Strainstall

START AS YOU MEAN TO GO ON

Learning from the past
to assure our future

Michael Hook
Business Development Manager - Renewables

Strainstall

ASSET MONITORING SOLUTIONS

Strainstall

PHASE 1

Proof of concept through real-time mooring load insights

PHASE 2

Data insights to support upscaling and risk management

PHASE 3

Continuous improvement in design and efficiency

ENABLING DIGITALISATION FOR THE FUTURE

Pilot projects: Hywind

ASSET ASSURANCE & LEARNING

Supplied to MacGregor Pusnes

- Patented strain ring sensors integrate seamlessly into pre-existing configurations
- Proven to support floating assets in challenging offshore O&G environments
- Delivers accurate mooring load data in real time
- Data insights prove that models work in practice
- Resolution of 0.25% of full scale

Strainstall

Phase

1 PILOT PROJECT SUPPORT

+ Model verification

+ Value engineering

+ Material reduction

+ Accelerating R&D

+ Adding value and reducing risk

Phase

2

DATA FOR UPSCALING

- Integral to achieving sustainability
- Risk management for large commercial arrays
- Security and reliability
- Contributing to LCOE
- Adding value and reducing risk

Strainstall

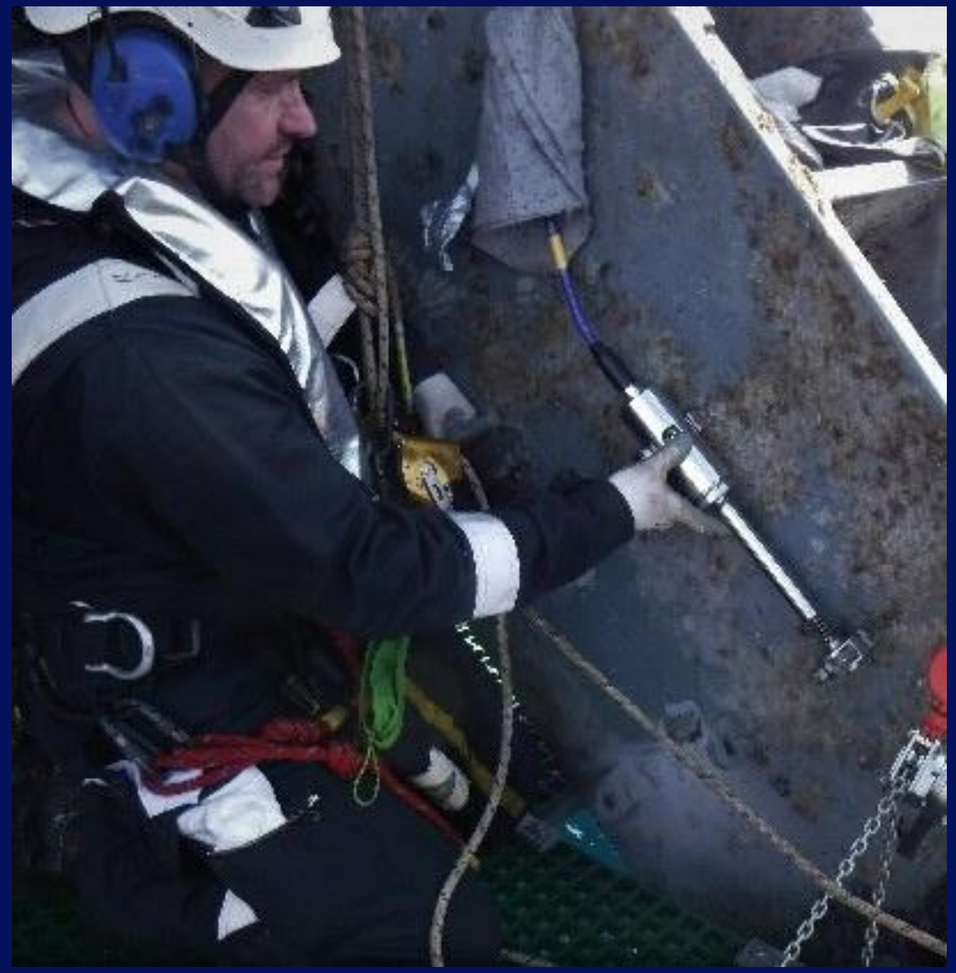
Phase

3

DIGITALISATION

- Data analytics for predictive maintenance, enabling asset life extension opportunities
- Improves asset cost-efficiency
- Enables the remote management of platforms and partners
- Drives continuous improvement initiatives

Strainstall



STRAIN RINGS IN ACTION

CONCLUSION

Strainstall

- Proven in O&G, our technology has been deployed in a number of the world's leading floating offshore wind projects
- Our asset monitoring solutions support the sustainable upscaling of arrays as the industry develops
- This technology can also help to unlock the safety and cost-efficiency benefits of digitalisation

Projects that we've supported:

- Hywind Scotland
- Kincardine (KOWL)
- Saitec Floating Wind
- TetraSpar

Strainstall

THANK YOU

Want to know more? Get in touch using the details below:

E: michael.hook@strainstall.com

T: +44 (0) 1983 203600

Download our white paper here.