NEXT SHALE 2017

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Navigating the Future of Unconventional Resources

ENABLING SHALE OPERATIONS THROUGH MOBILITY AND ANALYTICS

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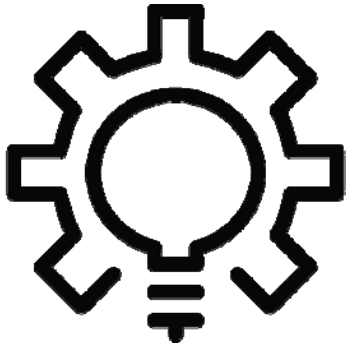
Shale Operations: Different?



Manufacturing Mode

Consistent/
Repeatable Process

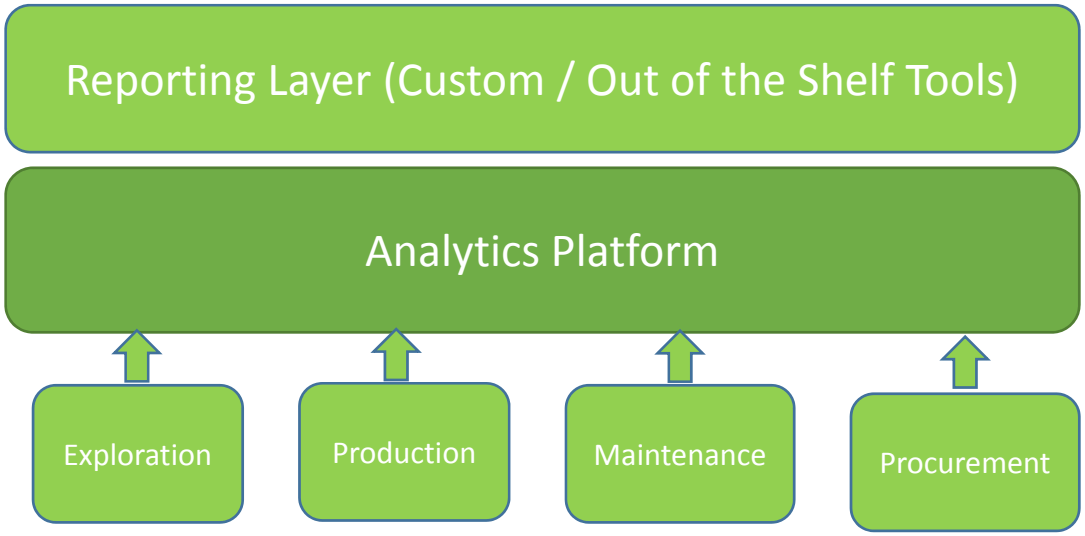
Operating Efficiency is
the key

Drivers for the Industry: Operations are key

1. **Time to First Oil**
2. **Employee Productivity**
3. **Procurement Costs**
4. **Time to scale up Production**
5. **Equipment Utilization**
6. **Safety & Compliance**

Analytics provide a singular view of the field/ asset for accurate decisions

Data Discovery



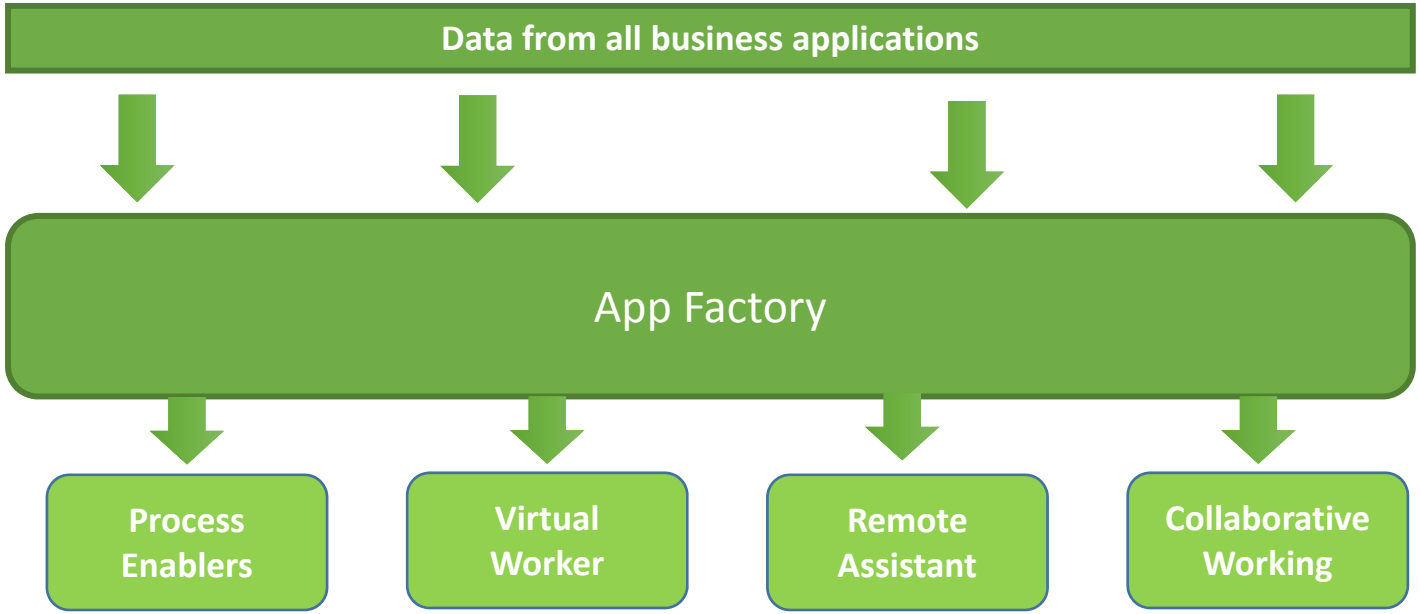
- Prospect Evaluation
- Reserves Valuation
- Reservoir Distribution
- Fluid Property Distribution

- Production Planning
- Production Forecasting
- Workover Planning
- Artificial Lift Planning
- Frac Planning
- Partner/ compliance Reports
- Loss Management

- Maintenance Scheduling
- Equipment Failure- Predictive
- Minimize Downtime
- Regular Compliance Reporting
- Risk Analytics

- Profitability Analysis
- Fraud Analytics
- Spend Analytics
- Inventory Management
- Enhanced Visibility
- Procurement Forecasting

Mobility: The other enabler



- Run Ticket Recording
- Tank Inspection Reports

- Remote Viewing
- Mobile Operations Monitoring

- Expert Advisory for Maintenance
- Experts for Regular Inspection

- Virtual Team Discussions for Field Operations
- Collaborative Planning of Maintenance Turnarounds

Thanks