



International
Association
of Oil & Gas
Producers

HFC presentation

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Safety Moment – what's missing?



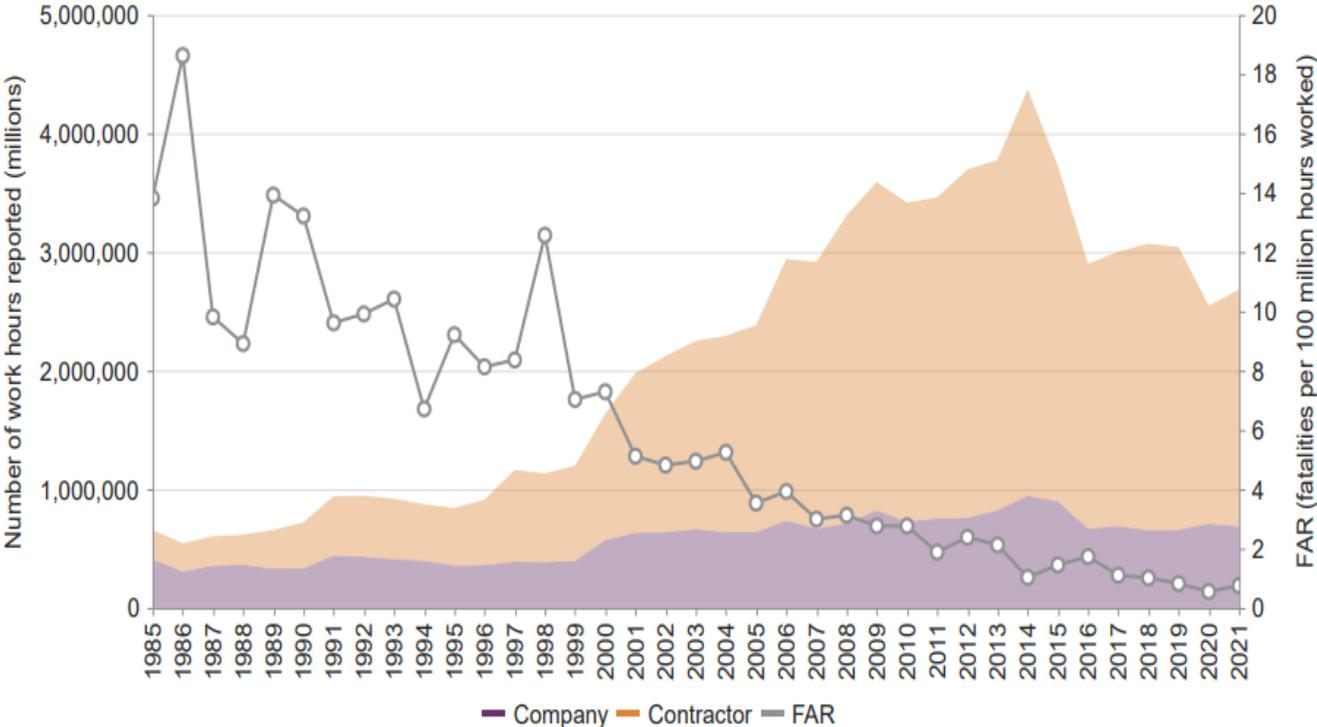
Safety Moment – what's missing?



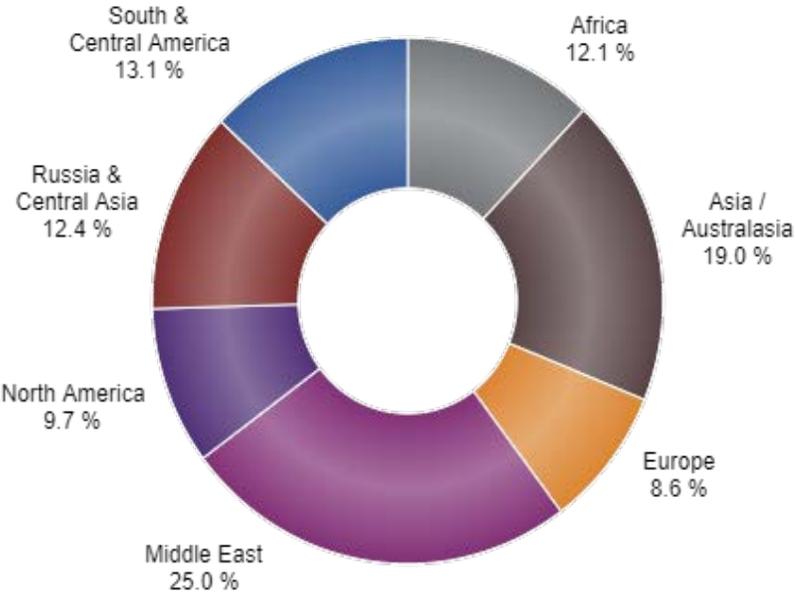
Some data for context

data.iogp.org

Reported work hours and fatal accident rate (1985–2021)

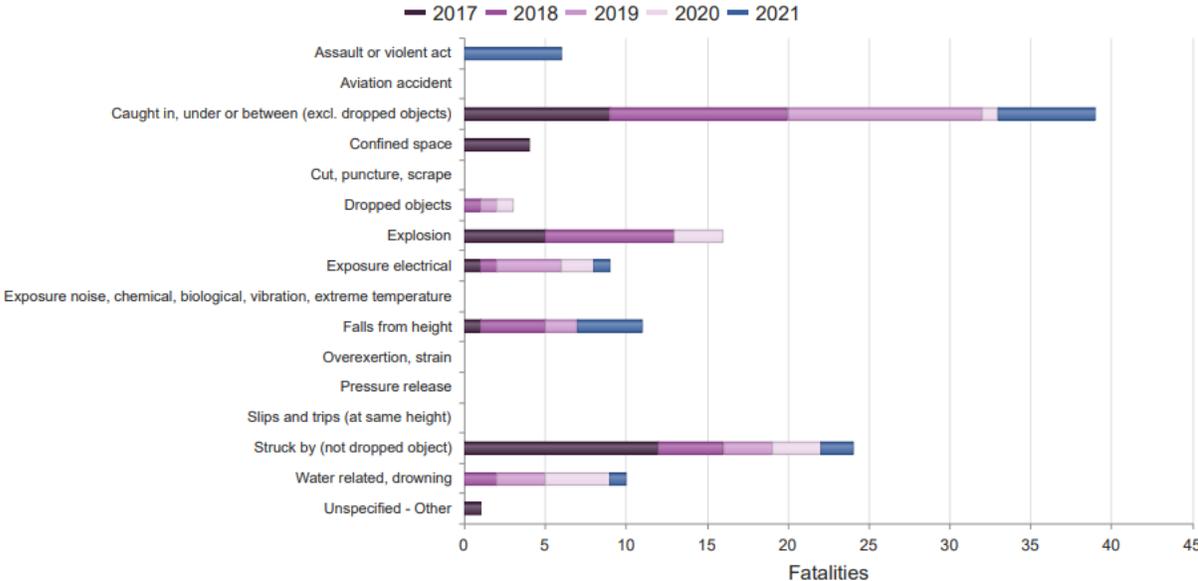


Percentage of work hours reported by region (2021)

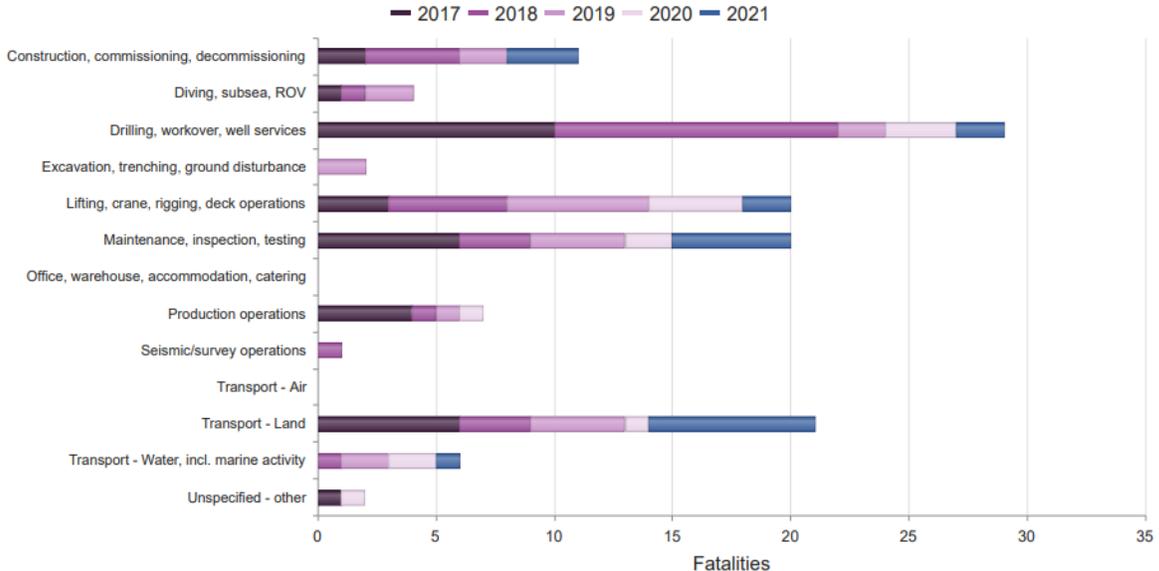


Some causals for context

Fatalities by cause (2017-2021)

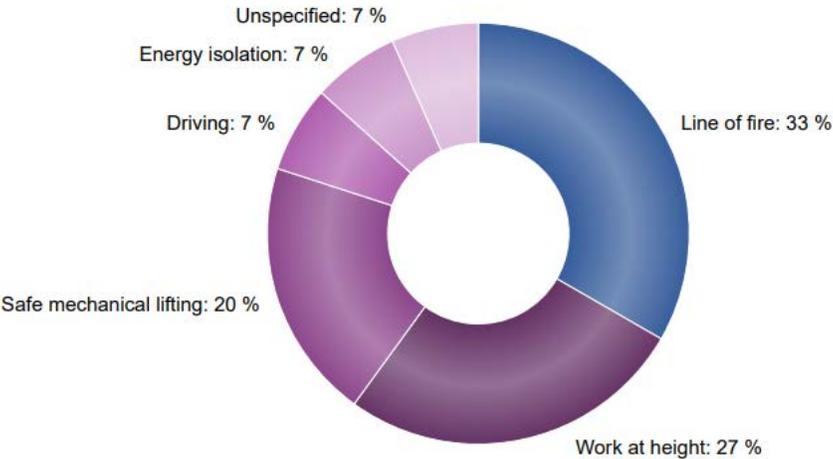


Fatalities by activity (2017-2021)

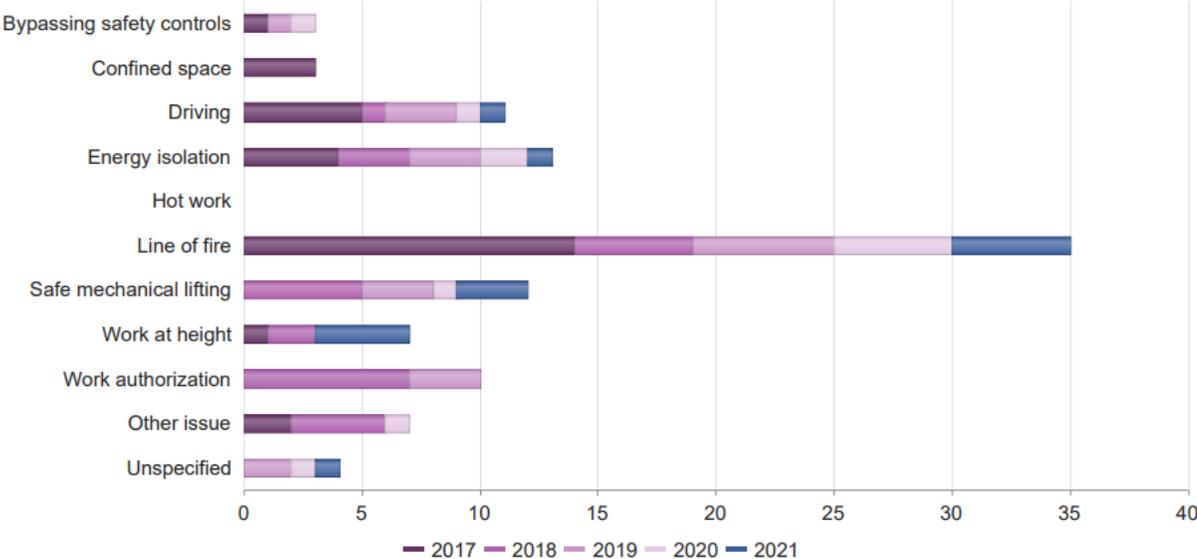


Which rules could have prevented

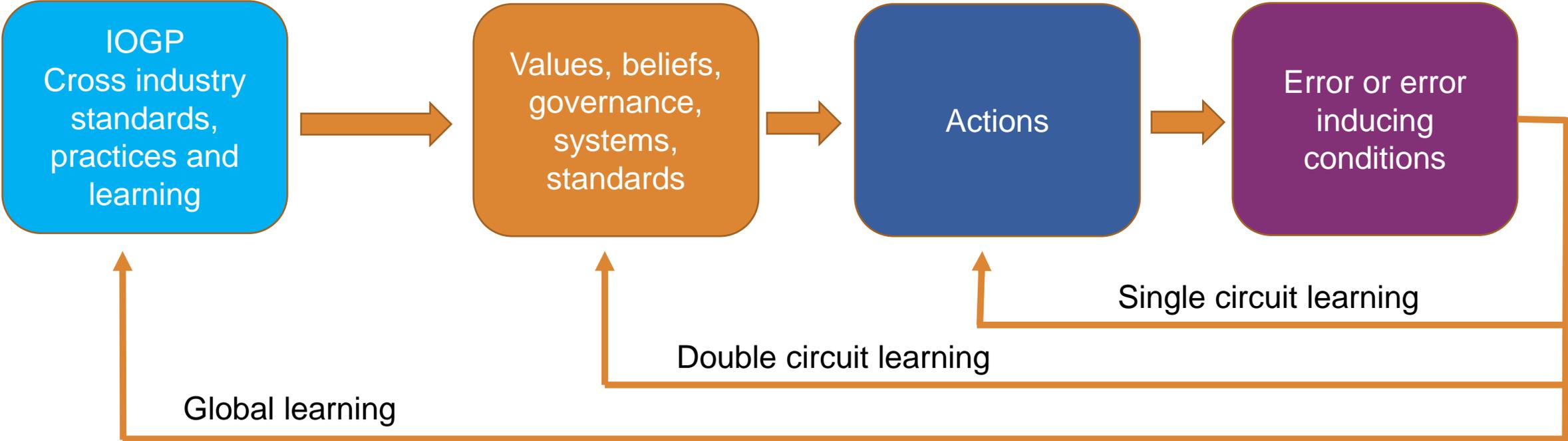
Percentage of Life-Saving Rules allocated to fatal incidents where a rule was allocated (2021)



IOGP Life-Saving Rules allocated to fatal incidents (2021)



Our “why” on data - adapted from PSA - Norway



#Adapted from "Learning from incidents, PSA, provided by Linn Iren Vestly Bergh

Human Performance Principles



Error is normal

Blame fixes nothing

Context drives behaviour

Learning is vital

How you respond matters

Trust equation

The Trust Equation

$$T = \frac{C + R + I}{S}$$

Trustworthiness = *Credibility* + *Reliability* + *Intimacy* / *Self-Orientation*

What if trust was a decision?

$$\text{Value created} = V_g * A - V_l * (100-A)$$

A = percentage of cases worthy of trust

V_g = value gained when trust is well placed

V_l = value lost when trust is misplaced

Some missing pieces

- 1) Shared, common language
- 2) Data which reflects Human Factors
- 3) Deeper understanding of Human Factors in investigations
- 4) Full application of cross functional expertise
- 5) How do we de-clutter and create space

What are we doing about it?

- 1) Align HP principles with other global trade associations
 - communicate, communicate, communicate.
- 2) Define a HF data taxonomy
- 3) Settle on a method for inclusion of HF in investigations.
- 4) Apply HF expertise across our deliverables and inspire curiosity
- 5) Drive standardization of industry best practices.

Eye scanning research, first step



Cyber chair, auto driller disengaged



Cyber chair auto driller engaged



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