



# SeaLytics\* BOP Advisor Software



When a blowout preventer is offline for unplanned service, the cost to the drilling contractor is significant, both in terms of idled crews and missed opportunities. A lengthy downtime event can affect a rig's drilling schedule well beyond the initial system outage. GE's SeaLytics solution enables offshore drilling contractors to move from a "break-fix" maintenance model to a model based on predictive analytics, which are based on actual component performance data. This move improves BOP system uptime, reduces unnecessary maintenance, and leads to better cost forecasting—which in turn provides a greater degree of protection for offshore crews and the environment.

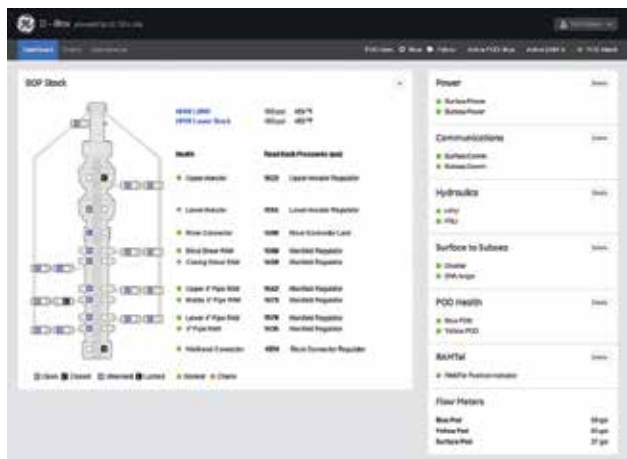
Our SeaLytics system enables communication of key maintenance data, recommendations and alerts to operations leaders onshore or with drilling teams on other vessels. The SeaLytics platform enables actual component performance data to be used to create predictive rules that can be added in future releases to all installations.

## Benefits

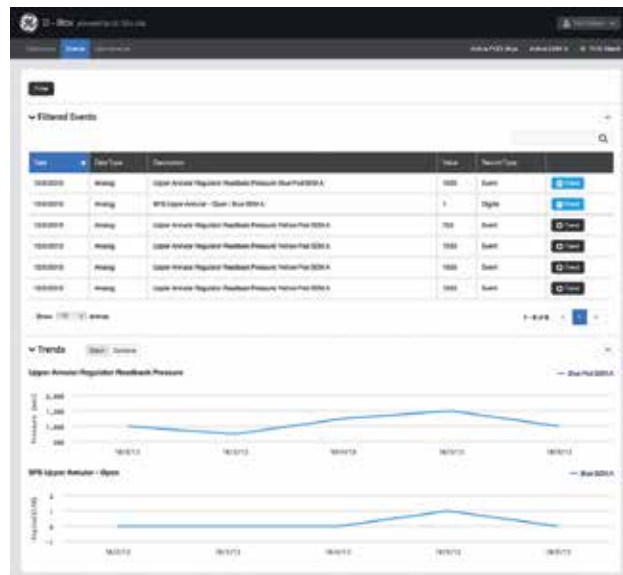
- Provides information to onshore engineers for better decision making.
- Reduces nonproductive time by providing remote visibility into health of BOP stack.
- Reduces downtime associated with accessing and trending BOP data.
- Optimizes maintenance and reduces unnecessary parts replacements.
- Provides context to data for faster decision making.
- Converts existing data into actionable advice.

## SeaLytics Dashboard Features

- Remote access to the electronic snapshot of BOP and subsystem health.
- Graphical representation of BOP stack actions—including open, closed, unlocked, locked, normal or check conditions for annular, riser connector, RAMs and wellhead connectors.
- Provides read back pressures for annular, riser, manifold regulators and stack connector regulator.
- Provides POD View (blue/yellow), Active POD (blue/yellow) and SEM (A/B) visibility.



Dashboard

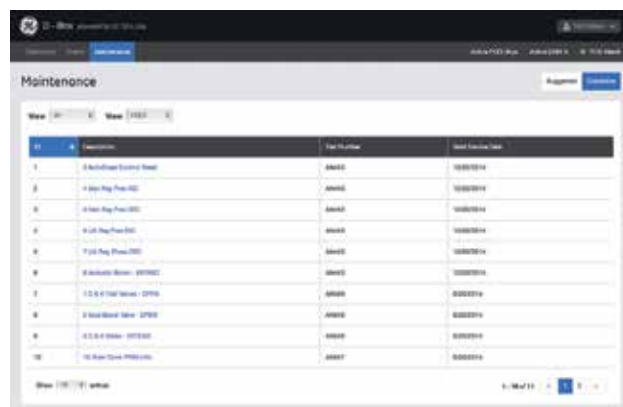


Events

## Events

The Events Module enables drilling contractors to search data for specific event results, trend an event, or view multiple trends for troubleshooting. Event filter modules include:

- Time (start time and end time of the event or alarm)
- Type (event or alarm)
- POD (blue or yellow)
- SEM (A or B)
- Analog/Digital
- Pressure, Temperature, Voltage, Angle, Open Closed

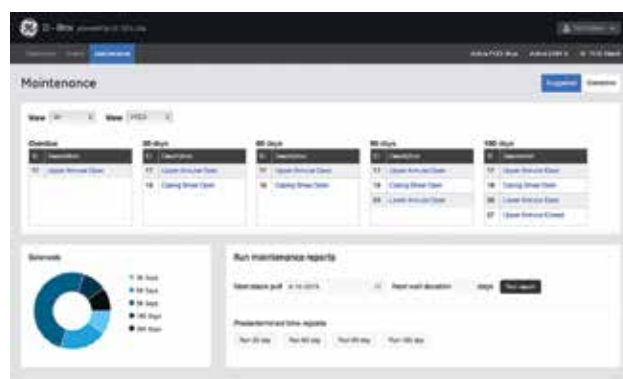


Maintenance

## Maintenance

The Maintenance Module provides suggested and corrective replacement actions for major BOP stack components, including:

- Filtering capabilities of the major components
- Input and store of corrective maintenance
- Dashboard of overdue components and timeline for replacement
- Report generation of components that need replacement



Maintenance

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