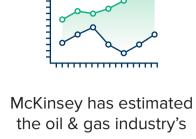


## Site performance and carbon footprint are inextricably linked. Without complete information

**Putting a Stop to Leaking Costs & Carbon** 

on the status of remote operations and equipment, operators can't continually optimize productivity—nor can they identify process inefficiencies causing negative environmental impact.

**Uncapped Inefficiency** 



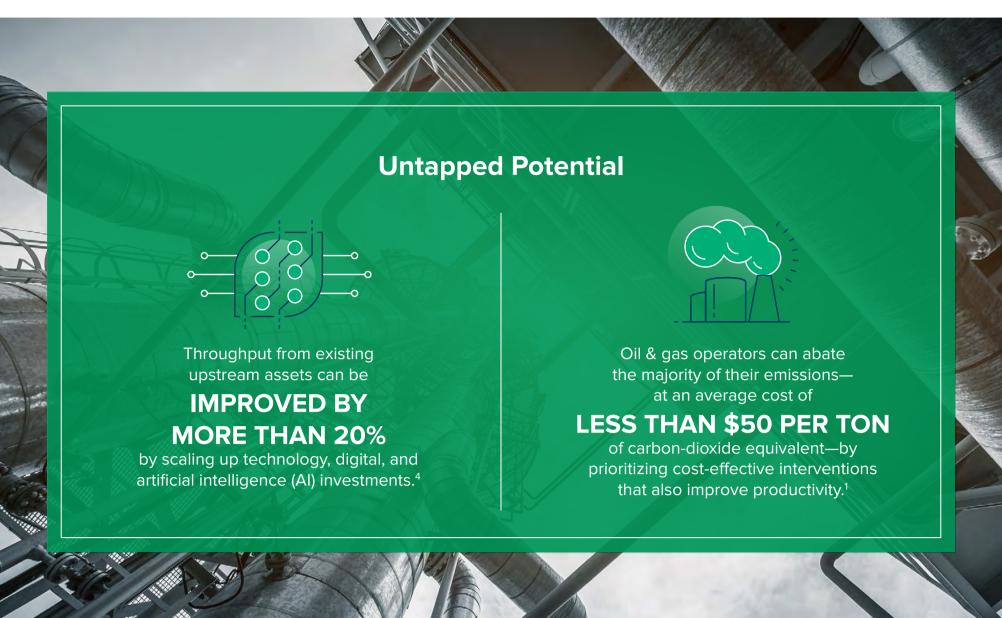
PERFORMANCE **GAP AT \$200B** due to production inefficiencies.2



**UP TO 70% OF ALL FLARING EMISSIONS** for one large operator.<sup>2</sup>



**ORPHAN WELLS** in the US alone, which emit 9.5M metric tons of carbon dioxide per year.3



## using advanced applications. You can think of the path to sustainability as a process:

Putting Technology to Use to Power Clean Initiatives

Many oil & gas leaders have already taken steps to substantially decrease their carbon footprint



**SENSORIZE** 

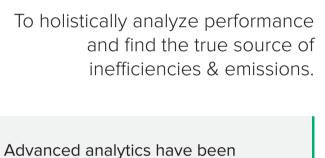
STEP 1

Automated condition monitoring can improve asset stability—with the **MOST STABLE ASSETS** 

quartile of production efficiency.5

**EMITTING 3X LESS** on average than those in the third





**INTEGRATE** 

**Diverse Data** 

found to help operators **INCREASE DRILLING SPEED BY 25%** or more and reduce emissions

BY NEARLY 10%.6

tied to drilling



**EFFICIENCY** using automation delivers a **4% REDUCTION IN** 

**10% INCREASE IN** 

**EMISSION INTENSITY.**<sup>5</sup>

**PRODUCTION** 



diverse volumes of keeping mission-critical performance of predictive analytics to field data insights flowing automated machinery automated emissions reporting on one network

that experiences significant reliability and bandwidth issues.6

The only way to truly capitalize on the value of efficiency- and sustainability-driving technologies is with a network foundation that offers:



High

**Bandwidth** 

To support real-time

access to large &

RÂJANT

**Industrial-Grade** 

Reliability

To function without fail in

rugged environments,



**Full** 

**Mobility** 

To enable autonomy

& the nonstop



**Multi-Application** 

**Capacity** 

To run everything from

remote well monitoring to



Future-thinking oil & gas

organizations turn to Rajant's private wireless network to help them evolve on two critical fronts—optimizing performance while enabling a smooth transition to cleaner exploration and production.

**Built-In InstaMesh®** 

Dynamically self-optimizes

to maintain mission-critical reliability, even on the move

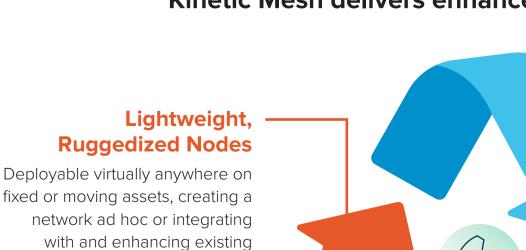
Mitigates idle time to reduce

emissions from equipment

Intelligence

inefficiency

Kinetic Mesh delivers enhanced connectivity through:



network infrastructure

infrastructure

Reduces need for land & resources to build fixed

> **Multi-Radio Architecture** Provides ultra-reliability and high availability for any number of real-time applications Ensures monitoring apps never miss a leak or out-of-range emissions

RÂJANT Rely on Rajant to help unlock the efficiency potential in your existing

Start by visiting rajant.com/environmentalism.

assets, and lock in your place as a leader in the shift to cleaner energy.

www.rajant.com 2. https://www.worldfutureenergysummit.com/en-gb/future-insights-blog/8-ways-the-oil-and-gas-industry-is-making-better-use-of-sustainable-technologies.html

3. https://www.rff.org/publications/testimony-and-public-comments/virtual-forum-reclaiming-orphaned-oil-and-gas-wells/ 4. https://www.mckinsey.com/industries/oil-and-gas/our-insights/oil-and-gas-after-covid-19-the-day-of-reckoning-or-a-new-age-of-opportunity **5.** https://www.mckinsey.com/industries/oil-and-gas/our-insights/toward-a-net-zero-future-decarbonizing-upstream-oil-and-gas-operations 6. https://www.mckinsey.com/industries/oil-and-gas/our-insights/how-tapping-connectivity-in-oil-and-gas-can-fuel-higher-performance