



**FUTURE
OIL &
GAS**

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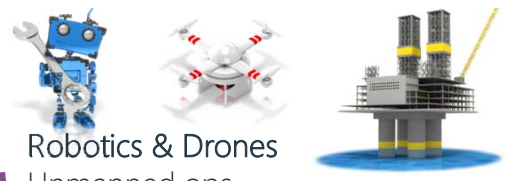
Opening Remarks

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Each solution driven by a clear value proposition

Cloud Data
"Single source of truth"



Robotics & Drones
Unmanned ops.
Inspection

BLOCKCHAIN
Verifiable Digital Transactions

Platform or Point Solutions



Sensors Data Connectivity

Data Analytics & Cognitive Systems
Knowledge

- Dashboards
- Predictive Analytics & ML
- E&P Optimisation

Digitalisation

Connected Devices
Remote working
• Tablets, handhelds, RFIDs
• Track equipment / people
• Biometrics
↑safety+efficiency, ↓cost+time



Cybersecurity



Digital Twins
Design, Simulation,
IM, Planning,
Documentation



Digitally Enabled Workflows



VR/AR
Simulation & Training
for Maintenance,
Operations, decom. etc

Introduction: Disruptive Change

- Disruptive change, enabled by the combination of
 - Technical advances in wider industry
 - Financial necessity
 - seeking enhanced value, as companies
 - Seeking optimised and efficient hydrocarbon extraction and production
- Change has already begun
 - Oil and Gas stakeholders have already begun to innovate in the way we're working
 - Evidenced at this conference

