


G+ Global Offshore Wind Health and Safety Organisation



Kate Harvey - G+ General Manager
IWEA Health and Safety Conference 2019

www.gplusoffshorewind.com

In partnership with the
 **energy**
institute

Who are the members of G+?



Associate Members



Overview of G+ member sites



What is G+ trying to influence?

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.



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

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.



Offshore Wind – the current state

- Your industry's statistics show a poorer performance than other offshore sectors
- A judge recently commented that key industry players had failed to:
 - Share safety critical information
 - Clarify roles
 - Accept responsibilities
 - Take opportunities to design out risk; and
 - Ensuring what was meant to be done was actually done

G+ progress following Bootle



**Improved supply
chain engagement**

**Common risk-based
agenda**

**Stakeholder
engagement**

Quick Wins

**Strengthening of
the organisation**

**Improved
communication**

**Adoption of Safety
Champions**

**Development &
implementation of
good practice**

**Future Work
Programme**

We believe that HSEs best approach, as the regulator for health and safety, is to work closely with industry stakeholders to develop the health and safety agenda in their sector.

This has worked well in your sector with a clear direction of travel being set at the event in November 2015. In the three years since that meeting, we believe that you have made good progress in showing leadership in the development of industry guidance, which puts risk management and best practice in health and safety at the heart of the guidance.

What does G+ produce?



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 content of GPGs
- Referenced in site and company corporate documents



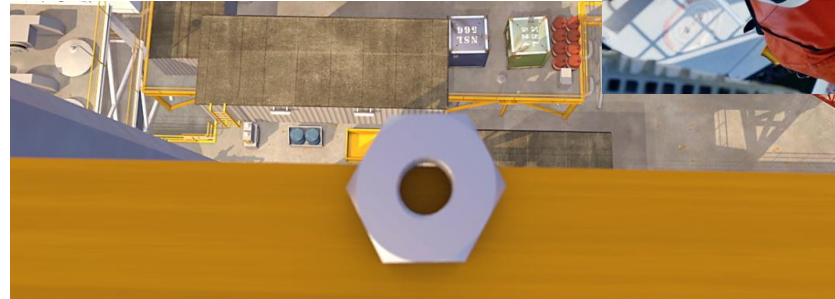
Safe by Design workshops / reports

- 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

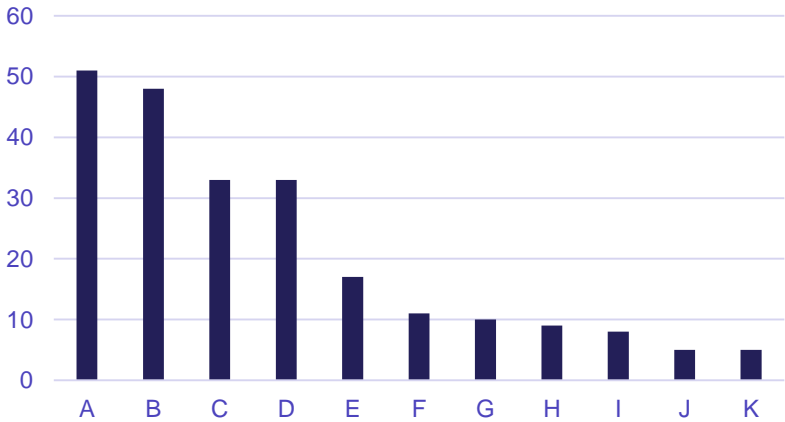
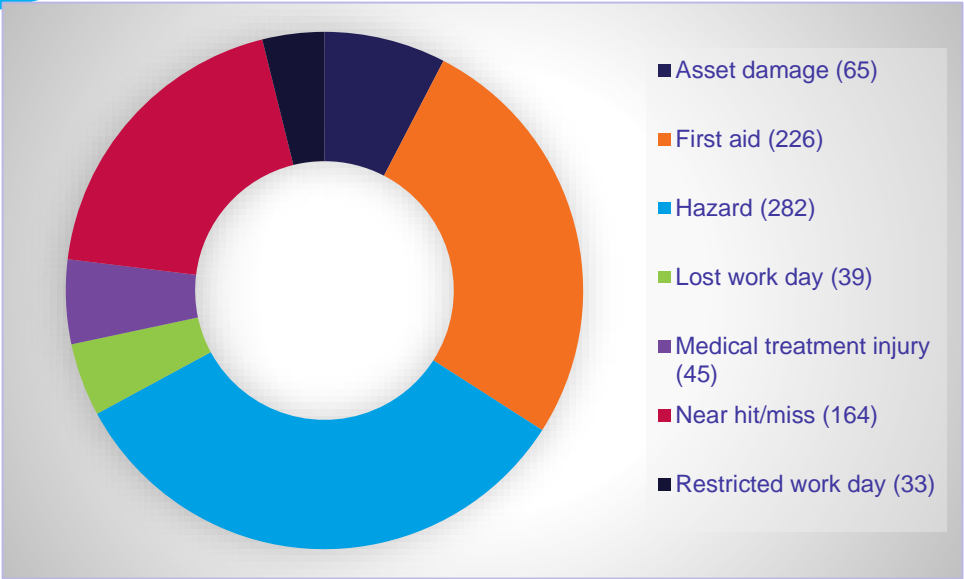
Good practice guidelines

Current G+ good practice:

- *Working at height*
- *The safe management of small service vessels*
- *Reducing manual handling / ergonomics incidents*
- *Reducing dropped object incidents*
- *Ladder climbing research*
- *Emergency response*



2018 incident data



Key	
A	Marine Operations
B	Lifting operations
C	Working at heights
D	Access/egress
E	Routine maintenance
F	Civil works onshore including excavations
G	Electrical systems (working with)
H	Office work
I	Other - specify in description
J	Commissioning (hot/cold)
K	Business travels

Safe by design workshops



G9 Safe by design



Workshop report: Marine transfer/access systems




In partnership with 

G9 Safe by design



Workshop report: Escape from the nacelle in the event of a fire




In partnership with 

G+ Safe by design



Workshop report: WTG service lifts




In partnership with 

G+ Safe by design


Workshop report: Davit cranes




In partnership with 

G+ Safe by design



Workshop report: WTG access and egress




In partnership with 

G+ Safe by design

Workshop report: WTG access to the transition piece (below airtight deck)



In partnership with 

G+ ongoing and current work streams - Status Updates



- Workstream 1: Communication (Lead: EI Secretariat)
- Workstream 2 Immersion Suit Review (Lead: Ørsted & SGRE)
- Workstream 3 Physical and medical requirement for OW workforce (Lead: SSE & Eon)
- Workstream 4 Awareness of health and wellbeing issues (Lead: Innogy & EDF)
- Safe by Design workshops in November (tbc) 2019 (Lead: Eon)
- Safety Champions meeting in October (Hamburg)
- Internationalisation (Lead: EI Secretariat)

Contact details



In partnership with



www.gplusoffshorewind.com

www.energyinst.org



[@gplusglobalofw](https://twitter.com/gplusglobalofw)



L: <https://www.linkedin.com/company/11251003/>