

Solakonferansen 2021

On Industry Statistics

Dr Matthew Greaves

Director, Safety Intelligence Programme

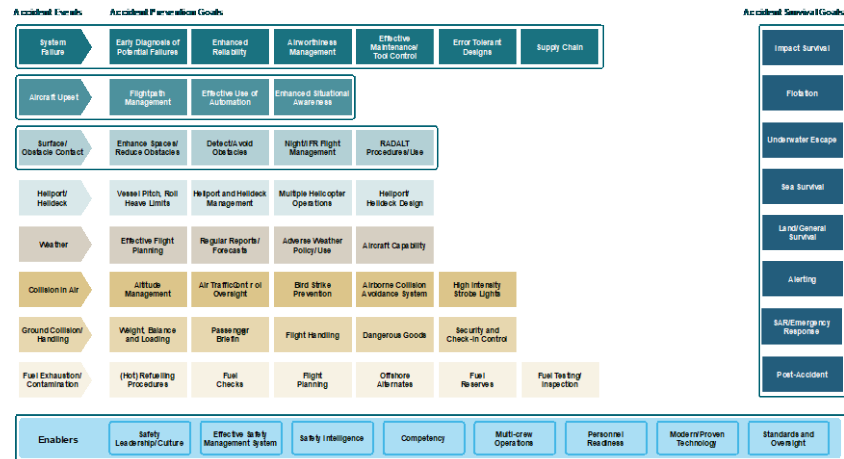


HeliOffshore
Safety Through Collaboration

About HeliOffshore

- Global member organization
- Pure focus on safety of offshore helicopters
- HeliOffshore's purpose is to ensure no lives are lost through offshore aviation

HeliOffshore Safety Performance Model



Safety Performance Model



About me...

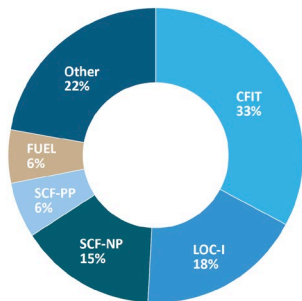
- Engineering degree and PhD
- QinetiQ
- 10 years Cranfield University Safety and Accident Investigation Centre
 - Accident Investigation
 - HUMS research
 - FDM
 - AF447 -> GADSS
- Joined HeliOffshore 2018



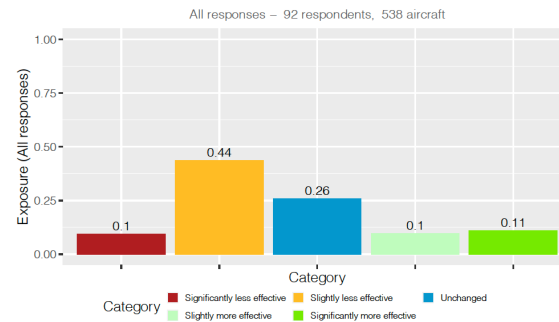
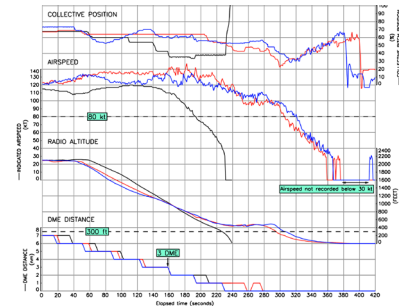
Why is data important?



Data-driven



- flight data
- accident statistics
- survey data
- event rate data
- etc...

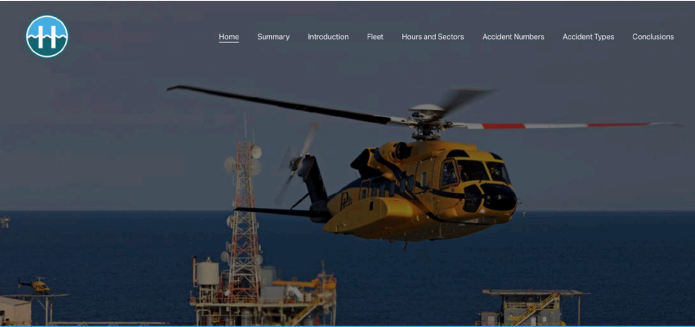


Data Security

- MOU
- Data Handling through Tonic Analytics
- Governance (SSG)
- Anonymity



Industry Report



www.helioffshore-industry-report.org




allowing a more timely response as we react to the data and reinforce our individual and global safety strategies.

Reading safety data invites reflection. Whether the data reveal our challenges or reflects a positive trend in safety performance, we are reminded of our critical and relentless mission to ensure no lives are lost in offshore aviation. Where we can be confident that our safety actions led to improved performance, we must sustain those actions. An unexplained positive trend requires continued vigilance - those who fly, maintain, handle and are transported in our helicopters, deserve nothing less. But in any case, we must act. Safety is only the result of our individual and collective actions.

We will continue to develop this annual report to provide a view that is only apparent when we combine our knowledge and safety information - please share the insights you gain from it and tell us what this data means to you. We want to build on its content every year, increasing its value to our members. What would you like to see in future reports?

Contact me at tim.rolfe@helioffshore.org. Look forward to hearing from you.

Tim Rolfe
CEO, HeliOffshore





HeliOffshore
Safety Through Collaboration

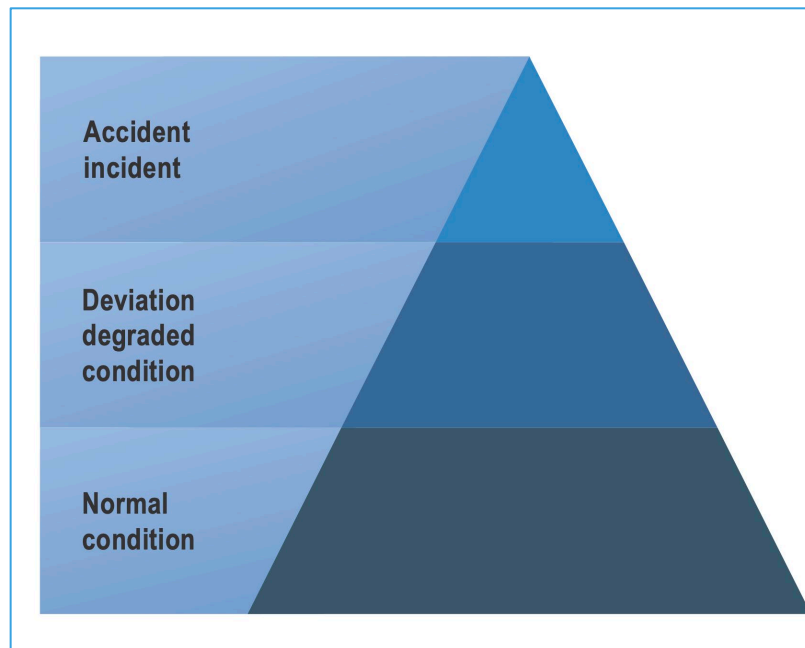
Projects

- InfoRate
- Leading Indicators
- Rig Take-off
- All are funded by JIP 37



Precursor events

- Accidents are the rare bad outcome
- Want to work further down the 'safety triangle' for a better risk picture
- Events can be sensitive (InfoShare)
- Green paper launched at the beginning of this year



From ICAO SMM (9859) 4th Edn

InfoRate

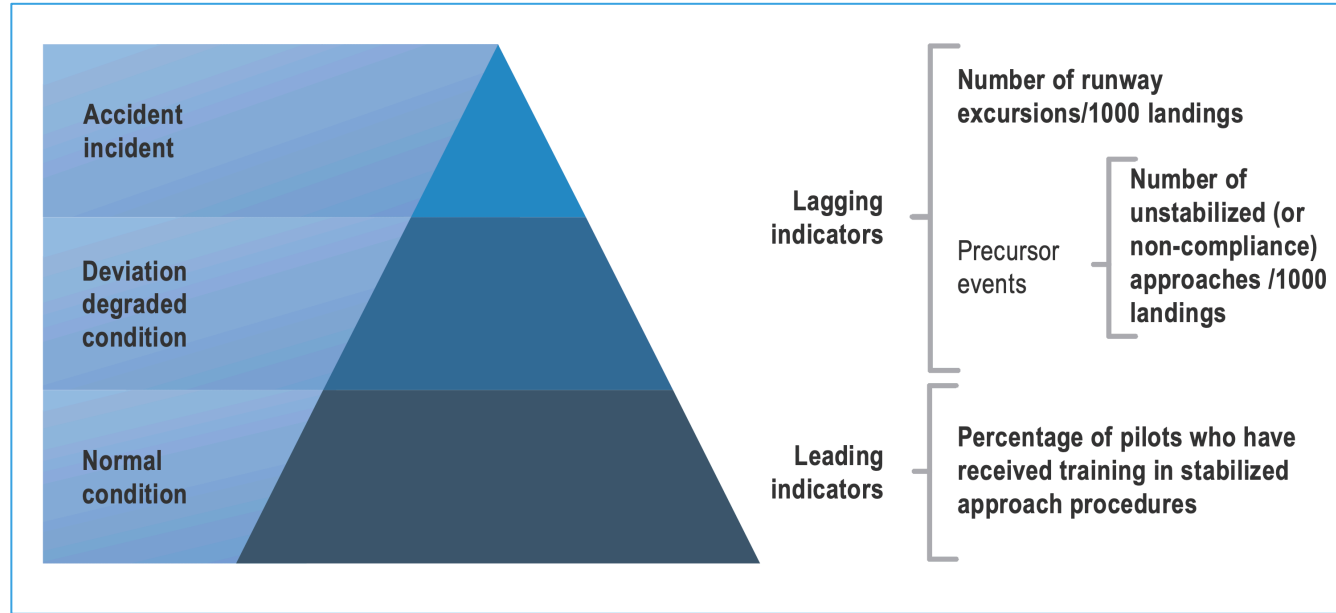
- Collect numbers of events, in defined categories
- Normalised against Flight Hours / Sectors
- 3 focus areas: Ops, Maintenance, Helidecks
- Have consulted with regulators, OEMs, O&G customers and operators
- Initial categories have just been agreed – will refine over time
- Examples...

InfoRate

Category	Description
Temporary loss of control	the flight crew lost control of the aircraft, or unintentionally deviated from the desired flightpath (even for a short period)
Tools/eqpt left on aircraft	a failure or omission of tool control procedures resulted in tools/equipment/FOD being left on an aircraft released for flight
Undeclared Dangerous Goods	dangerous goods were carried (either as freight or passenger baggage) without a NOTOC (or similar notification document) being presented to the crew

InfoRate – Leading Indicators

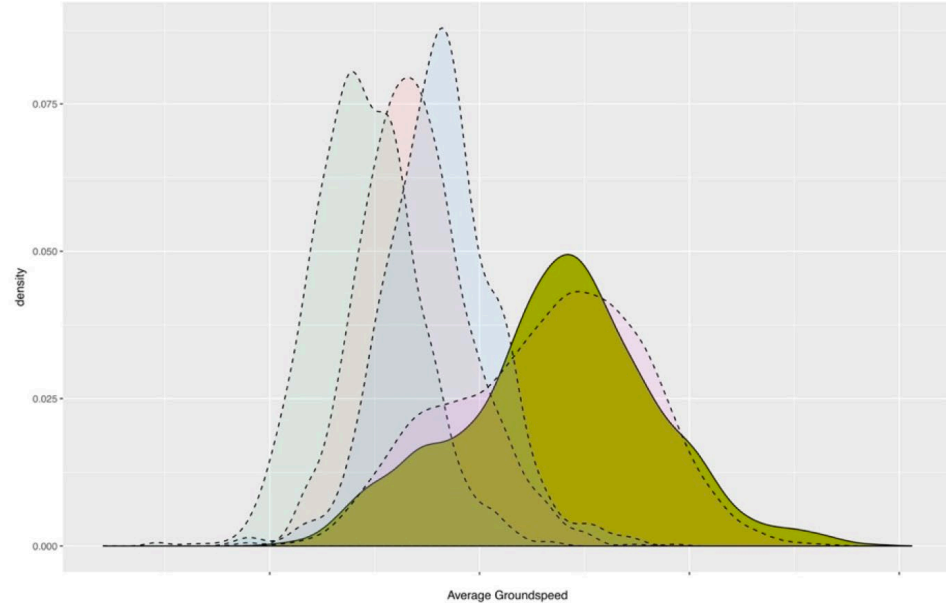
- Starting work
- Much harder!
- Same collection route



From ICAO SMM (9859) 4th Edn

HFDM

- ‘Shared’ metrics aren’t trivial:
 - workload
 - implementation (apples <-> apples)
 - ease of modification
 - data formats
 - etc.
- Have run some successful proof-of-concept projects



HFDM

- Recent agreement to share raw HFDM
- Starting with the S-92
- Anonymous to us – no access to crewing
- Anonymous to other members
- Rig Take-off
 - Check for SOP alignment
 - Develop metrics
 - Feedback to members

Data...

“...data is like oil in that the crude, unrefined stuff is not much use to anyone. You have to process it to get something valuable...”

With data, you need to analyse it to provide insights that can inform decisions.”

Tim Harford



Get involved

- Would like more involvement from Norway
- Significant activity and expertise
- Can go through your main contact or email me direct