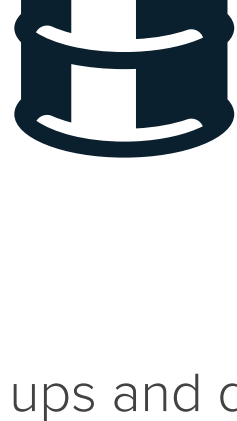


Don't Let Market Swings Keep Your Oil & Gas Operations



The ups and downs of the oil & gas market are inevitable, but investing in areas that drive operational efficiencies will always yield strong returns, even in downturns – and compounded returns in future uptimes.

It's Time to Focus on What You CAN Control

Your **network infrastructure** is a critical starting point. The right networking solution will empower you with new levels of insight to:

1

Maximize Equipment Uptime

Move from **Reactive**

to...

Predictive

Today, operators often lack real-time visibility into remote asset status. Downtime is a big concern, with **nonproductive drilling time costs equating to about**

Connecting command centers to remote equipment monitoring data in real-time via networking enables them to **implement a predictive maintenance model, which can**



1/3 of an operation's average annual drilling budget

Reduce Breakdowns by 70%

Reduce Maintenance Costs by 30%

2

Enhance Production Efficiency

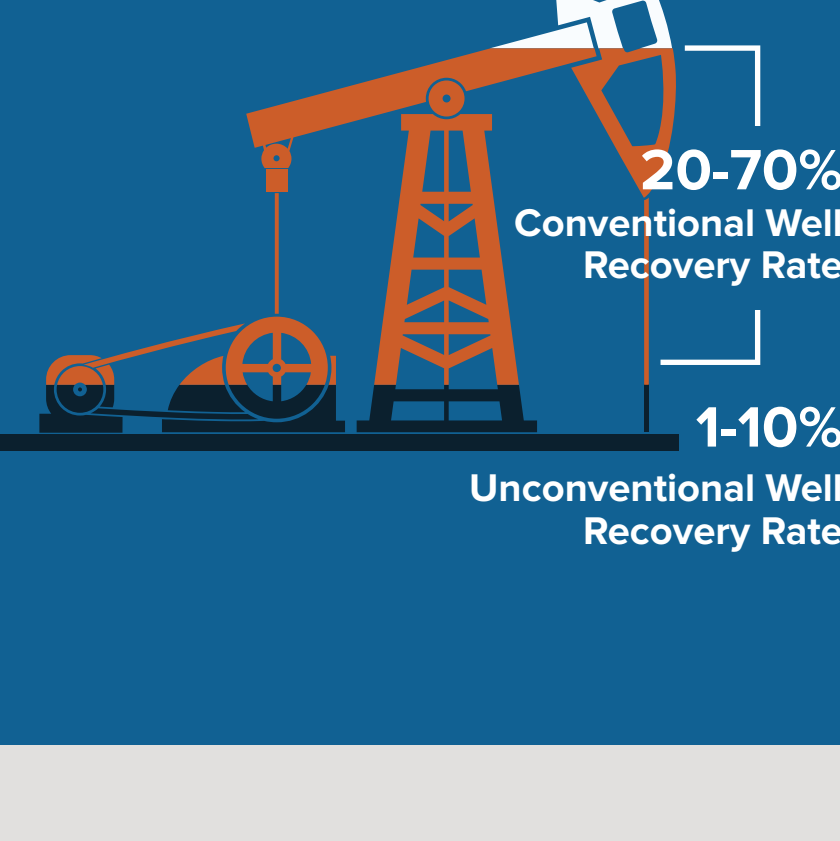
Move from **Manual**

to...

Automated

Today, operators rely largely on manual processes to optimize production. **These methods vary in efficiency**, which can lead to widely varied recovery rates.

Networks with high-bandwidth capacity can support automation applications to greatly improve production efficiency – and an **increase in production of just 10% can yield as much as**



\$220-\$260M bottom-line impact on a single brownfield asset



3

Ensure Personnel Safety

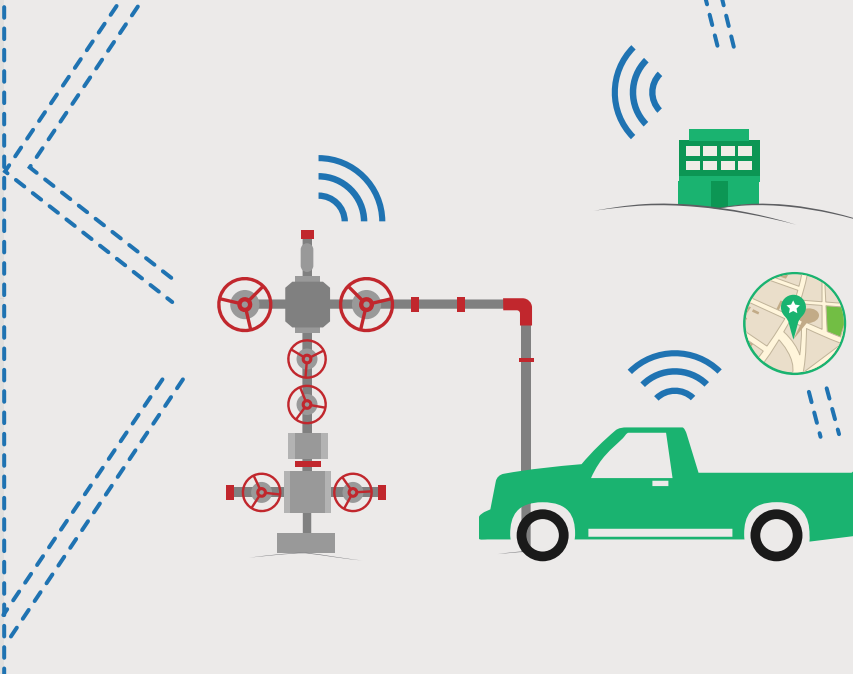
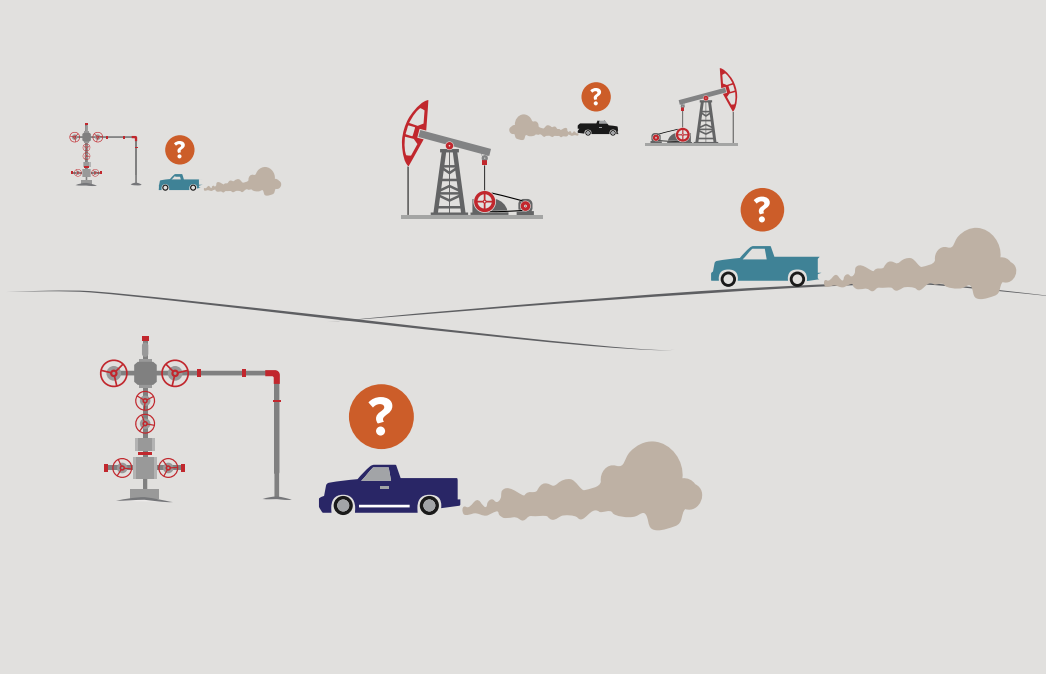
Move from **No Visibility**

to...

Full Visibility

Today, safety is a non-negotiable imperative. NIOSH identifies **traveling between well sites as a key area of safety concern** for extraction workers, since command centers can't track their status.

Real-time monitoring of techs in the field, enabled by robust network mobility, can mitigate safety risks and speed safety response times across widely dispersed remote operations.



4

Enable Full Mobility

Move from **Fixed Restriction**

to...

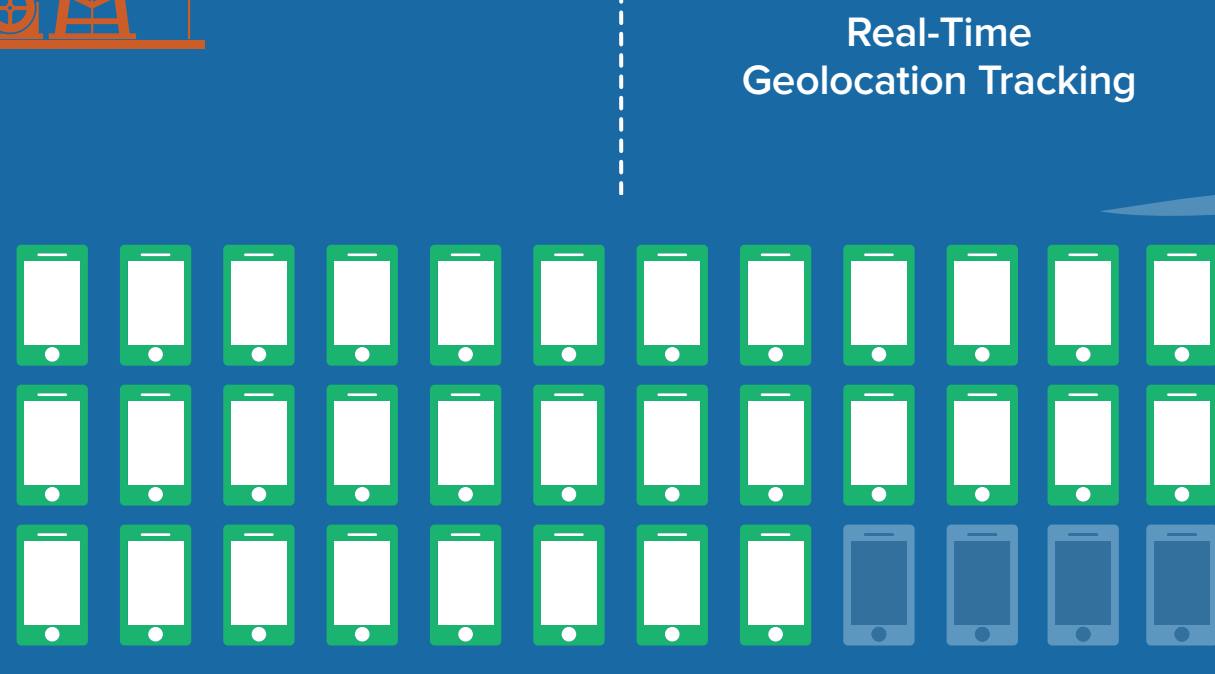
Mobile Freedom

In vast and remote oilfield operations, **maintaining reliable networking coverage can be challenging**.

A fully mobile and mobile-enabled network provides continuous connectivity that lets you **use voice, video and data applications everywhere, for:**



- Real-Time Data Capture in the Field
- Real-Time Delivery of Field Intelligence
- Real-Time Geolocation Tracking
- Enhanced Collaboration



89% of oil & gas professionals believe mobility will revolutionize their operating environments.

How Can You Connect to These Benefits?

The Rajant Kinetic Mesh Network.

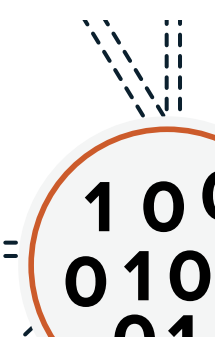
Move past the challenges of today with a **future-ready, future-proof** network infrastructure.

- The **ONLY** fully mobile and mobile-enabled mesh solution on the market
- **Interoperable private wireless network, easily scalable to hundreds of nodes consisting of thousands of radio connections**
- **High bandwidth capacity to support current & future data volume demands**
- **Ruggedized for the most extreme conditions – long-term solution, low TCO**



Realize the Value of Real-Time Insight – Rapidly

Quickly deploy a robust, self-optimizing, resilient network infrastructure that delivers real-time business intelligence to power fully optimized production, and your profitability.



Predict Costly Failure Before It Occurs

Move away from inefficient time-based maintenance plans with access to analytics that enable you to predict equipment service needs based on current condition, expected usage, etc.



Protect Your Most Valuable Assets – Your People

Kinetic Mesh networks enable dynamic mobility that keeps your technicians covered everywhere they travel. Remote workers' safety can now be continuously monitored.



Get the Most Out of Every Oilfield

Rajant activates the crucial link between your field assets, people, and command center—empowering you with real-time insight to maximize productivity in every corner of your operations.

Gain greater control of your productivity, and your success – it's all possible with **Rajant Kinetic Mesh** technology.

To learn more, visit www.rajant.com/oiloptimized today.

References:

- "Exploit sensor data for real-time decisions." HP, March 11, 2013. <http://www8.hp.com/h20195/v2/GetPDF.aspx%2F4AA4-5024ENW.pdf>
- "Oil & Gas Technology Trends to Look For in 2015." RIGZONE, January 2, 2015. http://www.rigzone.com/news/oil_gas/a/136449/Oil_Gas_Technology_Trends_to_Look_For_in_2015/?all=HG2
- "Digitizing oil and gas production." McKinsey & Company, August 2014. http://www.mckinsey.com/insights/energy_resources_materials/digitizing_oil_and_gas_production
- "Drilling down." National Safety Council Safety + Health Magazine, January 1, 2014. <http://www.safetyandhealthmagazine.com/articles/9666-drilling-down>
- "What Does 2015 Have in Store for Mobility in Oil & Gas?" Oil & Gas IQ, January 22, 2015. <http://www.oilandgasiq.com/gas-oil-production-and-operations/white-papers/what-does-2015-have-in-store-for-mobility-in-oil-g/>