

# HIGH IMPACT LOW FREQUENCY

MPA INTERNATIONAL SAFETY@SEA CONFERENCE 2018

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MARITIME RISK MANAGEMENT  
GIVING DATA A VOICE

# PREDICTIVE MODELLING (PROBABILISTIC MODELS)

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# HOW DOES HILO WORK?

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Video

# WHAT MAKES HILO DIFFERENT?



HiLo

PREDICT

IDENTIFY

MITIGATE

PRECURSORS/WEAK SIGNALS

Leading Event 1

Leading Event 2

Leading Event 3

Undesired Event

Impact 1

Impact 3

Impact 3



Operational Industry

INVESTIGATE

ANALYSE

RECOMMEND

HIGH IMPACT EVENTS

Leading Event 1

Leading Event 2

Leading Event 3

Undesired Event

Impact 1

Impact 3

Impact 3

HiLo  
Risk  
Analysis

Industry  
Frequency  
Analysis

# SOME FACTS

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## Purpose - To make Maritime Industry safer

### History

- Started as a project in 2015, Initiated by Shell Shipping & Maritime, Maersk & Lloyds Register consulting (Energy)
- 2016 – Partnered with 8 additional ship operating companies to enhance the model
- July 2018 - 30 companies , approx. 2000 Tankers data received monthly
- 2018 key milestone – Extend model to Bulkiers & Containers

### Governance

- Incorporated in April 2018 as a “Not for Profit”
- Industry driven organization by participants i.e Ship operators & technical managers who are data providers

### Guiding principles

- Trustworthy (data security & anonymity)
- Non-regulatory, non-policing, non-penalizing
- No competitive advantage to any participating company

