



The Future of Oil & Gas Industry

What are the key reasons for the Oil & Gas Industry to consider the 5G adoption?

5G will play a key role in improving performance in the Oil and Gas Industry, reducing risk and increasing assertiveness and heavy data processing.



The global market size is expected to reach **\$ 7.4 billion in 2025**



Compound annual growth rate (CAGR) of **6%**.

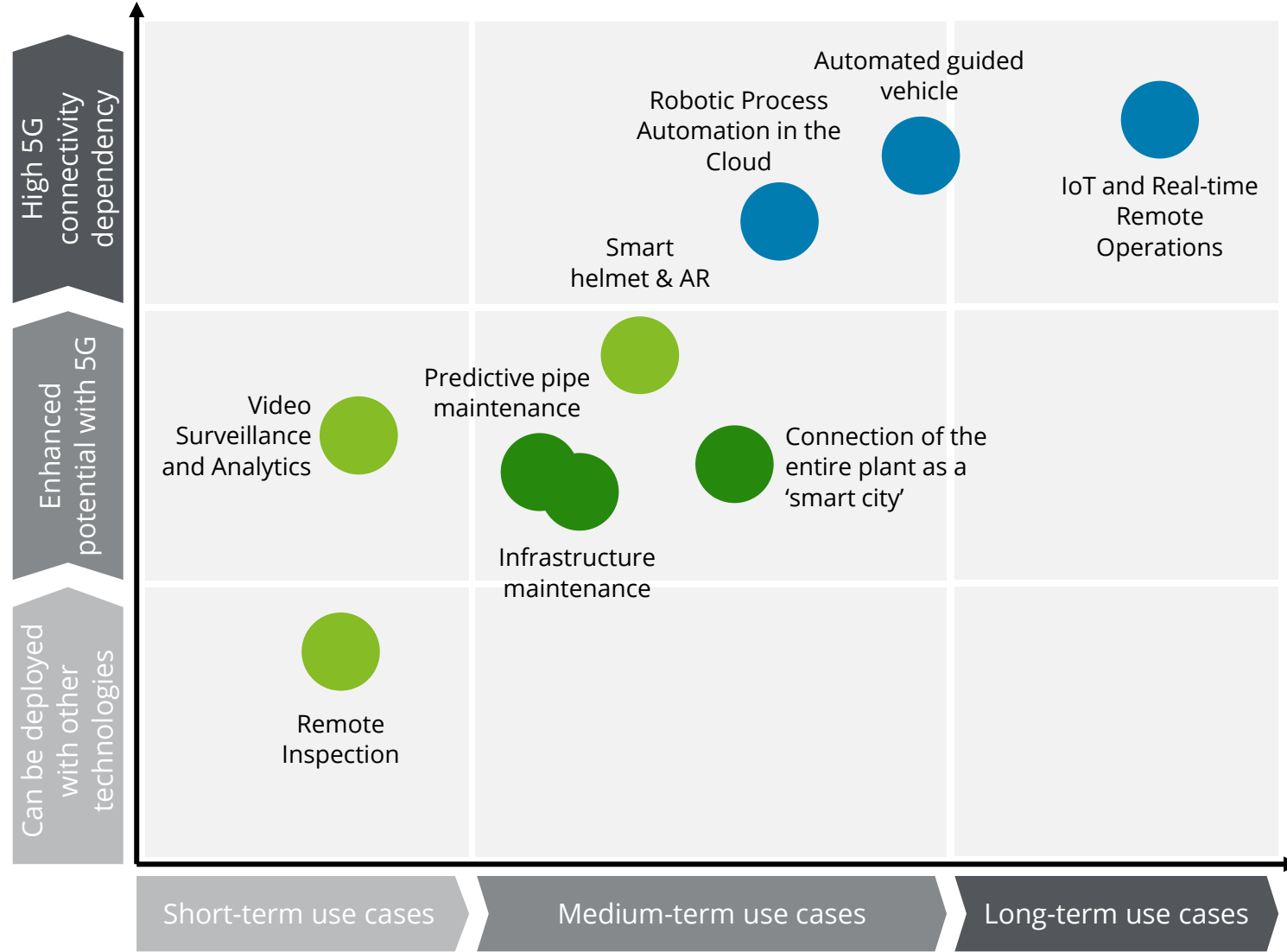
The **5G** high bandwidth, high capacity, and low latency **will enable transmission of high volumes of data in real-time** bringing unlimited access to information.

But more forcefully where the 5G will help the Oil and Gas industry?

Smart refinery	Smart chemistry	Upstream
Remote inspection	Automated guided vehicle	Video Surveillance and Analytics
Smart helmet & AR	Infrastructure maintenance	IoT and Real-time Remote Operations
Predictive pipe maintenance	Connection of the entire plant as a 'smart city'	Robotic Process Automation in the Cloud

And, when will this evolution take place?

Use cases adoption roadmap



How can Deloitte help?

We translate business and industry needs into technical requirements delivering value added E2E 5G solutions that lead to **meaningful business outcomes**.

- IDEATE AND PRIORITIZE** - Select the areas to be improved with 5G use cases, ideating, identifying and prioritizing the top 5G use case opportunities
- DEVELOP THE BUSINESS CASE** - Formulate the operational benefits of the 5G use case(s) defined and associated business case value proposition
- DESIGN TECH REQUIREMENTS** - Define and design use case technical solution architecture and requirements, considering deployment strategies and application requirements
- BUILD AND EVALUATE** - Start with a PoC first to monitor and evaluate the 5G use case(s) performance and then proceed with global rollout
- OPERATE AND MAINTAIN** - Define overall governance, operating model and procedures to ensure the sustainability in BAU

Sources: Deloitte TMT Predictions 2021, Huawei, IDC, Gartner, The business research Company

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