

FENNEX

How Cross Sector Learning Is Driving Safety Performance

Speaker: Adrian Brown, Managing Director, Fennex

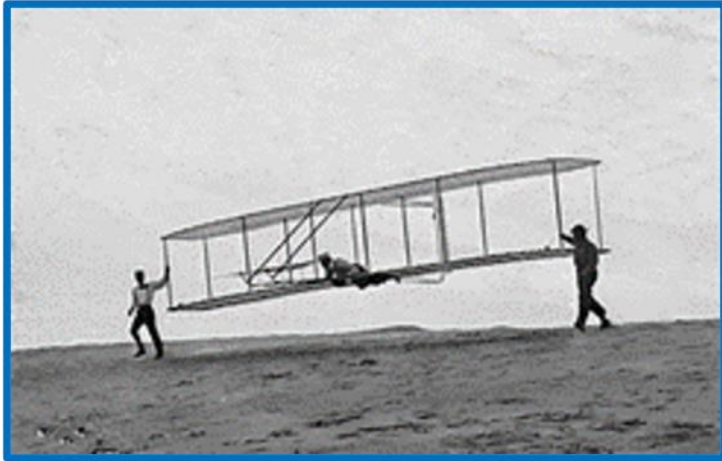
œUK

HSE Conference | Session: Personnel Safety

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Change is Inevitable



Innovation Driven Cross Sector Learnings

To Drive Safety Performance in Offshore Energy

Healthcare

Police

Sports

Healthcare Sector



Wearables



84%

organisations use wearable technology

-15%

in healthcare-associated infections

Offshore Industry



Smartwatches for Vital Signs Monitoring and Fatigue Detection

- Early detection of fatigue, heat stress, medical emergencies
- Integration with existing communication systems



Smart Clips or Pendants with Fall Detection

- lone workers, tasks at heights, on slippery surfaces.
- Integration with existing emergency response system



Gas Detection Wearables

- workers in confined spaces, near chemical storage
- Prompt alerts of exposure to hazardous gases



Body-worn Cameras



-88%

Use-of-force incidents

-54%

Citizens' complaints

Offshore Industry



Real time detection

Identify and address live and potential hazards proactively (Computer Vision AI)



Improve training & operations

Analyze real-world scenarios for more effective training



Enhance accountability

Promote safety practices through transparency

Sports



Rugby - RFID



Offshore Industry



Real-time tracking

Reduce search time and improve efficiency.



Predictive Alerts

Predict issues before events occur

F1 – Advanced Analytics



Predicting Safety Performance (Big Data models)

Probability of incident & Risk level on area, location, process..



Computer Visioning

Detecting unsafe behavior and conditions in real-time

Homegrown Expertise - Global Reach



+25 Years Offshore Industry Experience



Human-led Processes by Cutting Edge Tech



Streamlined Microsoft centric



Agile & Hybrid Approach

20+ countries



70+ offshore assets



30k end users



Cross Sector Learnings - WindSafe™ Project



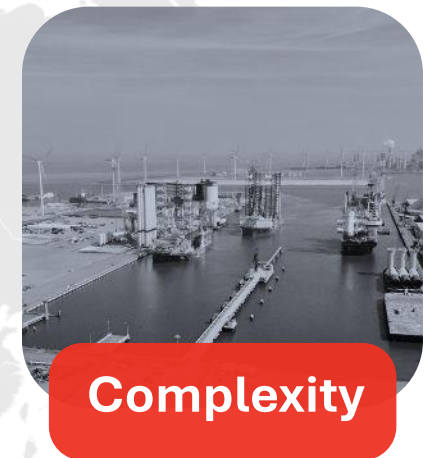
Accelerating Innovation from O&G to Offshore Wind



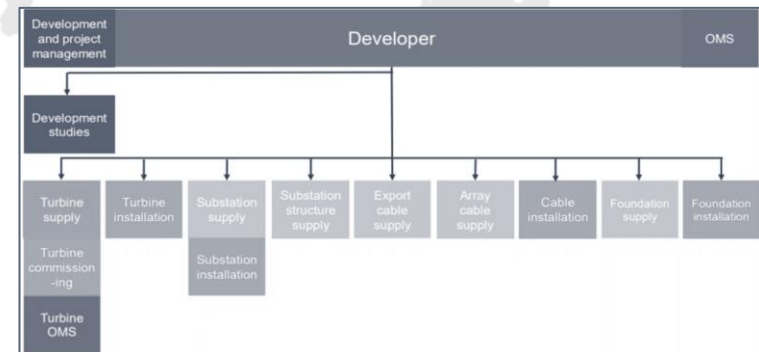
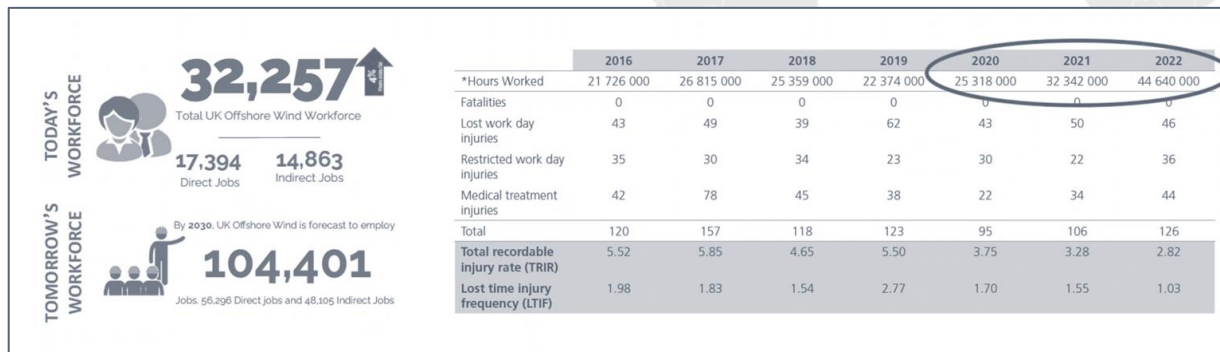
WindSafe™ is driven by:

- ✓ **Common Challenges**
- ✓ **Proven Technology**
- ✓ **Customer Problems**
- ✓ **Innovative Solution**

The Need for Enhanced Safety in Offshore Wind Industry



Safety is Challenge and an Opportunity



BBSS™ in O&G: Easy to Use Fully Automated Safety Reporting



Multi Award Winning Digital Solution - BBSS™



Open Access & Easy Reporting

Corrective Actions Management & Tracking

Real Time Visibility for Key Safety Trends

Mobile Tech with QR

Cloud Based Collaboration

Interactive Dashboards



Case Results - Noble Corporation

2020 since

800 3rd party

contractors **1.8M+** observ

ations

200k+ corrective actions

-41% incident rate

HSE Reporting: Industry Collaboration

FENNEX

Market Study with University

- Strathclyde project to study market and conduct interviews

Collaboration with OW HSE Experts

- ORE Catapult West Program

Workshop with Stakeholders

- 14th Nov Workshop with representatives from the industry



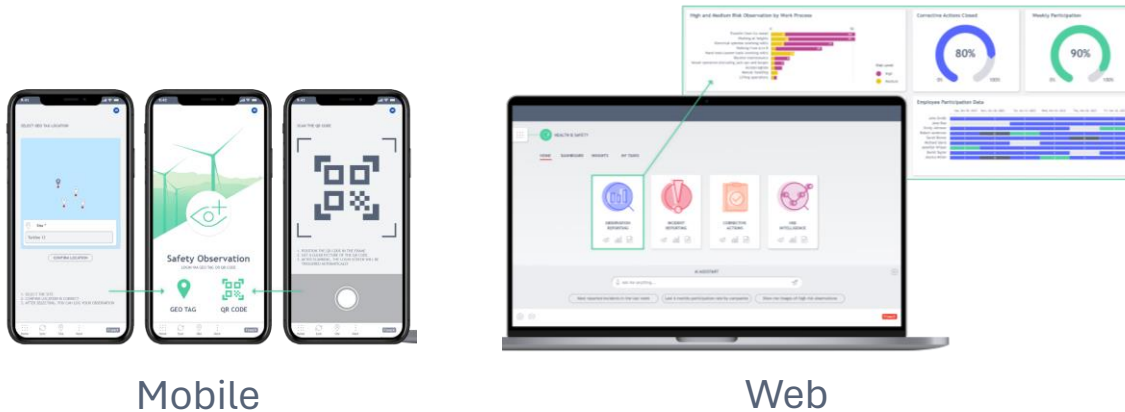
Participants from developers, EPCs, contractors, industry bodies



WindSafe™ Next-Gen Safety Reporting SaaS Platform for the Wind Industry

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Targeted at OW Developers & Contractors



Mobile

Web

Modules



Features & Capabilities

- Open Access for All Contractors
- Geo-Tagging & QR Technology
- Multilingual Reporting
- Automated Corrective Action Tracking
- Feedback & Communication Loop
- API Integrations with Other Systems

A photograph of an offshore wind farm. In the foreground, a large white wind turbine is partially visible, with its nacelle and part of a blade. In the background, another wind turbine is visible to the left, and two oil rigs are visible to the right. The sky is overcast with grey clouds, and the water is a dark blue-grey color.

The journey towards a safer and more sustainable offshore energy industry starts with embracing innovation

“Those who look only to the past or present are certain to miss the future” John F. Kennedy



Thank You!

Q&A



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Smart **Digital** Solutions
For a Better Energy Future

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