

G+ H&S data visualisation



G+ GLOBAL OFFSHORE WIND HEALTH & SAFETY
ORGANISATION 5TH STAKEHOLDER FORUM

06 March 2019

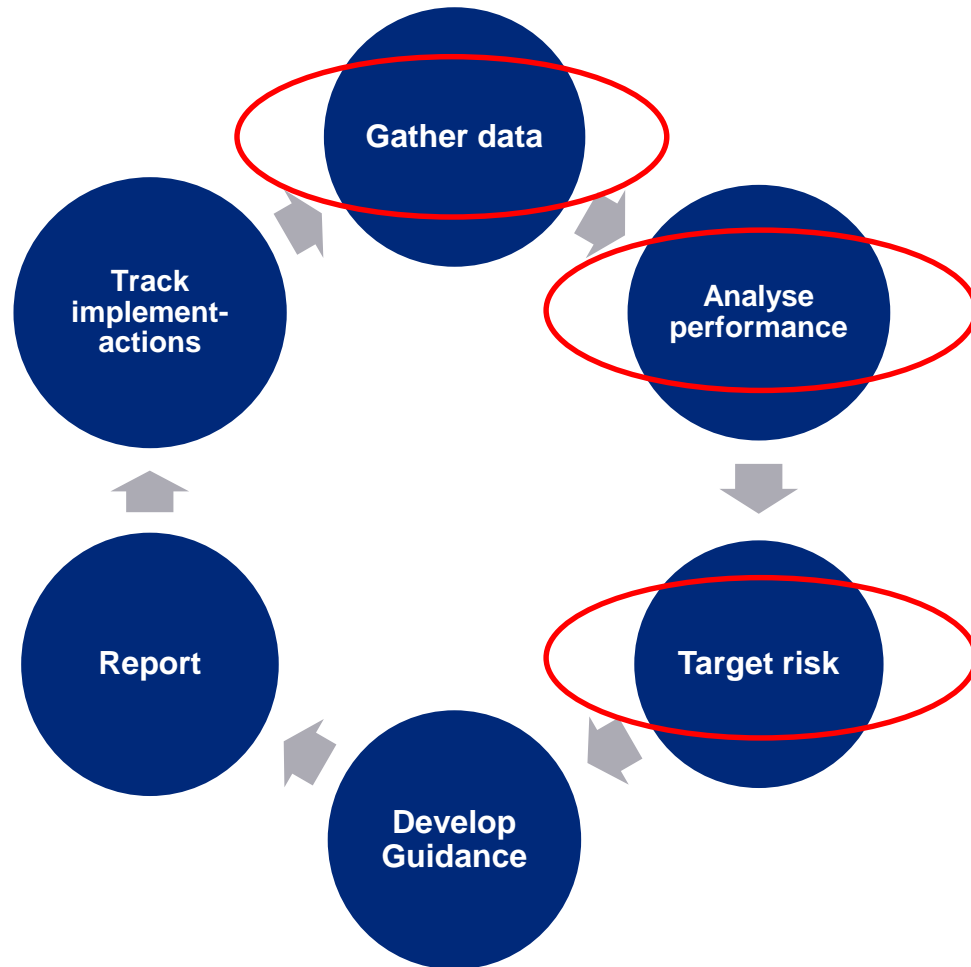
Beate Hildenbrand, Energy Institute

www.gplusoffshorewind.com

In partnership with the



Incident data



Member companies submit quarterly data to the Energy Institute, which is quality controlled and analysed.

- Quarterly internal reports reviewed by G+ Focal Group
- Quarterly Deep Dive meetings
- Annual review and update of G+ data template

Anonymised data reports are produced annually for public distribution

- Published through the Energy Institute
- Reports available at <https://www.gplusoffshorewind.com/>

The G+ Focal Group guides the analysis and recommends cross-organisational actions based on data trends.



Evolution of G+ data reporting



2012

11 Hazard / Risk Areas

8 Consequence classifications

2013

32 Incident areas

25 Work processes

7 Consequence classifications

2014

HiPo incident Y/N

Medivac incident Y/N

Dropped object incident Y/N

Hours worked

LTIF and TRIR

2015

Comparison with some other industry sectors

Transfer work process – further breakdown

2016

Vessel incident area – further breakdown

2017

More details for lost work days and high potential incidents

some environmental consequence metrics

2018

Recording country specific information for incidents

Inclusion of Hearts and Minds for HiPos and LWD

2019

proposed

Elimination of 'others' and 'marine operations'

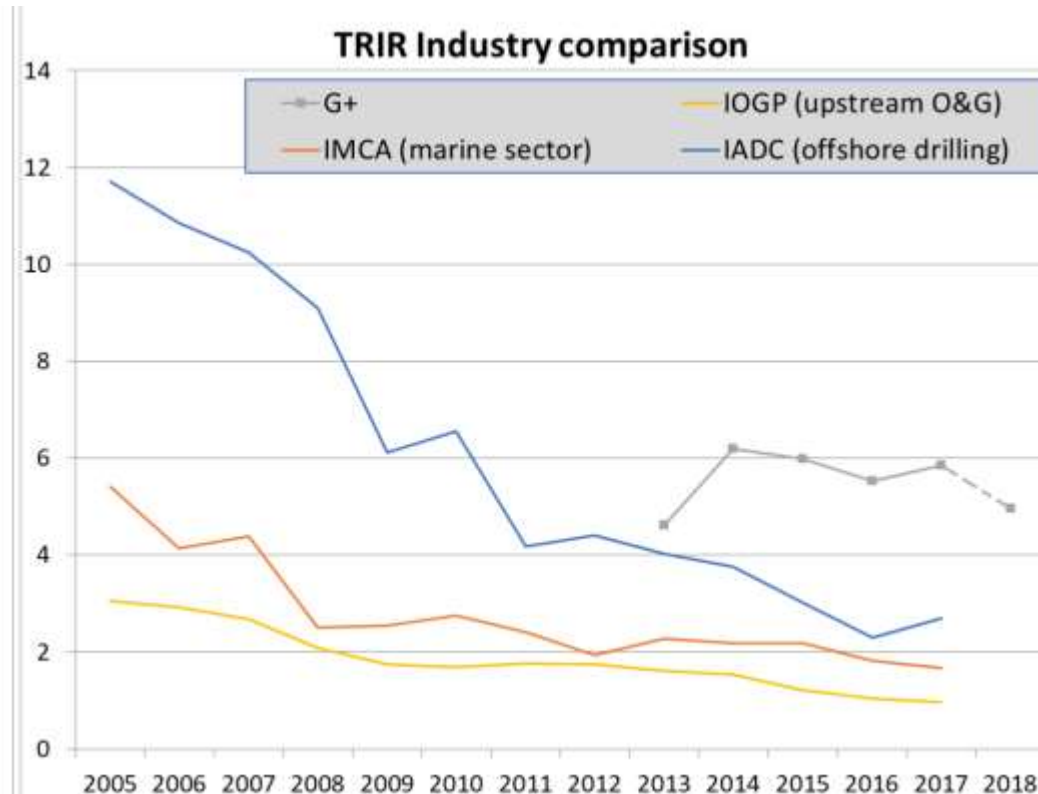
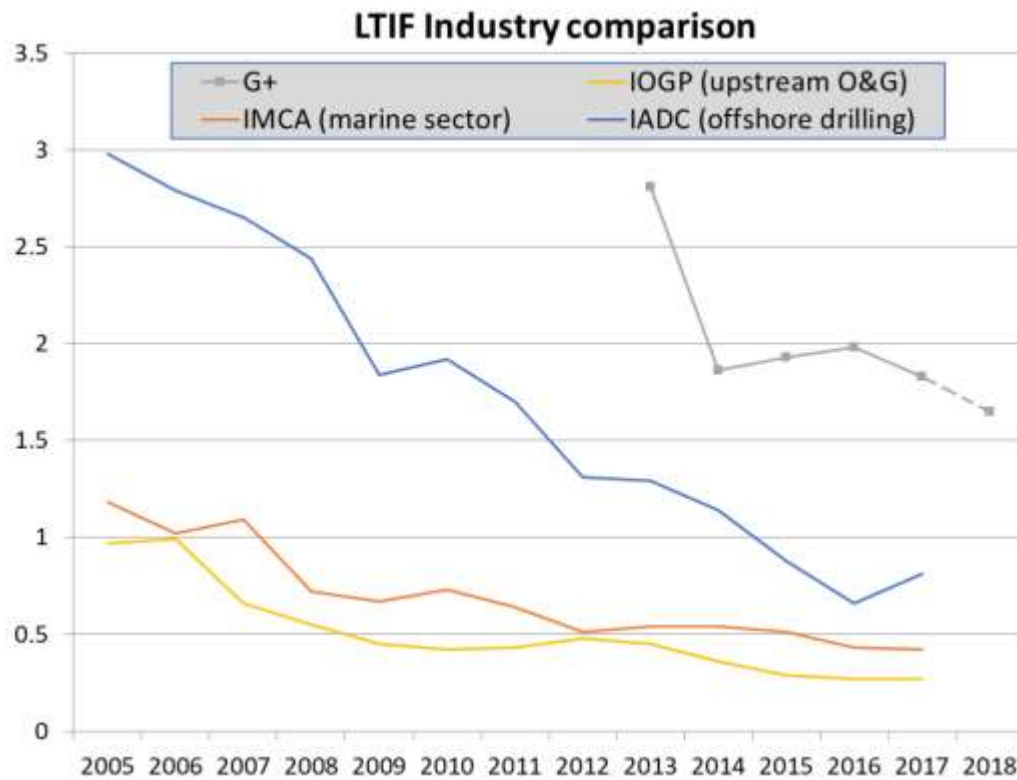
Quality control and harmonisation through introduction of data reporting guidelines

G+ Performance indicators

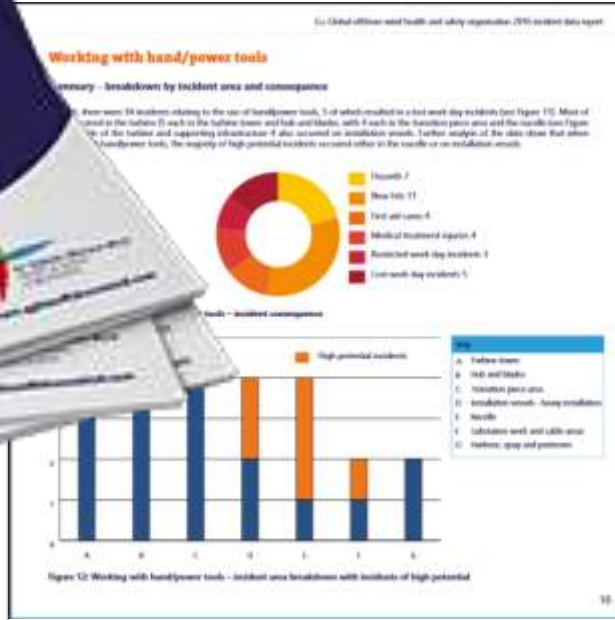
LTIF's and TRIR



Industry benchmarking – Offshore (up to 2017)



Incident data - Visualisation



Annex A

All of the G+ members have reported incidents to the G+ Health and Safety Organisation. The following tables provide a summary of the incidents reported to the G+ Health and Safety Organisation.

Table A1: Incidents reported - Construction

Site type	Incident area	Work process	Severity category	Area/consequence	High potential incidents	Lost work day incidents
Offshore	Turbine tower	Construction	High	Medical treatment required	1	1
Offshore	Hub and blade	Construction	High	Medical treatment required	1	1
Offshore	Transition piece area	Construction	High	Medical treatment required	1	1
Offshore	Nacelle	Construction	High	Medical treatment required	1	1
Offshore	Installation events	Construction	High	Medical treatment required	1	1

Table A2: Incidents reported - Commissioning

Site type	Incident area	Work process	Severity category	Area/consequence	High potential incidents	Lost work day incidents
Offshore	Turbine tower	Commissioning	High	Medical treatment required	1	1
Offshore	Hub and blade	Commissioning	High	Medical treatment required	1	1
Offshore	Transition piece area	Commissioning	High	Medical treatment required	1	1
Offshore	Nacelle	Commissioning	High	Medical treatment required	1	1
Offshore	Installation events	Commissioning	High	Medical treatment required	1	1

Table A3: Incidents reported - Civil works

Site type	Incident area	Work process	Severity category	Area/consequence	High potential incidents	Lost work day incidents
Offshore	Turbine tower	Civil works	High	Medical treatment required	1	1
Offshore	Hub and blade	Civil works	High	Medical treatment required	1	1
Offshore	Transition piece area	Civil works	High	Medical treatment required	1	1
Offshore	Nacelle	Civil works	High	Medical treatment required	1	1
Offshore	Installation events	Civil works	High	Medical treatment required	1	1

Home Contact

G+ Global Offshore Wind Health and Safety Organisation

Health and safety statistics

The G+ is committed to providing the industry with information that will improve health and safety performance. Since the formation of the G+, members have been providing health and safety information and statistics for analysis and in order to ensure lessons learned. By collecting, analysing and publishing incident data, it demonstrates:

- G+ leadership through the development of evidence based event programme, based upon health and safety incident data
- An understanding and awareness of the health and safety issues which form the basis for G+ member operations and operational engagement
- A clear desire to improve the safety performance of G+ members and their contractors through the collection, analysis and sharing of health and safety information on hazards.

The health and safety statistics reports can be found here.

Work Programme

Good Practice Guidelines

Health and safety statistics

Offshore wind & solar procedures

Safety Design Workshops

Stakeholder Forum

Useful Websites

About the Energy Institute

Number of Incidents