



Bringing a New Dimension to Pipeline Pigging David Aitken



Introduction

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DEVELOPING AND DELIVERING RELIABLE CHEMICAL SOLUTIONS TO SOLVE COMPLEX CHALLENGES



- WHO WE ARE
- PRODUCTS
- GLOBAL LOCATIONS
- FACILITIES
- TECHNICAL SUPPORT
- STRATEGY





<u>aub</u>In



- De-Oiling
- De-Watering
- Corrosion Protection
- Separation

De-Oiling Offshore Platform to Land Middle East

- Pipeline change of purpose from oil export to fire fighting water storage
- 2 off 10" pipeline 4.2km
- 1 off 16" pipeline 1.5km
- Pipeline contained high viscosity fuel oil
- Gel 33 used







De-Oiling Offshore Platform to Land Middle East

- Gel blended onsite
- 344m³ oil recovered
- Oil free after 1 run

Jumper Protection

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MEG Gel – Seawater ingress Protection – De-gassing of jumpers

8" Jumper 3" Jumper

High viscosity slug at each end, standard viscosity in middle







- Reduce in diameter by 50%
- Return to size
- Negotiate bends 1.5D
- Driven hydraulically or pneumatically













Pipeline Dewatering



10" 3Km subsea pipelineNo launcher or receiverWater and glycol based gels along with EVO-Pig





- Flange plate suspected lost in pipeline
- Conventional pig impossible to use
- No launch receiving facility







Wax Dissolver Job

- Wax build up in 10" 30Km pipeline
- Connected via 2 off risers 1 off 8" and 1 off 10"
- EVO-Pig used as separator with wax dissolver
- Pigs to stop every 500m to allow dissolver to soak

Wax Dissolver Job







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