Optimize the value of big data for the upstream oil and gas industry

Achieve more efficient data integration and workflows—and more actionable insights
Exploration and production companies have begun to focus on creating more value from big data.

But, compared to other industries that have already successfully leveraged big data, such as the financial, digital media, and healthcare sectors, the oil and gas industry is much less mature.

Managing the E&P lifecycle requires managing multiple disciplines—exploration and appraisal, reservoir, well construction, production, and portfolio decision making. Each discipline is significantly complex and equivalent to an industry vertical by itself. The available niche solutions for managing data in these disciplines are generic and require substantial customization for oil and gas applications, resulting in cost overruns, ineffective use of technology, and unwanted complexity.

To successfully leverage big data, the industry needs a comprehensive solution that provides:

- More efficient processes and workflows across the E&P lifecycle
- A higher degree of ‘real-time’ actionable insights
- A consolidation of data, rather than data silos, data lakes and remote data stores

For more about managing big data for upstream oil and gas, download the white paper, *What It Takes to Leverage E&P Big Data*
Halliburton Landmark has built and deployed the DecisionSpace® Platform to integrate E&P applications and databases, so companies can use their data to generate more accurate insights into their business, when they need them most. The DecisionSpace® Platform delivers:

**Simplification** of the underlying technology infrastructure to address the needs of the complete E&P lifecycle, including scientific and business workflows and related analytics

**Management** of data silos, data lakes and data stores via a single view, eliminating the need to move massive amounts of information from the field to the back office

**Agility** of combining logs from multiple sources and addressing contextual data quality, increasing the time to value from E&P big data

**Reduction** in costs and risks of managing data, delivering better data security and more reliable insights

**Scale** to transform, store, analyze, and visualize significantly more data while giving users access from anywhere

Need customized mobile applications? Download the white paper, *Solving E&P Mobility needs with DecisionSpace® Mobility SDK*
The DecisionSpace® Platform addresses the unique challenges of managing big data for upstream oil and gas, enabling you to:

- **See** all data in one place with a configurable web-enabled view of dynamically updated data from any data source
- **Access** a single instance of all data in context instead of individual development kits
- **Find** relevant information faster with domain-specific search capabilities across master data, project data, and applications
- **Collaborate** across geographies, domains, apps and data sources with a flexible Business Process Management (BPM) component
- **Transfer** data between connected databases with support for rules for merging data, coordinate reference system, unit conversion, and more
- **Automate** data loading and QC, upload and track data from a central site into Landmark database
- **Analyze**, visualize, compare, monitor, and predict with an open, industry leading analytics engine

For more information about the Landmark DecisionSpace® Platform, contact us