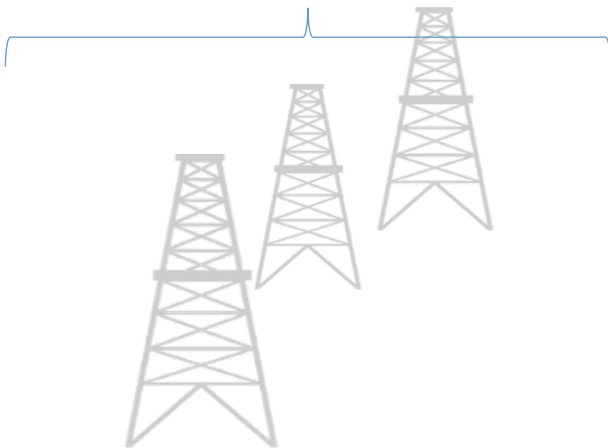




Data- Driven Drilling Optimization



OPERATIONAL EXCELLENCE

Customer Alignment



- Values
- Objectives
- Project Assessment
- Needs
- Requirements

Planning & Resources



- Right People
- Right Tools
- Right Certifications
- Competency Assurance

Operational Discipline



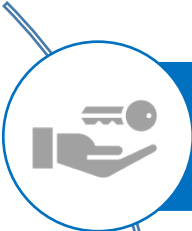


- Procedural Compliance
- Quality & HSE Focus
- Teamwork
- Accountability
- Empowerment

Continual Improvement



- KPIs
- Assessment
- Review
- Improvement Plans
- Knowledge Transfer

Driving efficiency through industry collaboration on automation, data collection

Approach	Benefits	Challenges
<div><div>Data Collection</div><div>↓</div><div>Data Quality</div><div>↓</div><div>Data Storage</div><div>↓</div><div>Analytics</div><div>↓</div><div>Visualization</div><div>↓</div><div>Data Reporting</div><div>↓</div><div>Data Driven Decisions</div></div>	<div><div>Real-Time Drilling KPI's</div><div>Daily KPI Reports (Interactive)</div><div>Visualization tool for Analysis</div><div>End of Well Report</div><div>Interactive Days vs. Depth Curve</div><div>Semi-auto populated DMR/DDR+</div><div>Internal Data Management</div><div>Data Independence</div></div>	<div><div> Data Access</div><div> Sensor Calibration</div><div> Cybersecurity</div></div>