Helping the Offshore Wind Industry Achieve Operational Excellence

IBM Maximo Asset Management solutions for offshore wind owners and operators, and Offshore Transmission Operators

BPD ZENITH

Benefits

- Take charge of your asset data
- Base your operation and maintenance strategy on facts rather than instinct
- Make meaningful comparisons across your wind farm portfolio
- Understand the health of your most critical assets
- Optimize your stock holding and remove ad hoc purchasing
- Be fully informed on the performance of your contractors
- Provide the owners the financial reports they ask for today
- Be ready for post warranty
- Sleep easy in the knowledge that your team and business are working to best HSE practice
- Flex the way your teams and contractors work

Maximo for Offshore Wind Overview

The owners and operators of offshore wind farms and Offshore Transmission Operators (OFTOs) recognize the critical importance of an enterprise quality asset and work management system to support the operation and maintenance of offshore wind farms, whether under construction, operational, under warranty or out of warranty.

Maximo for Offshore Wind reflects BPD Zenith's 20 years of offshore asset management experience. With design input from industry experts such as *Generating Better,* BPD Zenith is offering the UK Offshore Wind industry a compelling home-grown solution.

Built from IBM Maximo, the world's leading asset management system for critical operations, Maximo for Offshore Wind has been supported by *GROW:OffshoreWind*.

Functional Overview

Maximo for Offshore Wind provides comprehensive support for asset and work management, supply chain, operations and Health, Safety and Environment on production and non-production assets, including OFTO assets.

Asset Management

- Support for all asset coding systems including RDS PP asset coding
- Full tracking of rotating assets in/out of 'functional locations'
- Support for the certification of safety critical assets
- Commissioning data
- Support for commissioning, snagging and non-conformities
- Management of change
- Integration-ready with condition monitoring systems - set thresholds on assets to trigger an inspection or other intervention

Health, Safety and Environment

- Support for Approved Work Procedure and Safety Documents for both HV and LV assets
- Risk assessments
- Permit to work
- Incident reporting/near hits/investigations/corrective actions
- Environmental consents
- Operational logs
- Regulatory compliance
- Production benefits/production losses
- Hazard management

Resources

- Support for key roles - Authorized Technician, Operational Controller, Planner, Senior Authorized Person etc.
- Role-based 'Start Centres'
- Certifications and competencies
- Normal rates and 'weather stand-down' rates
- Support for internal or third party resources working under contract

Stores and Spares

- Support for end to end supply chain management - Suppliers, contracts, warranties, procurement and spares management
- Bill of materials
- Tools management
- Support for multiple stores including on vessel store rooms
- Support for 'bundle bins' - spares needed for work planned on a specific turbine or boat trip
- Full analysis of spares used both under warranty and post warranty

Warranty

- Track defects against warranty
- Support for warranty claims
- Support for replacement campaigns arising from serial warranty claims
- Traceability of spares used under warranty
- End of warranty inspections
- Warranty extensions

Work History and Analysis

Full analysis and reporting including:

- Mean Time Between Failures (MTBF)
- Status of statutory inspections
- Backlog reports
- Open jobs causing production loss
- 'Forward log' reports
- Jobs 'Closed' but not 'Complete'
- Jobs 'On Hold Awaiting Spares'

Work Management

- Job 'bundling' to maximize production downtime and extract full value from deployment costs
- Support for statutory inspections (e.g. lifts, cranes) performed by internal or external resources
- Support for work on both production and non-production assets
- Workflow engine to support process driven work activities requiring specific steps and procedures (e.g. transfer of control, undertake risk assessment, and HV or LV safety review)
- Record of Jack-up vessel used
- Support for industry-standard failure codes
- Fully integrated with Maximo Scheduler to optimize resources, opportunity and work load
- Support for mobile working - jobs and inspections dispatched to engineers and job done information entered onto mobile devices

About BPD Zenith

BPD Zenith specializes in the delivery of IBM Maximo Asset Management - the world's leading Enterprise Asset Management solution. We provide business transformation, consulting and technical services to enable our customers to maximize the benefits of their software investments.

BPD Zenith's record of delivering Maximo offshore is second to none. For over 20 years, BPD Zenith has delivered Maximo to support the operation and maintenance of offshore assets for the world's leading Oil and Gas operators.

BPD Zenith has been selected to deliver its Maximo for Offshore Wind solution to the world's largest operational wind farm, London Array, to support the subsequent phases of the wind farm's lifecycle. The solution is being delivered via BPD Zenith's cloud-based delivery model, MaxiCloud.

To learn more about how IBM Maximo for Offshore Wind can facilitate your organization's journey toward operational excellence, visit www.bpdzenith.com or contact 0808 1800 360.