DrillBest – Adrilltech’s benchmarking and analytics optimisation service provides a powerful solution to collate and integrate realtime and reported data, set and monitor appropriate performance metrics, and so highlight areas of potential improvement. DrillBest delivers tailormade reports and advice, identifying root causes of non-productive and invisible lost time (NPT and ILT) and Client to optimize project costs.

**Benefits**
- All measured and reported data integrated in a single, quarriable platform for data mining thus allowing immediate improvements in drilling efficiency to be made.
- Powerful, flexible and scalable analytics and reports, both standard and user-defined to ensure that the most value to the user is gained to save thousands of dollars every day.
- Highlight all areas of improvements to objectively calculate Lost Time and save rig time to reach TD as planned.
- Create digital twins to combine the best micro-KPIs (key performance indicators) of previous wells, planning and delivering the ideal well.
- Benchmark rig activity against standard KPIs and Statistical Technical Limit (STL) to improve the efficiency of the rig and drill wells faster.
- Benchmark well construction against standard efficiency criteria lowering well costs to the lowest technically achievable.

**Challenges and Solutions**
- Software consolidates all available data and information, including categorization of ‘flat time’, into accurate contextual time breakdown.
- Ability to run detailed analytics to identify performance inefficiencies, benchmark against KPIs, providing review and improvement.
- Allows the operator to drive continuous improvement towards achievable Statistical Technical Limits (STLs).
- Service can be provided remotely and/or at the rig site to suit the client.

**Applications**
DrillBest is not a simple one-step, one-off performance review exercise, nor is it pushing towards a hypothetical goal. DrillBest approach allows continuous improvement towards a real, achievable technical limit for the actual well under review.

**TRADITIONAL FOCUS**
- **PRODUCTIVE TIME**
- **NPT** Any interruption of planned operation, resulting in time delay

**NEW FOCUS**
- **STATISTICAL TECHNICAL LIMIT**
- **ILT** Difference between actual operational duration and technical limit
- **NPT**

DrillBest analyses all available data in context in order to identify and eliminate previously-unnoticed ILT.
Customer requested a detailed analysis of the WOB to WOB time in order to identify and quantify the amount of time spent on each operation. After careful evaluation of the data, the well program was revised. The revised program drastically reduced the reaming and back reaming time. This resulted in the average time for a connection to be reduced from 39 min/conn to 19 min/conn. For the whole 12 ¼" phase 36 hours of rig time was saved on a Drillship.