

What are the key reasons for the Oil & Gas sector to consider the 5G adoption?
The future of Oil & Gas sector

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5G might play a key role in improving performance in the Oil and Gas sector, 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%.

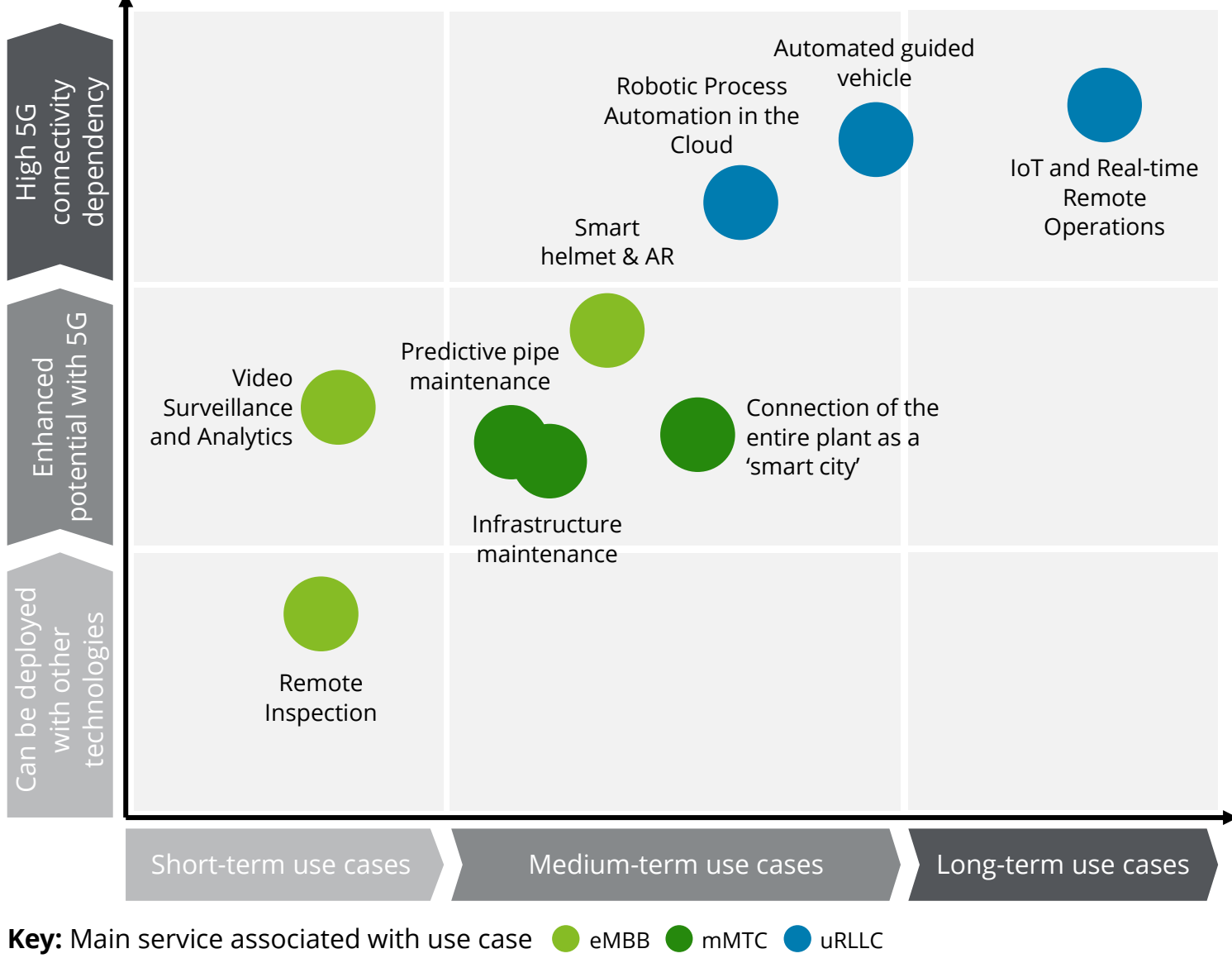
The 5G high bandwidth, high capacity, and low latency **could enable transmission of high volumes of data in real-time** bringing unlimited access to information.

But more forcefully where the 5G will help the Oil & Gas Sector?

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?

Deloitte translate business and industry needs into technical requirements delivering value added end-to-end 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 point of contact (PoC) first to monitor and evaluate the 5G use case(s) performance and then proceed with rollout
- OPERATE AND MAINTAIN** - Define overall governance, operating model and procedures to ensure the sustainability in business as usual (BAU)

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

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