

ANALYTICS TO EXTRACT INSIGHT

Big Data Reserves

Volume

3D seismic data sets, surface monitors, drill measurements, weather, market prices, etc.

Real-time streaming data SCADA systems, drill heads, flow & condition sensors, etc.

Variety

Structured, unstructured, semistructured (processed) data.







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"Increased growth in the volume, variety and velocity of technical data, and a larger role for unconventional resources like shale gas and tight oil will drive oil & gas companies to focus their IT investments on data management and analytics, as well as mobility." - Jill Feblowitz, Vice President, IDC Energy Insights.

The Need for Analytics

2012 Canadian study of Oil & Gas businesses with revenue of \$100 million+ that regularly use analytics to inform their decision making:



of respondents identified Operations as one of the top three analytic users



use offline tools such as spreadsheets



have continuous

real-time monitoring & analysis



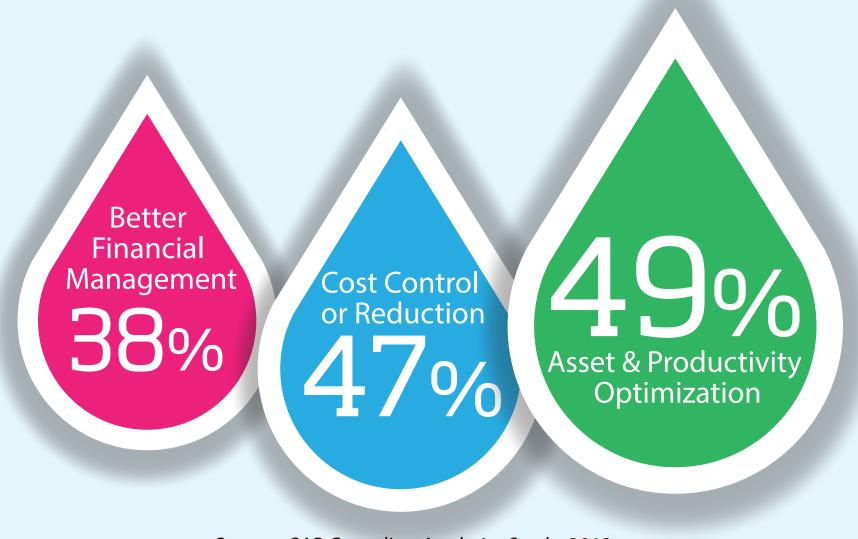
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have implemented analytics on tablets and smartphones

Source: SAP Canadian Analytics Study, 2012

Extracting Value

What are the three most critical objectives your organization looks to achieve through the use of business intelligence and analytics?



Source: SAP Canadian Analytics Study, 2012

"To be globally competitive, the Oil and Gas sector needs to focus on deriving value from operational data with analytics supported by online tools, real-time data streams, mobile deployments" -Nigel Wallis, Research Director, IDC Canada

