

G+ Overview

*Delivering world-class health and safety
performance in the offshore wind industry*

Why Health and Safety?

Offshore companies fined after grandfather injured on North Sea gangway

14th December 2023



Two offshore companies have been fined a combined total of £1.2m after an offshore worker's feet were crushed while walking on a gangway over the North Sea.

INDUSTRY NEWS

'Wind of Hope' crashes into offshore wind turbine

2 years ago

Wind farm operator Ørsted has set up an exclusion zone around an offshore wind turbine that was struck by a Service Operation Vessel (SOV) last week.

Events Business Sectors

RECHARGE

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Suspected CO2 leak at Northland-led Taiwan offshore wind development 'leaves 14 workers hospitalised'

One week after Hai Long consortium was celebrating the conclusion of a new nacelle plant in Taiwan, a serious safety incident has occurred



Wind Orca is one of two vessels owned by Cadeler that is working on the Hornsea 3 offshore windfarm (source: Cadeler/LinkedIn)

UPDATED: Cadeler's Wind Orca involved in serious incident at Port of Tyne

20 Jul 2026 by David Foxwell



Daring rescue of Enercon worker with arm stuck in wind turbine

Firefighters and doctor were sent to top of Enercon machine to help save technician, with one saying that 'every movement could have been fatal'



RECHARGE

Build your group subscription

Accidents and Casualties

Fire broke out in Siemens Gamesa turbine at Ørsted offshore wind farm

Incident occurred earlier this month at Ørsted's Greater Changhua 4 offshore wind farm in Taiwan



G+ at a glance

Proven track record: Over a decade long contribution in the Offshore Wind Industry

Partnership: G+ is in partnership with the Energy Institute

Leverages data across 6 key areas:
Incident Data Reporting, Good Practice Guidance, Safe by Design Workshops, Learning from Incidents, Life Saving Rules and Wind Operation Rules

The only global OSW member organisation
Independent and not for profit

35+ members and associates

Who are the members of G+?



Members



Associate Members



Governance and structure

G+ Board

- Primary review & decision making
- Demonstrate visible leadership
- To reach key decisions and agreements
- Decide on strategic direction

Energy Institute

- Provides the Secretariat

G+ Focal Groups

- Actions to improve H&S performance
- Share information and data
- Develop learning's from incidents
- Run work programme to develop industry guidance on safety
- Support the Board to demonstrate leadership

Board of Directors



G+ Secretariat



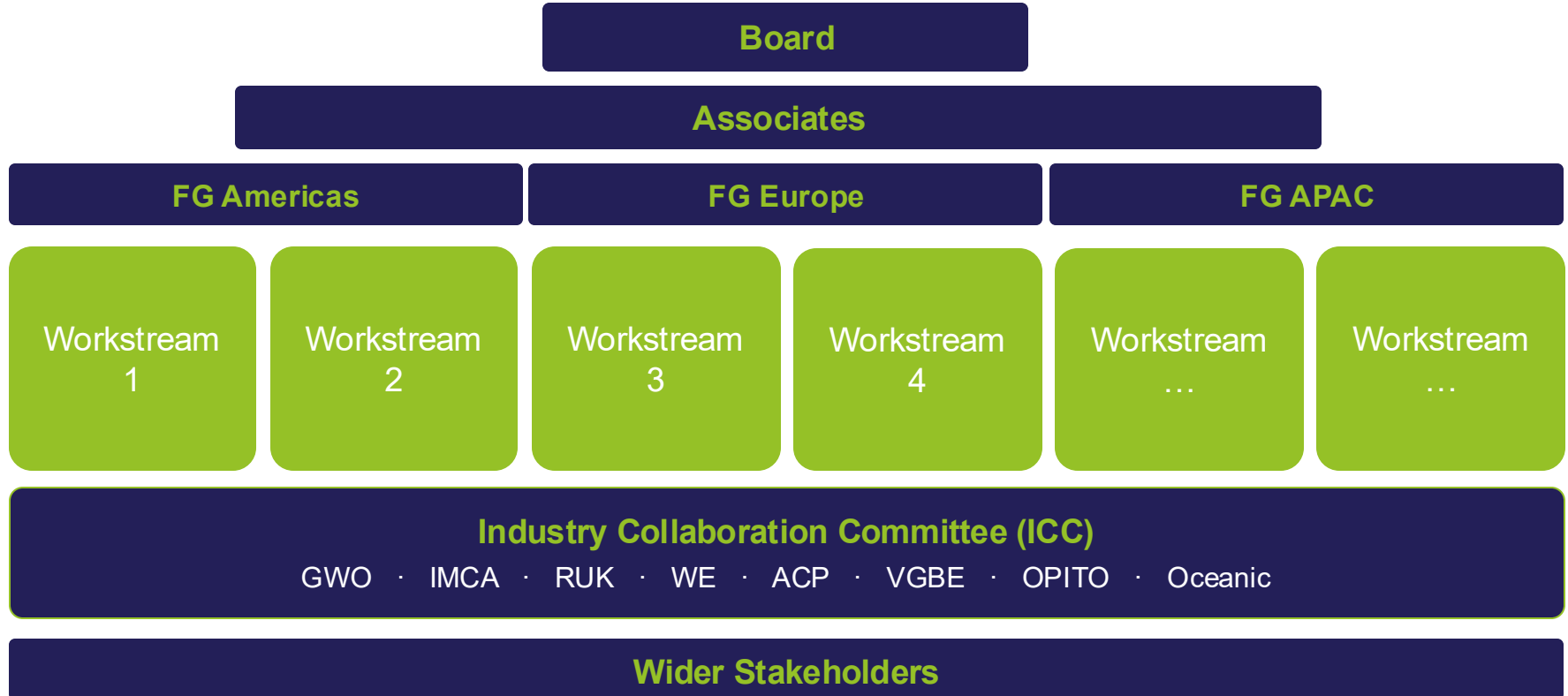
Kate Harvey
General Manager



Martin Maeso
EI Lead & Co
Secretary



G+ Structure



Unlocking the power of data across six pillars

G+ member data is analysed and shared through six main programmes to give a holistic view of health and safety performance, measure performance and identify opportunities for improvement.

Unlocking the power of data



Pillar 1: Incident data reports

- Understanding of offshore wind 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

Pillar 2: Good practice guidelines (GPG)

- 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 GPG content
- Referenced in site and company corporate documents



Unlocking the power of data



Pillar 3: Safe by Design programme

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

Pillar 4: 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

<https://toolbox.energyinst.org/>



toolbox
PUTTING SAFETY IN YOUR HANDS



Unlocking the power of data



Pillar 5: Wind Operation Safety Rules (WOSR)

- The Wind Turbine Safety Rules (WTSR) and the Wind Turbine System Safety Rules (WTSSR) are a comprehensive framework for establishing a Safe System of Work (SSoW)
- Developed in collaboration with SafetyOn for onshore and offshore
- Safeguards persons from the mechanical plant and associated system derived hazards

Pillar 6: Lifesaving Rules (LSR)

- Clear and simple statements to follow, most relevant for offshore wind, supporting those new to the industry
- Easy to align with contractual requirements
- Includes full implementation starter pack – slides, posters guide, question set and translations



G+ incident data reporting

G+ 2025 Annual Report Power BI Dashboard



Data can be filtered and graphs show patterns over time
Presents all G+ incidents between 2014 to 2025

The new and improved G+ Power BI dashboard is live:

<https://www.gplusoffshorewind.com/work-programme/workstreams/statistics>



Good Practice Guidelines (GPG)

Explore the [G+ website](#) for the full list of GPGs, including Arc flash labelling, Onshore civil works, Steel fabrication, and more!



**Global Offshore Wind**
Health and Safety
Organisation

Languages ▼ Topics ▼ X Clear

 EI3642 Vessel management in offshore wind for new entrants and non-marine professionals ▼

 EI3622: G+ Severe Weather Preparedness ▼

 EI3617: Managing the risk of moving, installed WTG blades striking a vessel ▼

 EI3616: Safe-by-Design Framework ▼

 EI3595: Marine Coordination Good Practice Guidance ▼

 EI3584: Governance of mechanical lifting operations (한 ▼

Safe by Design Programme

Access all the Safe by Design workshop reports [here!](#)



Marine transfer and access



Escape from a turbine Nacelle in the event of a fire



WTG service lifts



Davit cranes



WTG access and egress



WTG service lifts - follow-up



WTG access to the transition piece (below airtight deck)



Hydraulic torqueing and tensioning systems



G+ Safe by Design workshop: Blades



Floating Offshore Wind - Transfers, access and egress, and materials handling



Material handling equipment



G+ Safe By Design Good Practice Guidance



Safe-by-Design Framework V1



WOSR, campaigns & wider research

Wind Operation Safety Rules: WTSR & WTSSR

Workshops
report: Electrical
safe system of
work

Ladder climbing
research

Examining
the impact of
floating wind
turbines on
the human
operator: A
scoping
review

Welfare in offshore
wind study: existing
practices and future
opportunities

Manual
Handling
campaign

Human-Free
Offshore
Lifting
Solutions

Marine coordination case study

<https://www.gpluoffshorewind.com/work-programme/workstreams/campaigns>

Lifesaving rules for the OW industry



In partnership with
energy
institute

Working Responsibly



Always ensure the required plans and permits are in place before you start a job



Always use tools and equipment that are fit for the intended purpose



Never undertake any job unless you have been trained and assessed as competent



Never work, or operate vehicles or machinery, while under the influence of drugs or alcohol

Working with Electricity



Always verify isolation and zero energy before work begins

Working at Height



Always use fall protection when working at height

Out of harms way



Always secure tools, loose materials and equipment to prevent them from falling



Never place yourself under a suspended load during lifting



Always adhere to barriers and exclusion zones

Transfer Operations



Only transfer from a vessel when you are ready, and permission is provided

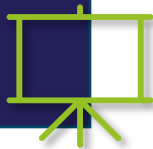
Not just a set of rules

1 Set of Life Saving Rules

2 Implementation guidance for companies



3 Side packs



<https://www.gplusoffshorewind.com/work-programme/workstreams/lifesaving-rules-published>

4

Support the front-line

Ask yourself, your team, your supervisor



5

Launch and communication

Translations include Chinese, German, Spanish, Japanese and Korean



6

Monitor and improve



Collect the data to understand the impact and applicability of the rules and commit to adapting the rules as needed by the industry

EI Membership

A not-for-profit registered charity, the EI promotes and advances knowledge, skills and good practice in energy for society's benefit

[EI Publishing website](#) hosts technical guidance documents, research papers and standards to support the energy industry

G+ Members can access these technical committees

- Ageing and life extension
- Carbon capture and storage
- Corrosion management/asset integrity
- Environmental protection
- Health, human and organisational performance

- Fuel distribution
- Learning from incident
- Hydrocarbon management
- Hydrogen
- Offshore wind
- Onshore wind
- Process safety
- Test methods standardization

If you work for a company which holds corporate membership with the EI, you will be eligible for complimentary individual membership as an
Associate Member (AMEI)

Why join?

- Unlock your Associate Member benefits
- Use of AMEI post nominals
- Access to *EI Connect* mentoring platform
- Free and discounted training via *EI Academy*
- *Energy Futures* newsletter and other member updates
- Weekly digital magazine, *New Energy World*
- Free, confidential advice via *EI Assist*
- Support to help you progress to professional membership and chartered status





How to sign up

- 1) Check if your company is a member of the EI [here](#)
- 2) If yes, register for your own online account [here](#) and make sure you use your **company email address**
- 3) After email verification, follow the steps to join as an **Associate Member (AMEI)** [here](#)
- 4) You're in! Spread the word to your colleagues and make the most of your membership

Need a bit of help? Contact us at
companies@energyinst.org



G+ Global Offshore Wind
Health & Safety
Organisation

Connect With Us



www.gplusoffshorewind.com



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