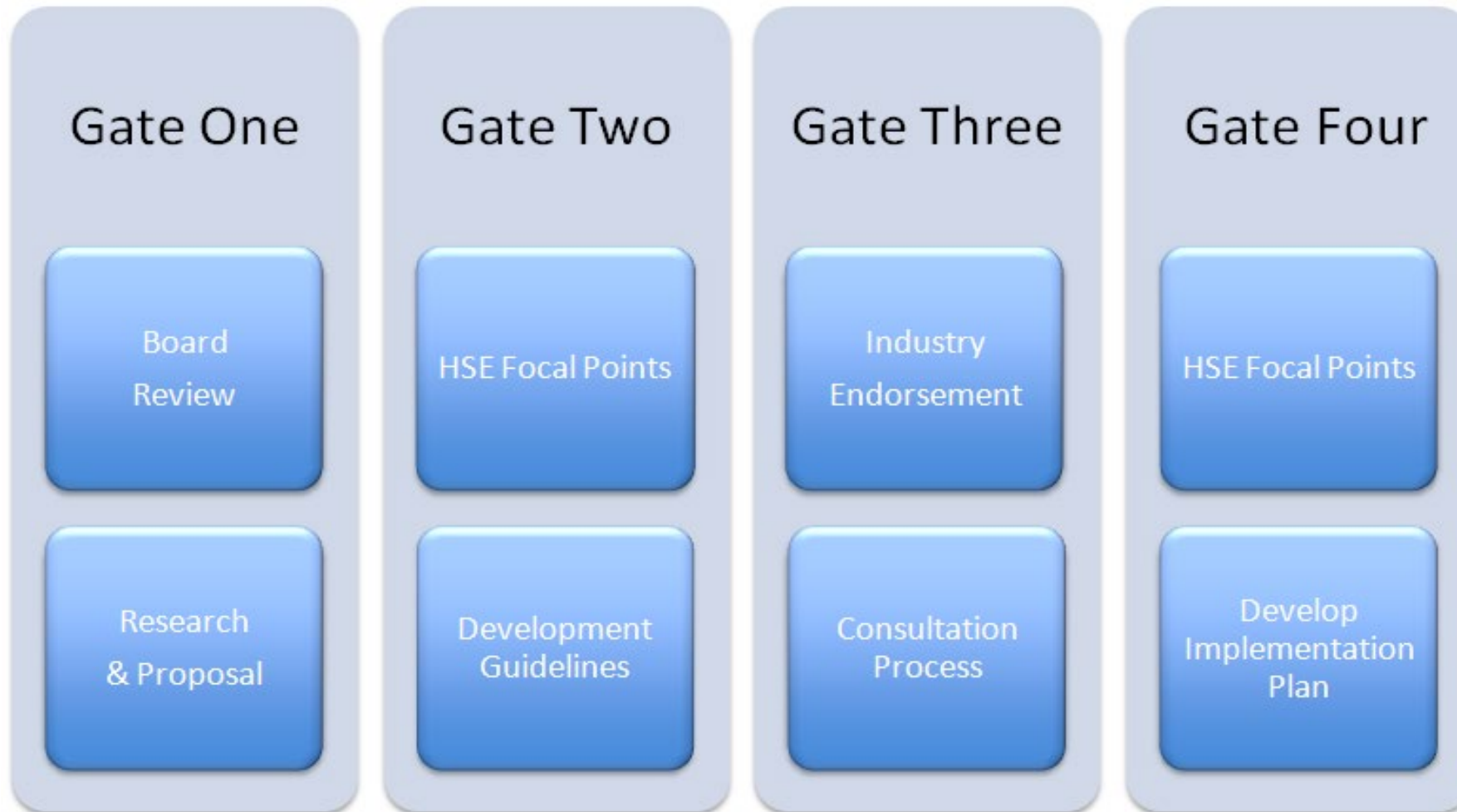
What

Deliver global helicopter guidance for offshore wind farms covering all life cycle stages

Work scope and aim

- Address helicopter operational tasks such as site surveys, transfer of personnel, maintenance and inspection
- Support offshore industry integrate helicopter operations into projects

Process of creating G+ GPG



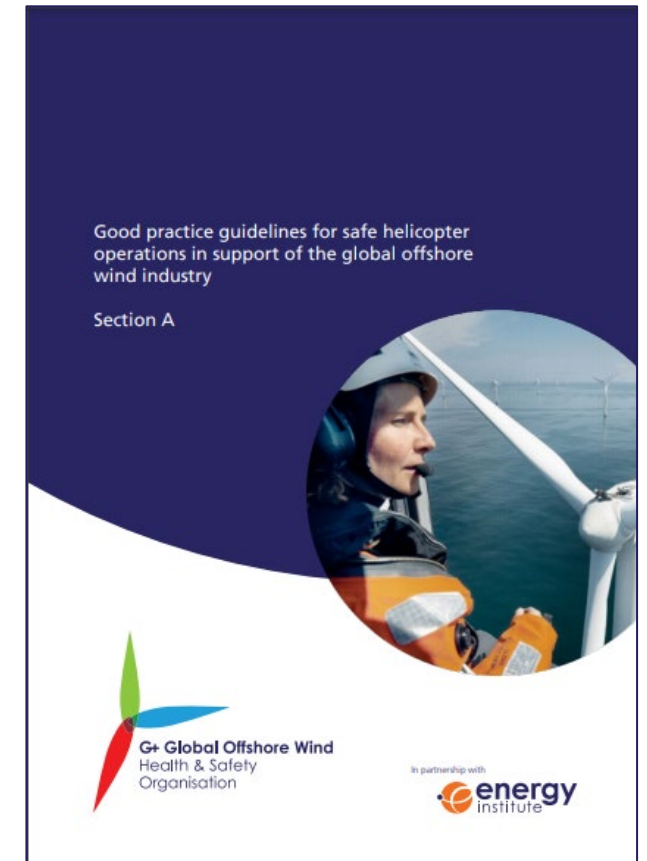
G+ Good Practice Guideline on Helicopter operations



G+ Good practice guidelines for safe helicopter operations in support of the global offshore wind industry (published March 2021)

The guidance covers:

- health and safety responsibilities of offshore wind companies
- understanding and defining the system and its hazards
- planning and design
- contracting helicopter services
- normal operations
- later lifecycle stages, such as repowering and change of ownership
- abnormal conditions, emergencies & continuous improvement





Global Offshore Wind Health and Safety Organisation



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