Predict Ahead of the Bit

Engineered to help you predict ahead of the bit, our Real-Time Drilling Analytics suite enables you to continuously optimize your operations by defining invisible lost time while reducing non-productive time. This forward-thinking suite of products allows you to apply continuous improvement cycles in real-time to address a wide variety of drilling challenges.

Customized to adapt to your workflows, and your needs

Petrolink's customized solutions are adaptable to different workflows, regions and applications, giving drillers the specific solution they require for the job. And by challenging existing best practices and best solutions, our Real-Time Drilling Analytics suite goes further to help you create the optimal well, more productively.
Real-Time Drilling Analytics

- **Torque and Drag Modeling and Analysis**
  - Create and evaluate torque and drag models vs actual real-time data points
  - Calculate model hookload and surface torque and then compare it to actual field data in real-time
  - Perform sensitivity analysis
  - Analyze forces downhole
  - No waiting for offline data and analysis

- **Hydraulics Analytics**
  - Ensure effective hole cleaning
  - Trip within safe speeds
  - Use maximum hydraulic power at the bit

- **ROP Optimization**
  - Drill faster, safer and more efficiently with our ROP tool.
  - Optimize Progress (ROP-Time-safer parameters)
  - Track “Drilling Risks”
  - Correlate in real-time (live and historical)
  - Use lessons learned and best practices in real-time
  - Plan for better string components

- **Dynamic Alerts and Predictive Events**
  - **Dynamic Alerts**
    - Alerts for real-time conditions
  - **Predictive events**
    - Know when you’re about to deviate from the model and take preventive action
  - **MBE (Manage by Exception)**
    - Intelligent alerting platform - Define an exception and interact with it in real-time

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**Torque and Drag Widget**

**Hole Cleaning Display**

**Swab and Surge**

**Drilling Hydraulics Display**

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**ROP Tool**

**Alerts & Prediction Display**