



# Qlik for Supply Chain Oil & Gas Industry

## Improving Supply Chain Planning, Performance, Efficiency and Risk & Resilience

“**Uncertainty** has long been supply chain’s enemy. Business leaders hoping to succeed in this new era must learn to make it a friend. **Agility is the answer**”. SCM World report – “The Chief Supply Office Report 2014”

### Challenge

The Oil & Gas industry has a particularly complex supply chain arrangement, with many organizations involved in joint ventures, shared risk, reward and capital funding arrangements.



However, managing this complex supply chain can be challenging when the volatile oil price tumbles as we have seen a number of times:

- 1986 saw a 72% drop
- 2008 saw a 76% drop
- 2014 saw a 59% drop

The complex Oil & Gas industry supply chain structures can often present additional challenges over and above the volatile market conditions, hindering organizational adaptability. The most agile organizations will likely be better equipped to maximize the opportunity such challenges present.

### Solution

Qlik and our partner community have built a number of Applications to demonstrate potential supply chain agility. *Qlik Supply Chain for the Oil & Gas Industry* applications empower individuals and groups to make faster and better informed decisions by allowing them to:

- Access timely, accurate and consistent data from multiple sources to understand and manage performance;
- Visualize how the total supply chain cost and efficiency to better understand the scope for performance improvement and cost optimization;
- Simulate the effects of changes using intuitive what-if predictive scenarios;
- Analyze maintenance, repairs and outages being worked on by various suppliers / resources to improve performance and efficiency;
- Monitor any health, safety and environmental incidents and associate with work orders within the supply chain to improve risk and resilience.

### Benefits

- Improve planning of repairs or maintenance through greater visibility of supply chain resources, allowing better scheduling, reducing outages.
- Improve operational performance and efficiency through a full 360 degree view of both resources (skills, schedules, availability) and key assets (current location & operating condition, work order status, reliability, uptime, downtime and Mean Time To Failure [MTTF]).
- Reduce risk and improve resilience through better visibility of health, safety and environmental incidents and effective mitigation by supply chain collaboration.
- A single common App can be used to analyze a wide variety of supply chain parameters dispersed globally by any user creating a single version of the truth.
- The App can be updated automatically intra-day, releasing valuable departmental time for in depth analysis, rather than assembling reports.
- Typical return on initial investment can be achieved within 3 months.

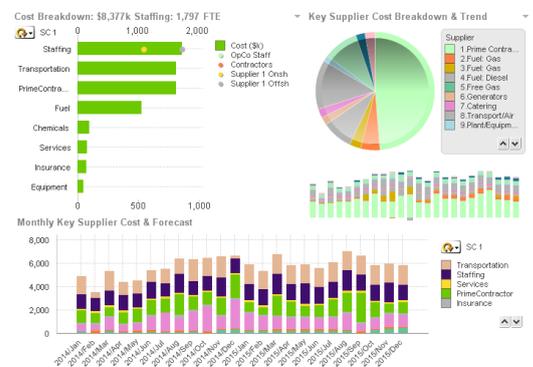
### About Qlik

Qlik provides a leading Data Discovery platform, delivering true self-service BI that empowers the business user by driving innovative decision-making. Contact your Qlik representative to schedule a discussion and live demonstration related to this solution area.

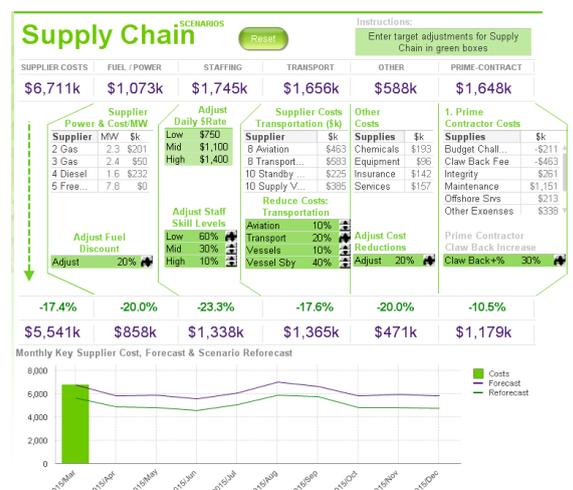
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### Example:

Our consultants will work with you to pull all of your supply chain data together across the full hierarchy of Assets, Engineering staff and costs, to create a data discovery application allowing users to visualize the full inventory of Assets and their operation and supply chain.



The resulting Qlik App would allow users to select from a range of dimensions which can be readily configured to suit your asset and cost accounting structures. Our consultants would then work with you to develop a range of supply chain management views spanning planning, performance, efficiency and risk & resilience. We could also develop a supply chain predictive what-if cost scenario similar to that shown below to improve forecasting and planning agility within your supply chain:



### Other Examples:

Other example applications within the Qlik Supply Chain for the oil & Gas Industry suite include: Workforce Planning; Asset Integrity Management (Maintenance, Repairs & Outages); Health, Safety and Environmental Incident Management.