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Edge, 5G, and IoT

Connecting people and machines to data

Welcome to the **Digital Future**

Every organization needs to be a digital organization,
powered by data, running in a multi-cloud world.

Edge and IoT will fuel the Digital Future by transforming the physical world into data

175, 000, 000, 000, 000GB

Digital cities

Drones

Autonomous vehicles

Smart robots

Surveillance

5G

Wearables

4K+ video

THINGS

The Digital Future demands edge computing

1

Volume:

The amount of data generated at the edge is growing at massive rates. **Gartner predicts edge data will comprise 75% of enterprise data by 2022, up from 10% today**

2

Speed:

Many use cases cannot accept the inherent latency in sending data over a network

3

Uptime:

Network downtime is a non-starter for use cases in which business continuity and safety are paramount

Your things can **tell you things**



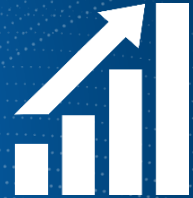
Operational
efficiency



Mitigate risks
(safety)



Customer
experience



New revenue
models

Edge and IoT create value but also **challenges**



Business case



Stakeholder alignment



Interoperability



Scale



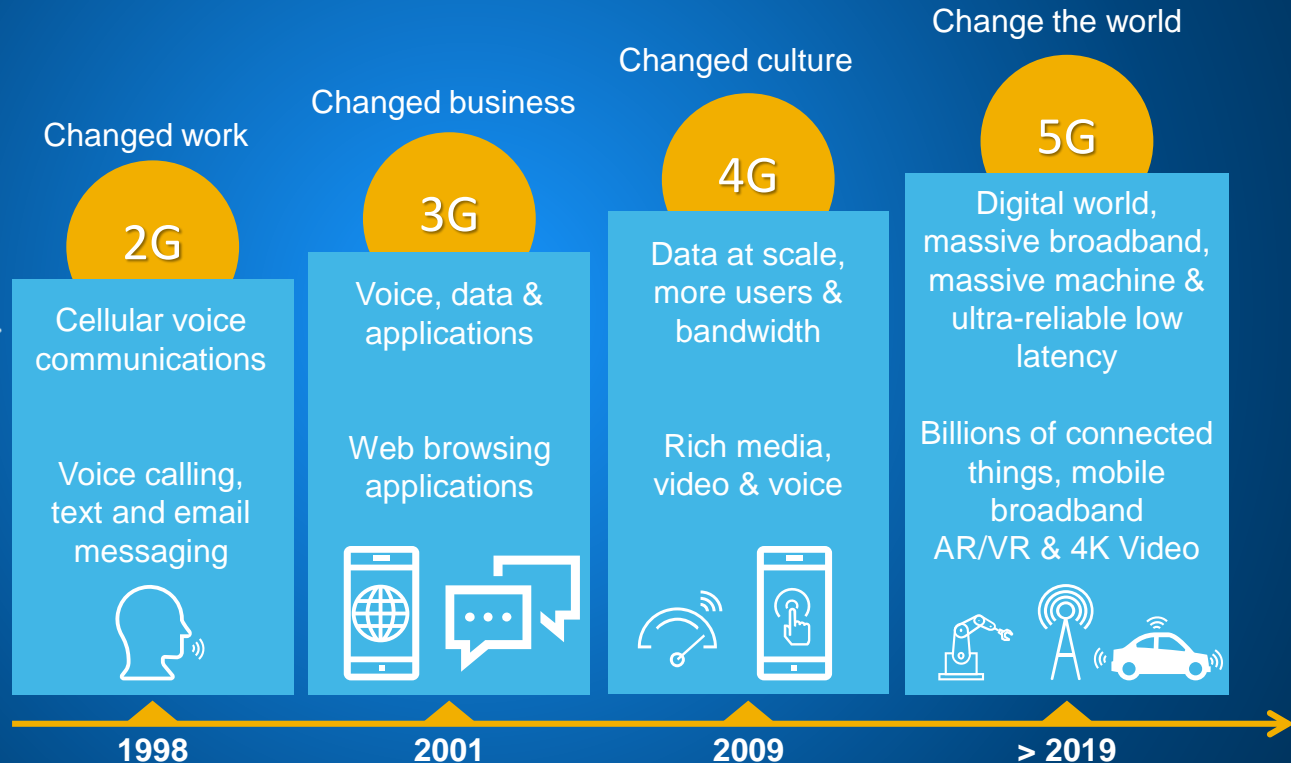
Analytics



Security and manageability

5G: Enabling the Data-rich Edge

Mobile connectivity has fueled human progress

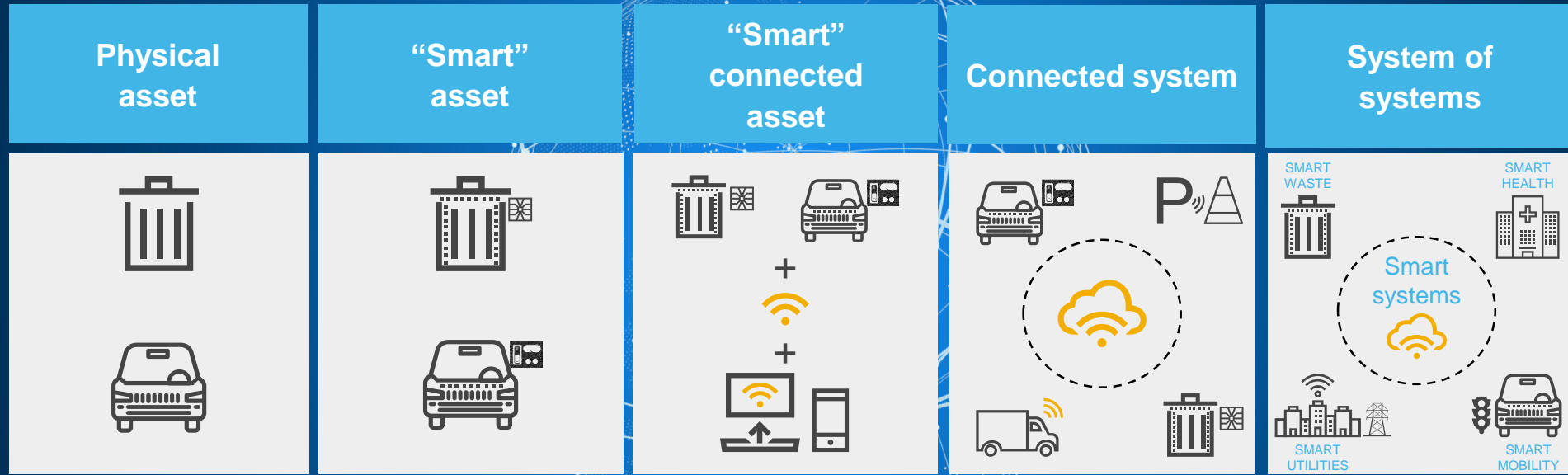


Digital Era is being fueled by the interwoven fabric of technologies...



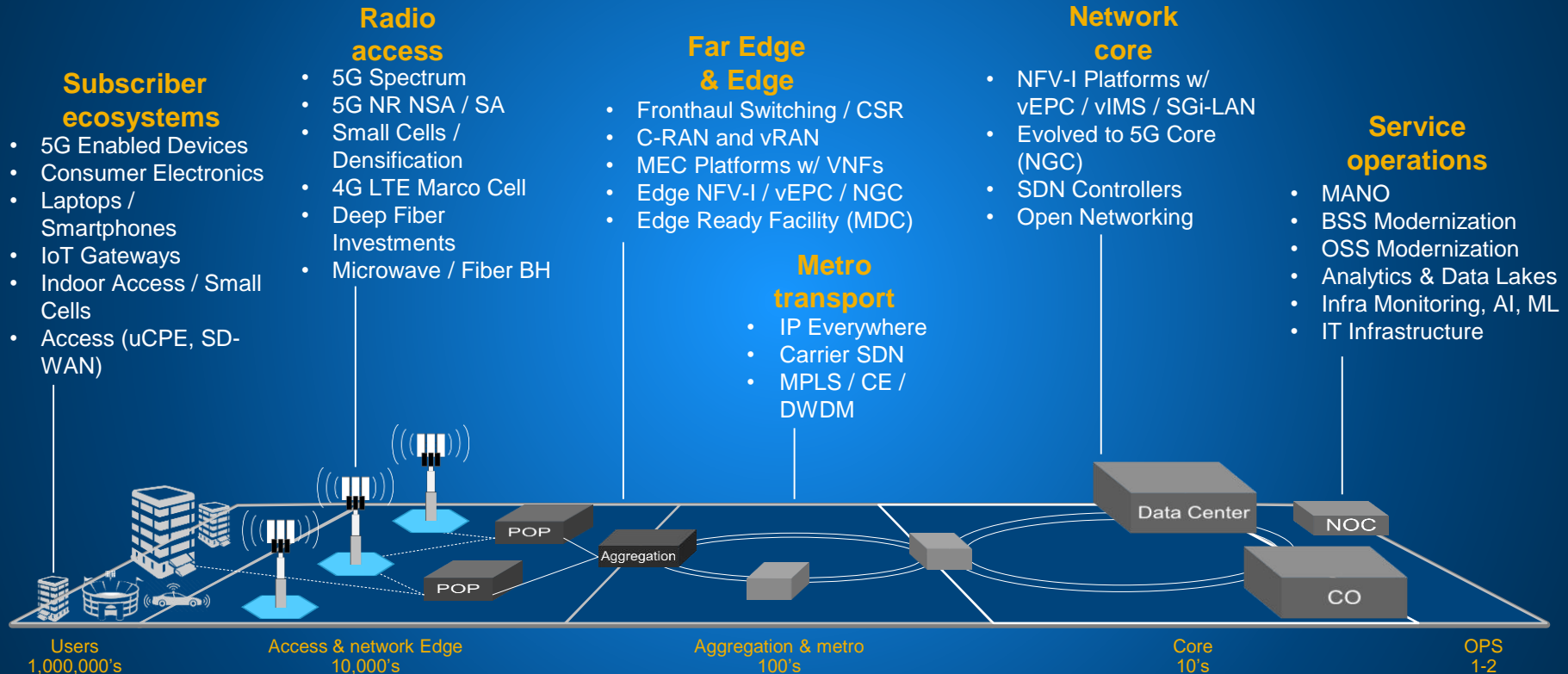
Assets are getting connected and transformed

Into scalable smart systems....



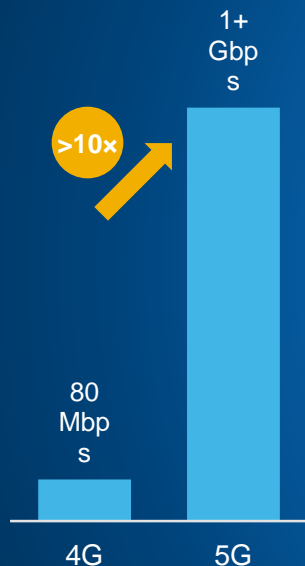
...which scale up to create an intelligent world

5G requires several industry-wide investment points



5G expected performance improvements vs 4G

Faster data rate



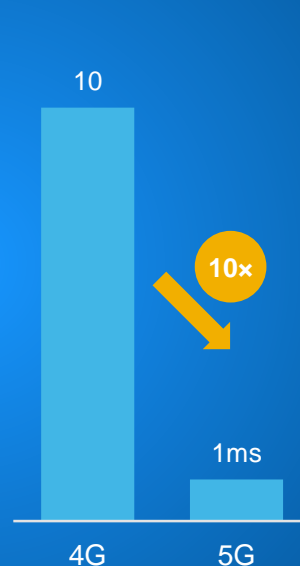
Makes wireless peak speeds potentially competitive with fiber

Higher device density



Enables pervasive IoT (e.g., "every light bulb can be a smart light bulb")

Reduced latency



Enables real-time applications (e.g., cloud-based computation for driverless cars)

Lower energy



Enables high-speed data to battery-powered devices (e.g., cordless VR headsets)

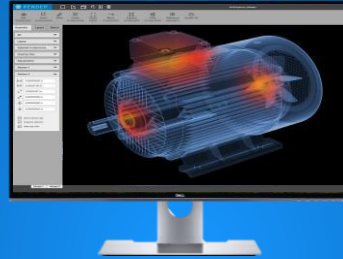
Dell Technologies Solutions

The Dell Technologies 5G experience

Enabling a wide range of end user use cases



**Always ready,
immersive productivity**



**Expansive
media**



**Gaming
supremacy**



**IoT &
indoor
solutions**



**Advanced
networking**

Dell EMC Ready Offers Accelerate the 5G Journey

uCPE & SD-WAN ENTERPRISE EDGE



Branch to Data Center form factors validated, integrated and delivered globally with choice of software to meet any use case.

DISTRIBUTED NETWORK EDGE



Transform how people and machines interact with digital services at the edge with infrastructure that can go wherever data demands.

MICRO & MODULAR DATA CENTERS



Powered by Intel® Technology

Modernize edge and on premise infrastructure at a fraction of the time & cost for vRAN, Edge Compute, and NFV / SDN deployments.

TELCO CLOUD NFV SOLUTIONS



Deliver lower risk, faster NFV deployments with Dell EMC pre-validated Ready Solution with VMware or RHOS Ready Architectures.

SP ANALYTICS SOLUTIONS



Accelerate digital transformation via advanced and modular network and business driven use cases on a unified data platform.

DELLTechnologies



DELL EMC

Pivotal

RSA

Secureworks

virtustream

vmware