PetroVue™ DrillACT™
Real-Time Engineering

A marketplace of apps that solve a range of engineering problems, PetroVue DrillACT helps you to optimize drilling efficiency and accuracy while avoiding potential hazards.

Major operators all over the globe depend on engineering solutions to monitor drilling around the clock. Our tools are unique, with results calculated automatically using smart algorithms and machine learning techniques. When combined with comprehensive drilling engineering principles you have a powerful new way to drill your well safely and efficiently.

With DrillACT waiting ages for feature requests is over. We understand that you know your drilling and geoscience workflows better than anyone. That is why the platform gives you the power to create your own apps.

Torque & Drag
The Torque & Drag app allows you to compare calculated Realtime trends against model data to identify potential obstacles during various operations. By watching the trends you can identify hole problems before they happen!

Flowback Fingerprinting
The Flowback Fingerprinting app monitors returning fluids to losses or gains. It compares and correlates the fluid flow against the norm so you can identify potential risks and avoid issues before they become costly problems.

Driller's Blueprint
The Driller's Blueprint app gives you the data insights you need to stay on plan and in the pay-zone. Designed to maximize ROP, it provides parameter scoring so you always know how accurately you are drilling. It also adjusts the plan in real-time to help you get back on track and achieve a high rate of penetration safely.

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DrillACT is modular, meaning you can break free of vendor lock-ins and only pay for the apps you use.

Swab and Surge

Inadequate estimates of swab and surge pressures can derail even the best-laid drilling plans. Costly problems such as lost circulation, fluid influx, or breakdown of the formation can often go unnoticed and spiral out of control. DrillACT's Swab and Surge app analyzes complex downhole hydraulics for the full range of drill string movements. Make calculation guesswork a thing of the past and put your drilling team back in the driving seat.

KPI Analysis

Our KPI Analysis app allows for an efficiency engineer to combine metadata, plan data and real-time data together and then allow the system to generate elapse time and event counts. This enables analysis of efficiency comparisons. This information is accessed through our KPI web APIs for analysis by existing tools that you already use in your organization.

Hydraulics

Hydraulics management plays a key role during drilling operations as careful monitoring can accelerate the drilling performance and lower the overall well cost.

DrillACT's Hydraulic app generates robust hydraulic models for Pressure and ECD using real-time data which can be compared with sensor values to aid interpretation.

Hole Cleaning

DrillACT's Hole Cleaning app allows you to bring different mud pits, active tanks and cement unit data online. If monitoring priorities change between sections; no problem DrillACT has you covered.

With an intuitive user interface, you can easily customize displays and share them across international assets.

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Gas Monitor

DrillACT's Automated Gas Monitor app identifies gas peaks and classifies them as formation, pipe-connection, pump off or trip gas. This not only saves your crew precious time when preparing morning reports but when combined with real-time gas ratio analysis you are equipped with a powerful suite of tools to identify productive zones while executing safe drilling of the well.

Directional Guidance

Holding the line to within a few degrees and hitting the pay zone at the right angle is tough. Often a directional driller mentally interprets hole deviation and then concludes deviation. Our solution takes directional steering to a new level. It not only calculates key parameters- deviation, motor yield and tortuosity but is also provides on-the-fly directional control performance.

Automated Trip Sheet (ATA)

Careful monitoring tripping is one of the most critical aspects of well construction. Our app analyzes flow back data during tripping and tracks gains or losses which give early indications of potential problems. It is about time you move your drilling crew away from error-prone spreadsheets to a smarter way of working.

These apps are just the start. Don't see what you need? Our team will work with you on custom development. Contact Petrolink today for a quote or demo.

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