

HeliOffshore's Activities and Delivery of the Safety Programme

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Solakonferansen

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HeliOffshore
Safety Through Collaboration

Overview

- **Introduction** to HeliOffshore
- **Strategic** focus and our **Safety Programme**
- Focus on **Human Performance**
 - *Data* → *Insight* → *Action*



HeliOffshore's Vision

*A safer frontline
served by an open, responsive and aligned industry...
...so no lives are lost in offshore aviation*



Membership – and global partnerships

West Coast
 Macquarie
 Rotorcraft
 Leasing
 Limited (CA)

South
Aerosservicios
Especializados S.A.
De C.V. (MX)
 Arrow Aviation (LA)
 Bell (TX)
 BP Plc (TX)
Bristow Group Inc. (TX)
CHC Helicopter
 Chevron Corporation (TX)
 ConocoPhillips (TX)
 Exxon Mobil Corporation
 Aviation Services (TX)
Heliservicio S.A. (MX)
 Honeywell Aerospace
 (AZ)
 The LOSA Collaborative
 (TX)
National Helicopter
Services Limited (NHSL)
(TT, WI)
 Outerlink Global
 Solutions (LA)
PHI Inc. (LA)
 Standard Aero/Vector
 Aerospace (AZ)
Transportes Aéreos
Pegaso S.A. de C.V. (MX)

Canada
Canadian Helicopters Offshore
Cougar Helicopters Inc.
 Heli-One
 International Aviation
 Marketing Limited
 Pratt & Whitney Canada
 Providum Aviation Services
 SKYTRAC Systems Limited

Midwest
 Collins Aerospace
 (IA)

East Coast
 Air Safety
 Engineering LLC (DE)
 Flight Safety
 Foundation (VA)
 FlightSafety
 International Inc.
 (DE)
 GE Aviation (MA)
 Global Aerospace Inc
 Helicopter Association
 International (HAI)
 (VA)
 Sikorsky Aircraft
 Corporation (CT)

South America
HeliAmérica, SAC (PE)
Lider Aviação S/A (BR)
Modena Air Service (AR)

Europe
 Aerossurance Limited (UK)
 AeroteQ Consulting Limited (UK)
 Airbus Helicopters (FR)
 Aircontact Services AS (NO)
 Airtight Aviation Services Ltd (UK)
 Air & Sea Analytics (UK)
Alidaunia S.R.L (IT)
 Atrium Underwriters Ltd (UK)
 AviaSafety Consulting
 International (UK)
 Baines Simmons Ltd (UK)
Bel Air Aviation A/S (DK)
 Convex Insurance (UK)
 Coptersafety OY (FI)
 Cranfield University (UK)
 DART Aerospace (UK)
 Ecole Nationale de l'Aviation
 Civile (ENAC) (FR)
 Eni (IT)
 Equinor (NO)
 G.E.D.A. S.p.A. (IT)
 Greendeck Operations Ltd (UK)
Gulfmed AVIATION SERVICES (MT)
 HDI Global Specialty (SE)
Heli Holland Offshore
B.V. (NL)
HeliService International
GmbH (DE)
 HELISPEED UK)
Heli-Union (FR)
 HeliVibe Training
 & Consultancy Ltd (UK)
HTM Helicopter Travel
Munich GmbH(DE)
 International Association of Oil & Gas Producers (IOGP) (UK)
 Intrinsic AS (NO)
KN Helicopters (DK)
 Lease Corporation International (LCI)
 Helicopters Ireland Limited (IRL)

Europe
 Leonardo Helicopters (IT)
 Liberty Specialty Markets (UK)
 Milestone Aviation Group Limited (UK)
 Oil & Gas UK
NHV (BE)
 Norwegian Confederation of Trade Unions
OMNI Helicopters International (PT)
 Safran Helicopter Engines (FR)
 Shell Aircraft Limited (NL)
 Siemens Gamesa Renewable Energy(UK)
 Spectro|Jet-Care (UK)
 Starr Underwriting Agents Ltd (UK)
 Step Change in Safety
 Limited (UK)
 Tonic Analytics Limited (UK)
 TOTAL SA (FR)
Vega Offshore SRL (RO)
WIKING Helikopter Service
GmbH (DE)
 Willis Towers Watson (UK)

Africa
Caverton Helicopters (NG)
Everett Aviation (KE)
Heliconia Aero Solutions (MA)
International Aircraft Services (CI)
Nesto Aviation (NG)
SonAir Airline Services S.A. (AO)
THG Group (SA)
Tunisavia (TN)
Ultimate Heli (SA)

HeliOffshore Members
 4th May 2021
AOC holders in bold Italics

Russia
PANH Helicopters
UTair-Helicopter Services

Middle East
 ORYX AVIATION
 SERVICES (UAE)

Asia
Brunei Shell Petroleum
Company Sdn Bhd (BN)
<Euro-Asia Air> Air Company
ASC
PT Travira Air (ID)
Sazma Aviation Snd Bhd (MY)
SFS Aviation Company Limited
(TH)
United Offshore Aviation
Company Limited (TH)
Weststar Aviation Services Sdn
Bhd (MY)

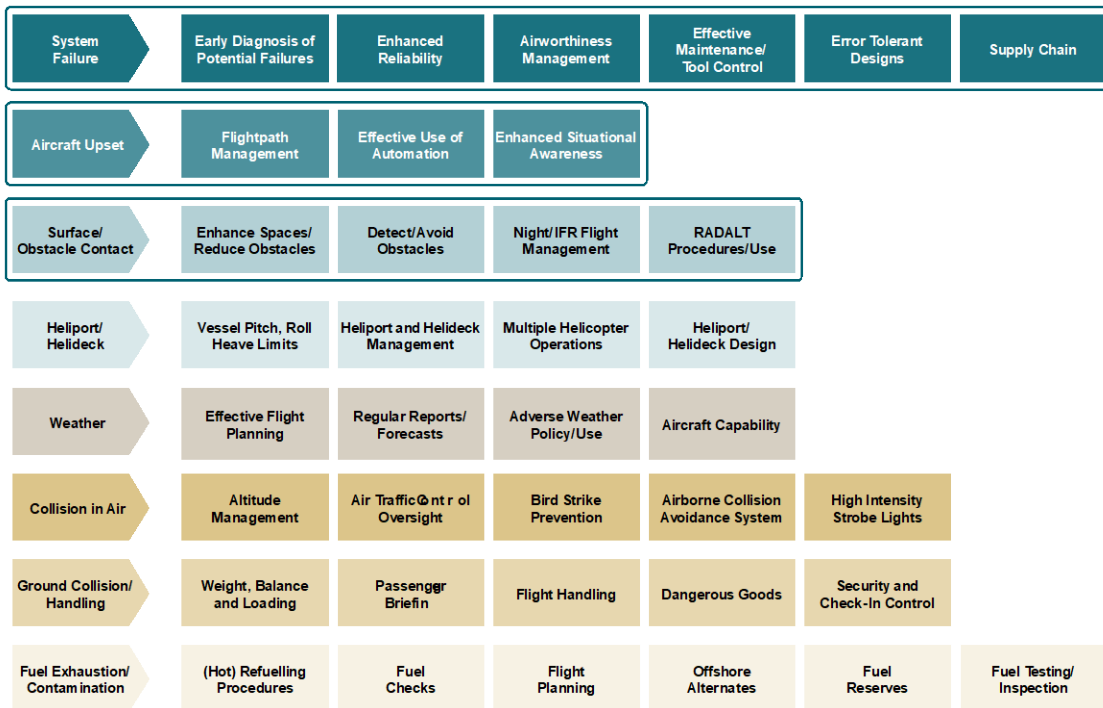
Australia
 Airworks NZ
 BHP
 SGS Aviation Compliance
 Upstream Aviation

New Zealand
PHI International

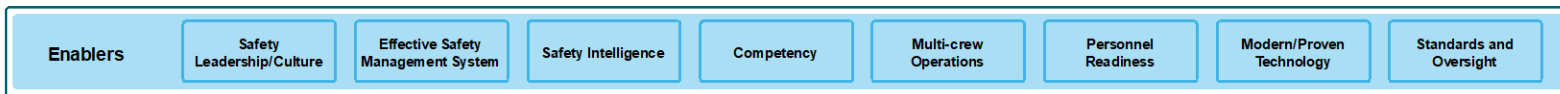
HeliOffshore Safety Performance Model

Accident Events

Accident Prevention Goals



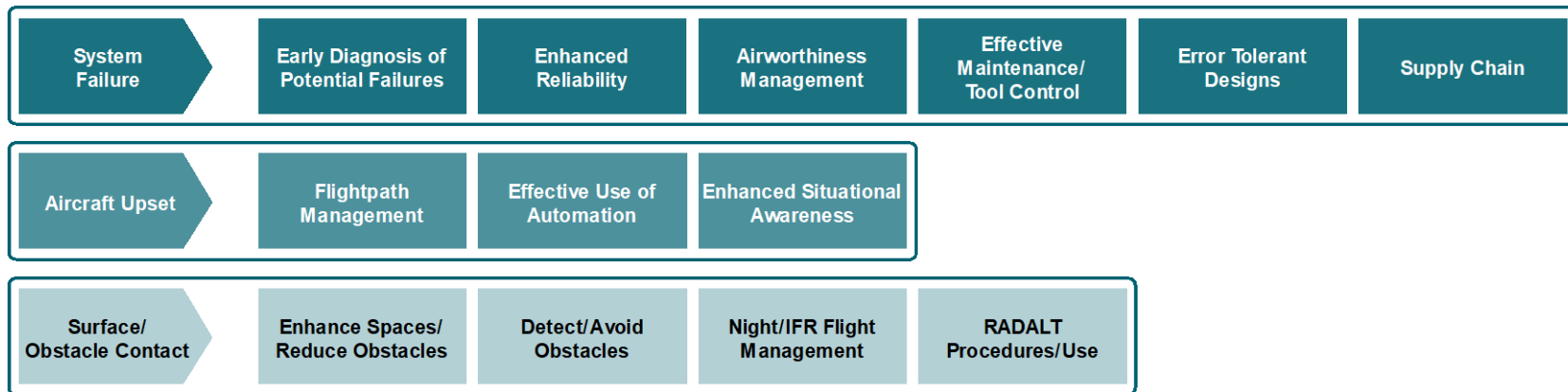
Accident Survival Goals



Safety Performance Model - priorities

Accident Events

Accident Prevention Goals



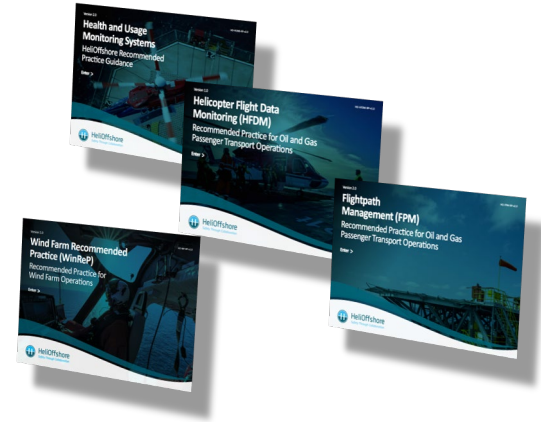
Areas of strategic focus

Short term	Medium term	Long term
<ul style="list-style-type: none">- COVID-related focus:<ul style="list-style-type: none">• Safe transportation• Fatigue and distraction• Recency and simulator access• Wellbeing Risk Management	<ul style="list-style-type: none">- Safety Performance Model priorities:<ul style="list-style-type: none">• CFIT• Loss of Control• System Reliability (Critical Systems)- Use of Sustainable Aviation Fuels- Integrated VLOS and BVLOS RPAS- Helideck operations	<ul style="list-style-type: none">- New aircraft technology:<ul style="list-style-type: none">• fly-by-wire• single pilot ops• complex aircraft ops (eVTOL)- Industry experience levels



Key focus activities – 2021

- Workstream **delivery plus effective implementation**
 - *FPM, HUMS, HFDM and Wind Farm Recommended Practices (RPs)*
 - *HHA Standardised Approach* for aircraft design
 - *Focused Work* toolkit
 - *Pilot monitoring* research and training tools
 - Competency-based projects:
 - Evidence-based Training (EBT)
 - Development of maintenance ‘competencies’
 - Establishment of Workplace observation programmes



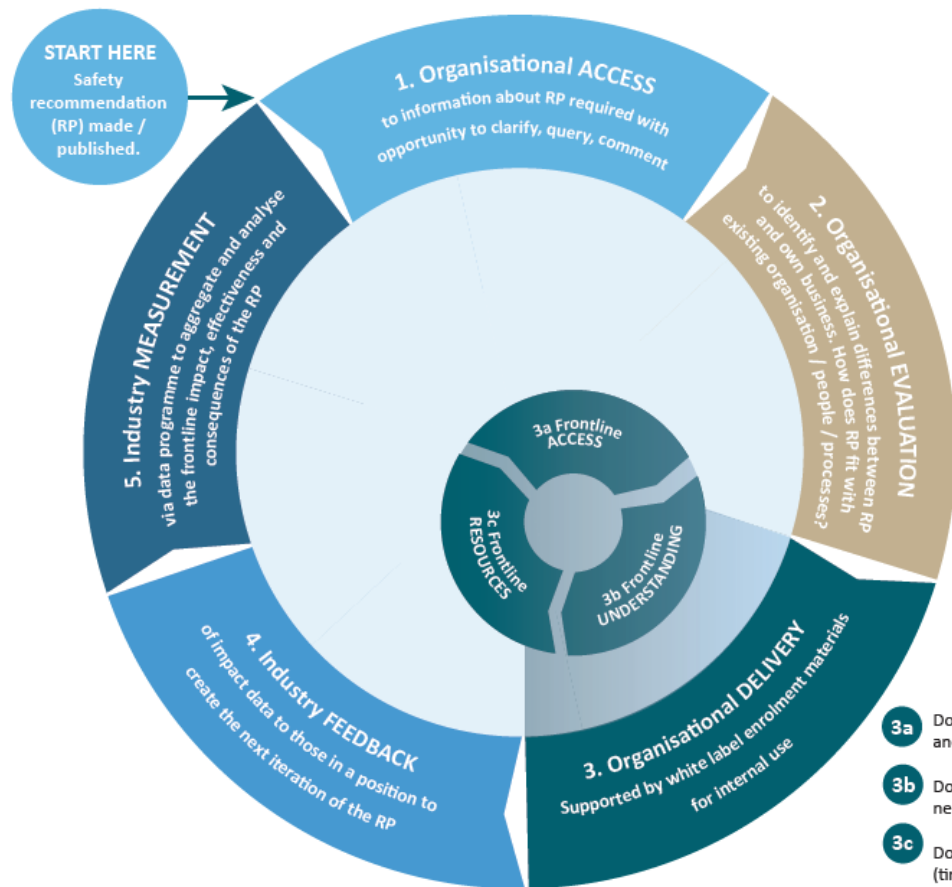
Key focus activities – 2021

- AW139 / AW189 Enhanced HTAWS implementation
 - PLEASE DISCUSS A PLAN OF HOW TO ADOPT
- Tracking industry safety performance
 - *2020 Data Report* online
 - InfoRate and Leading Indicators *Green Paper* shared
 - HFDM data-sharing: Rig take-off
- Rollout of HeliOffshore's Implementation Tool-kit



Implementation process: creating visibility of RP adoption

- To be applied to:
 - FPM RP
 - HFDM RP
 - FCOMs
 - HUMS RP
 - Windfarm RP



Implementation

How HeliOffshore supports you to enrol the frontline and implement recommended practice so no lives are lost in offshore aviation.

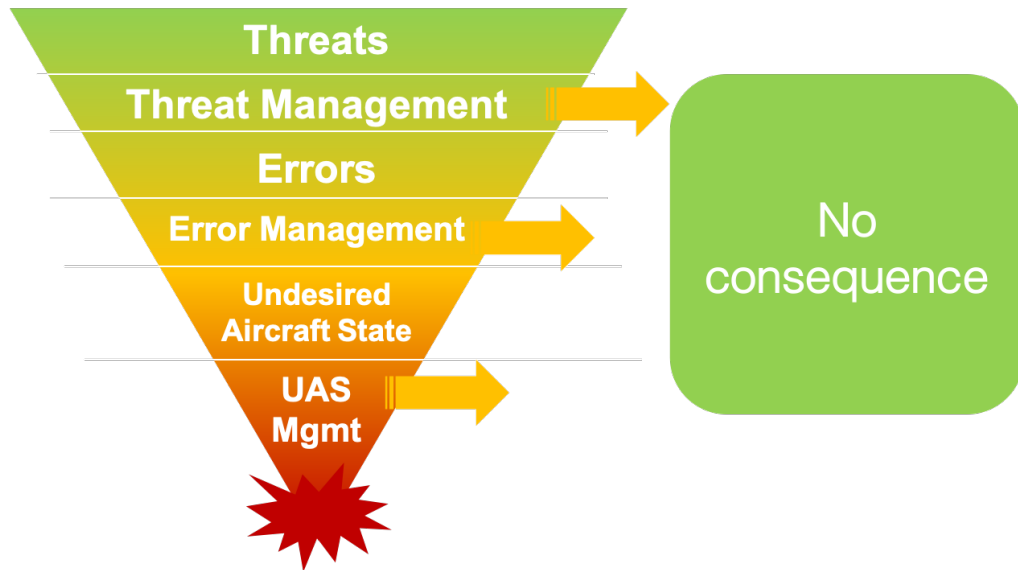
- 3a** Does frontline have **ACCESS** to information and **know** what needs to be done?
- 3b** Does frontline **UNDERSTAND** and agree with need for change and feel **motivated** to change?
- 3c** Does frontline have the necessary **RESOURCES** (time, tools, techniques, training) to apply recommendations and take action?

Observing Human Performance



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Observing Human Performance in the workplace

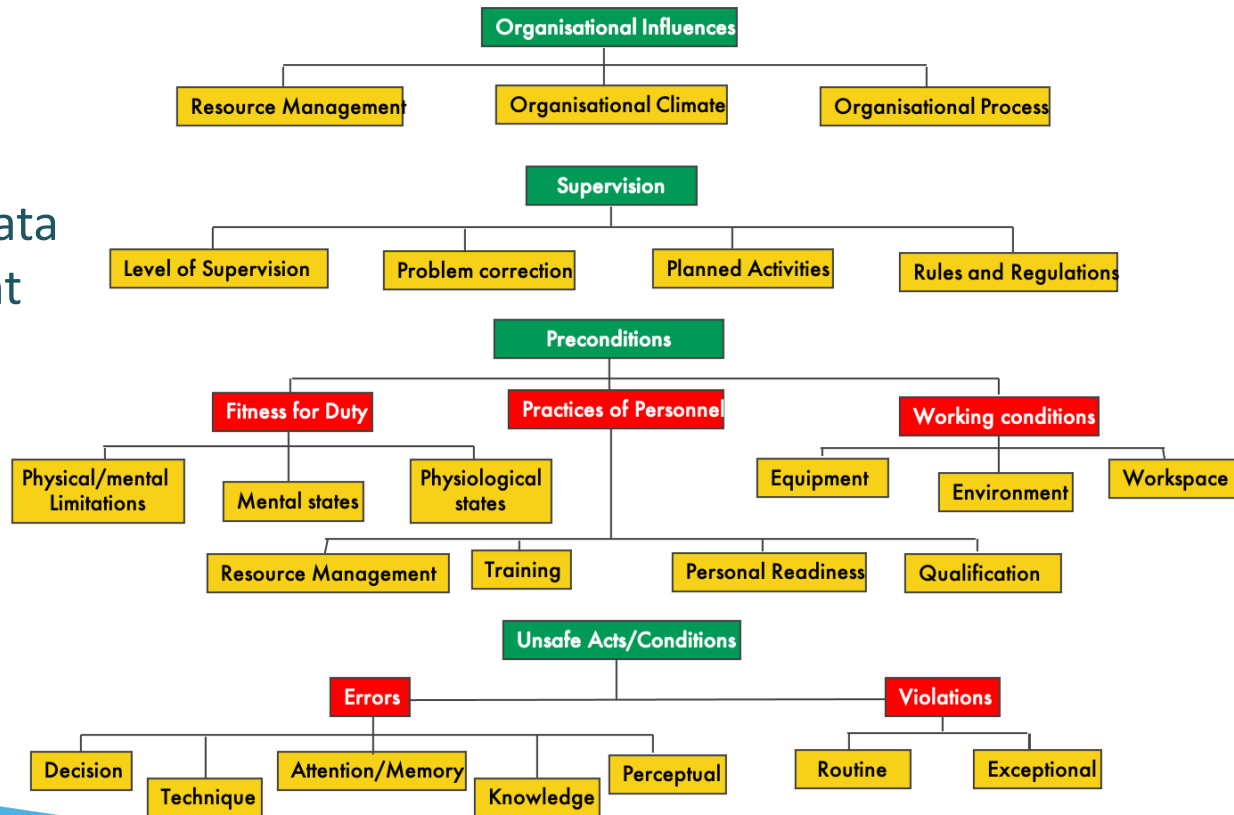


...needs a paradigm shift in our safety management approach



Aligning our HP approach – HFACS taxonomy example

- Common terms for Human Performance data from accident / incident and normal work observation



Collaboration and the way forward...

- **Reset / recover** for interim mitigations for COVID-19
- Underline a **Human-centric** approach:
 - take action to address **well-being risk management**
 - adopt systematic observations of **normal work**
- ***Data → Insight → Action***



Tusen takk!

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www.helioffshore.org

www.helioffshore-industry-report.org



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