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Safety 4.0

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30 years on



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Remove people from hazard



Increase automation



More data analytics

Technology can transform safety performance

Key technologies



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Artificial intelligence



Robotics

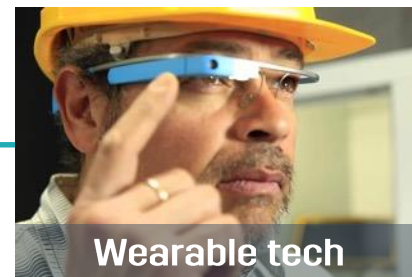
Safety performance



Smart facilities



Data analytics



Wearable tech

Virtually limitless applications and solutions

Asset integrity

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7 non-intrusive inspection field trials



80% fewer confined space entries



£242m savings per year

Creating a safer working environment

Digital worker

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Intrinsically safe wearables



20% fewer accidents for field engineers



15% productivity improvement

Monitoring health of assets and people

Rig floor automation

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Reduced manual handling



Manage the rig and well bore



Closed loop drilling systems

Transforming drilling performance on the UKCS

Facilities of the future

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Limited manning reduces risks

£

Estimated 50% reduction in OPEX

£

Estimated 35% reduction in CAPEX

Remote operations removing people from hazards

Huge opportunity

- Technology transformation
- Driving improved safety
- Better operating performance

... it's a virtuous circle