



The future of smart cities

How can 5G answer the upcoming needs of cities worldwide?

5G is expected to bring significant economic and social benefits in the coming years, proving to be an area of great interest for cities to explore in order to become "Smarter"...



>2.5 trillion US dollars of global smart cities market by 2026



104.8 billion US dollars enabled by 5G in smart cities by 2026



40.2 billion US dollars of global 5G IoT market size by 2026

Sources: Business Wire; Markets and Markets.

Boosting cities' transformation through 5G's capabilities

Smart Cities need to engage in a transformational process which demands the exploitation of the revolutionary capabilities of 5G technology in order to maximize its potential



5G's high data throughput and easy scalability will be a key component when addressing the data speed and scale demands



5G enhances the quantity of available monitored and controlled devices answering to the Unlimited "Things" Scenario



5G comprises an end-to-end security platform that allows to avoid data misuse and improve reliability on service utilization

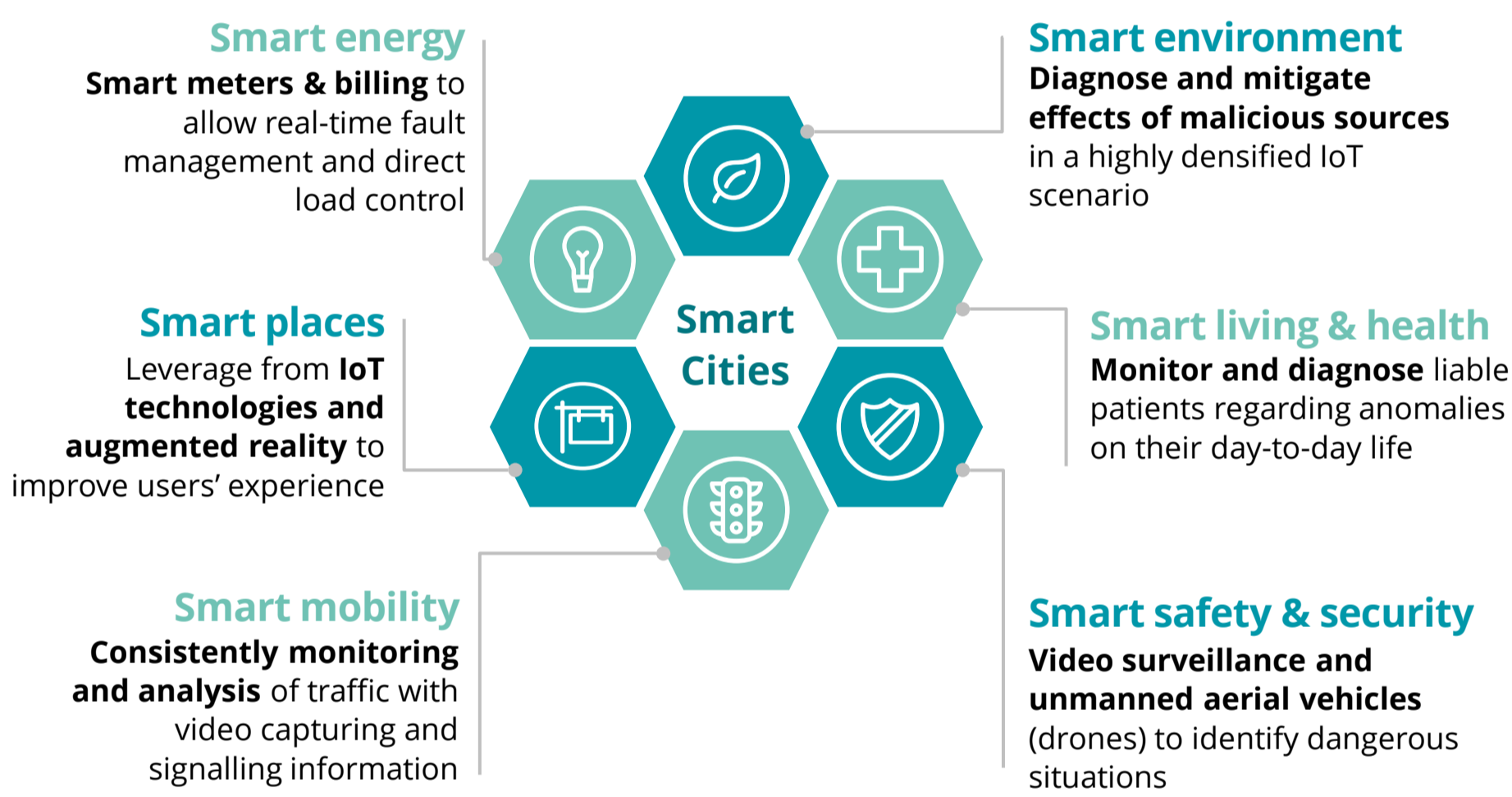


5G supports network slicing and provisioning flexibility allowing a massive diversification and multiple new vertical industries



Cities' use cases leveraged by 5G

5G will play a major role in empowering societies to transform global services through high uplink capabilities and reduced latency connections, among others



In an evolution to a incredibly urbanised world, the only way of providing top of the class services and ensure quality of life is through 5G

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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