



PulseEight™ Secure

SUCCESS STORY

Back online after 550 Days: 110km remote control revival of unmanned satellite platform.

North Sea

4.3

MMSCF/D

600+

DAYS
CONTINUOUS
OPERATION

3

DAY ROI

PulseEight Secure is a wireless, retrofit solution that restores flow in wells with failed DHSV, featuring built-in intelligence to autonomously detect critical downhole safety events and immediately secure the well, while still allowing full on-demand open/close control and continuous integrity reporting.

THE CHALLENGE

Production was lost from March 2022 to September 2023 due to a failed control line. Multiple repair attempts failed. High solids production, low pressure, and an unmanned setup made complicated operations. No DHSV solution or safe production method resulted in ~550 days of downtime.



THE SOLUTION

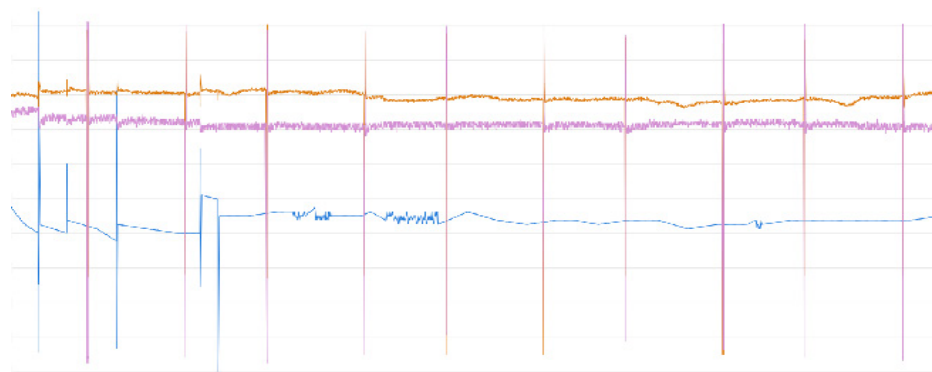
PulseEight Secure was deployed via slickline in a single run, restoring DHSV sustainably without pulling tubing - offering a non-intrusive alternative to workovers. Installed in under an hour, it enabled immediate full remote control from the onshore control room 110km away. Vitality Pulse transmission allows daily integrity checks, battery monitoring and data collection. Integration with the control room software enhances automation and situational awareness, delivering new levels of operational visibility and control not previously achievable.

THE RESULT

Production was safely and reliably restored, delivering 600+ days of issue-free operation. Operators gained unprecedented daily visibility into valve integrity, battery condition, and solids buildup, improving confidence in long term performance. The PulseEight Secure met all needs for a robust, low-risk solution, while laying the groundwork for full control room software integration and smarter field management.



Command sent from onshore control room 110km away



Production Rate Wellhead Pressure PWV Choke Position

Vitality Pulses

WELL DATA

- Location: North Sea
- Well Type: Gas Producer
- Tubing size: 5 1/2"
- Well Temp: 140°F
- Deployment Year: 2023
- Production Rate: 4.3mmcf/d