

OFFSHORE / DEEPWATER PRODUCTION

OVERVIEW



With return on investment at the top of clients' minds, the value of integrated production optimization solutions in cost-intensive offshore and deepwater assets has never been greater. Weatherford continues to be at the forefront of developing and enhancing such solutions, providing everything from artificial-lift design and facilities optimization to real-time integrated asset management and associated consulting services.

CHALLENGES

REDUCE COST PER BARREL

Lowering operating cost using production optimization to increase efficiency and reliability

MINIMIZE UNPLANNED PRODUCTION DISRUPTION

Adopting integrated asset models for proactive asset management to reduce downtime and OPEX

MANAGE SOLIDS PRODUCTION (FLOW ASSURANCE)

Integrating real-time monitoring of wells and production facilities

ADDRESS HIGH PRESSURES & TEMPERATURES

Deploying sensors and artificial-lift systems rated for extreme conditions

PRODUCTION INTEGRATED APPROACH

In offshore and deepwater assets, a reliable, integrated production model requires high-quality data acquired directly from the seabed and reservoir. This includes water-production information – provided by the award-winning Red Eye® subsea water-cut meter – which can help operators refine their subsea water management strategy and significantly lower operating costs. Downhole pressure and temperature information from the OmniWell® reservoir monitoring product suite further closes the knowledge gaps.



TECHNOLOGIES

Technology is at the heart of our approach to meeting clients' needs. We constantly update and refine our technologies to solve new challenges encountered in the field.



ULTRALIFT™ DEEPWATER GAS-LIFT SYSTEM

By combining a new high-reliability valve designed to handle extreme pressures with our proven DVX™ mandrel, the UltraLift deepwater gas-lift system enables gas injection deeper in the well. The system enhances production and completion integrity in ultra-high-pressure lift applications, which minimizes risk and maximizes profitability.

<http://www.weatherford.com/en/products-services/production/artificial-lift-systems/gas-lift-systems>



OMNIWELL® PRODUCTION AND RESERVOIR MONITORING SOLUTIONS

OmniWell solutions include a range of proven in-well optical and quartz sensors with diverse real-time measurement capabilities. Data from OmniWell monitoring solutions enables operators to make better reservoir decisions that increase the recovery, profitability, and lifespan of offshore wells. Weatherford has installed more than 15,000 OmniWell sensors around the world.

<http://www.weatherford.com/en/products-services/production/production-and-reservoir-monitoring>



WELLVISTA® DOWNHOLE-DATA VISUALIZATION SOFTWARE

The WellVista software unifies and processes a wide variety of data from various sources in real time. It works exceptionally well in conjunction with OmniWell reservoir-monitoring tools, enabling accurate data acquisition, information management, analysis, and decision making for any type of well.

<http://www.weatherford.com/en/products-services/production/production-and-reservoir-monitoring>



RED EYE® SUBSEA WATER-CUT METER

Designed to operate in harsh environments, the Red Eye subsea water-cut meter provides extremely sensitive onset water detection and tracking for optimal reservoir management and monitors hydrate-inhibitor levels for flow assurance. It is the industry's only water-cut meter that is not affected by free gas and can operate in a full range of multiphase flows.

<http://www.weatherford.com/en/products-services/production/flow-measurement/water-cut-meters>



I-DO® INTELLIGENT DAILY OPERATIONS SOFTWARE

i-DO software provides clients with detailed visibility of current asset production performance and provides intelligent recommendations. With remote access to the latest data and analysis, i-DO software makes it easy to manage full-field optimization and automation for reservoirs, wells, and surface networks.

<http://www.weatherford.com/en/products-services/production/software/real-time-field-optimization-and-operations>

CASE STUDIES

The combination of our industry-leading technologies and our disciplined approach has produced measurable value for our clients.



i-DO® SOFTWARE'S REAL-TIME OPTIMIZATION INTERFACE REDUCES DOWNTIME, INCREASES PRODUCTION

<http://www.weatherford.com/doc/wft157916>



OMNIWELL® PERMANENT DOWNHOLE OPTICAL MONITORING SYSTEM PROVIDES REAL-TIME PRODUCTION MONITORING, OPTIMIZATION, AND DAILY ALLOCATION

<http://www.weatherford.com/doc/wft265480>