

Digitalisation

Asset Integrity – Lost In Data Management A Story of Improvement through Digitalisation Darren Stoker, Chief Technical Officer

RSRUK Asset Integrity – Sense of Scale



- 411 Years old
- > 15,111 Planned Inspection
- > 212,959 tons Steel weight in platform construction
- > 52,423 Registered T/S Pipe Spools
- > 2,651,189 Inspection T/S test point locations
- > 280 Pipelines at a total length of 2085km

Thurso to Southampton and back





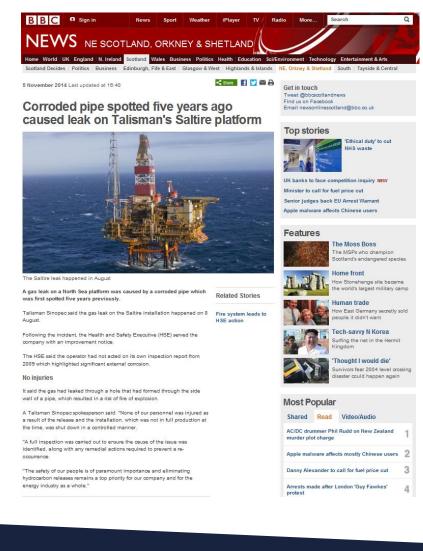
LOST IN DATA MANAGEMENT





Gas Failure – Lost In Data





5th November 2014

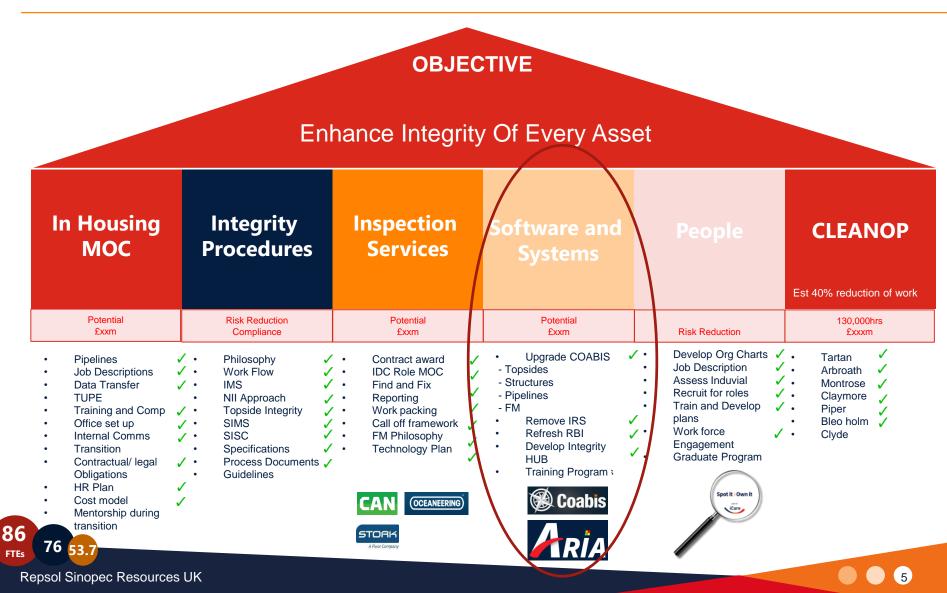


Investigation Findings:

- Lengthy Paper Workpack Documents
- Duplication of Inspection Review 220 work documents in IRS for one line, all reviewed by the OIE offshore and onshore – <u>Anomaly lost in</u> <u>data</u>
- Significant time lag before defect found and assessment <u>Overall</u> integrity cycle can take 3 months to complete

Transformation Overview – 6 Pillar Plan





New Asset Integrity Cycle





COABIS Upgrade Project (4 month Project)

- Results now directly input into COABIS on site during the inspection (No Paper)
- Removes 4 layers of duplication in assessment
- Development of a component based anomaly management system
- Anomalies raised and passed onshore for assessment in minutes, rather than days
- All Workpacks are now created electronically within COABIS and are live digital documents – <u>reduces 4 steps into 1</u>
- Inspection cycle time has been reduced from months to days
- Critical defects no longer lost in data

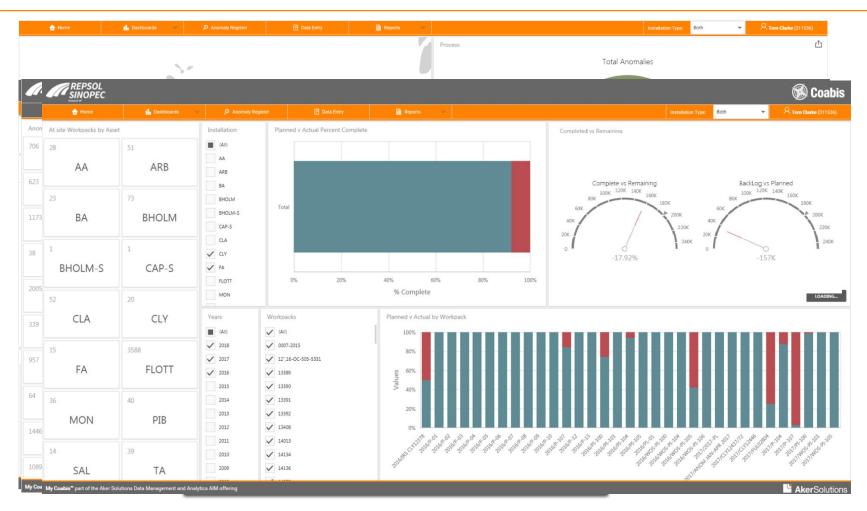
New Integrity Management Cycle





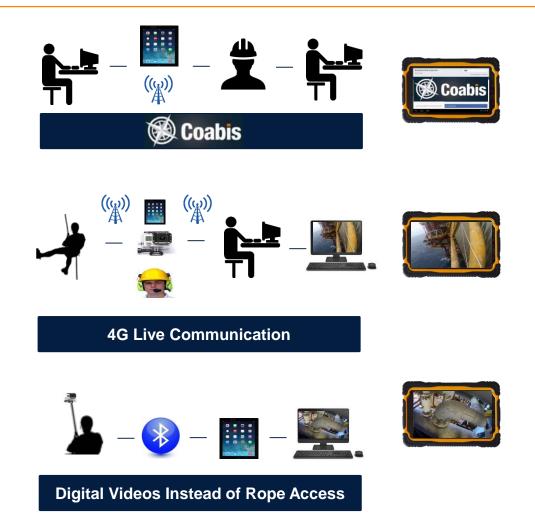


COABIS - Leading the way in Asset Integrity Analytics



REPSOL SINOPEC

Digital Transformation Activities



Integrated Operations Centres



