

Connectivity for IoT

What are your choices?

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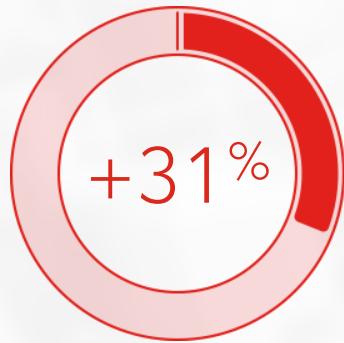
Vice President, Wholesale Solutions

Rogers for Business



IoT: Fundamental to digital transformation

A breathtaking digital transformation has been reshaping companies. Are you ready?



2017

8.4B

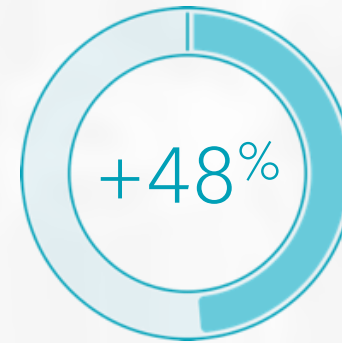
connected "things"
in 2017, 31% increase
from 2016¹



2020

65%

of companies will adopt
IoT by 2020³



2020

\$1T

Forecasted global spending
on IoT²



2025

55B

connected "things"
by 2025⁴

1. Gartner, "Forecast: Internet of Things – Endpoints and Associated Services, Worldwide, 2016", <https://www.gartner.com/document/3558917>
2. IDC, "Worldwide Spending on the Internet of Things," <https://www.idc.com/getdoc.jsp?containerId=prUS43295217>
3. Gartner, "Leading the IoT," https://www.gartner.com/imagesrv/books/iot/iotEbook_digital.pdf
4. Business Insider, "The Internet of Things 2018 Report," <http://www.businessinsider.com/the-internet-of-things-2017-report-2017-1>



5G: The Evolution of Wireless Technology

1985: First cellphone
call in Canada



1G

1980s

Analogue

First cell phone

National networks



2G

1990s

Digital

Texting

Phones in pockets

2008: First iPhone
in Canada



3G

2000s

Data

Email & mobile Internet

Global roaming



4G

2010s

On-demand economy

Apps & streaming

Global standard



5G

2019 & beyond

Real-time economy

500x connections

1 millisecond latency



LPWA powers Massive IoT

Low-Power, Wide-Area (LPWA) networks allow low-bandwidth applications to stay connected efficiently with improved battery life, reduced device cost and enhanced coverage.

What are the benefits of LPWA networks?



Enhanced
coverage



Extended
battery life



Large
implementations



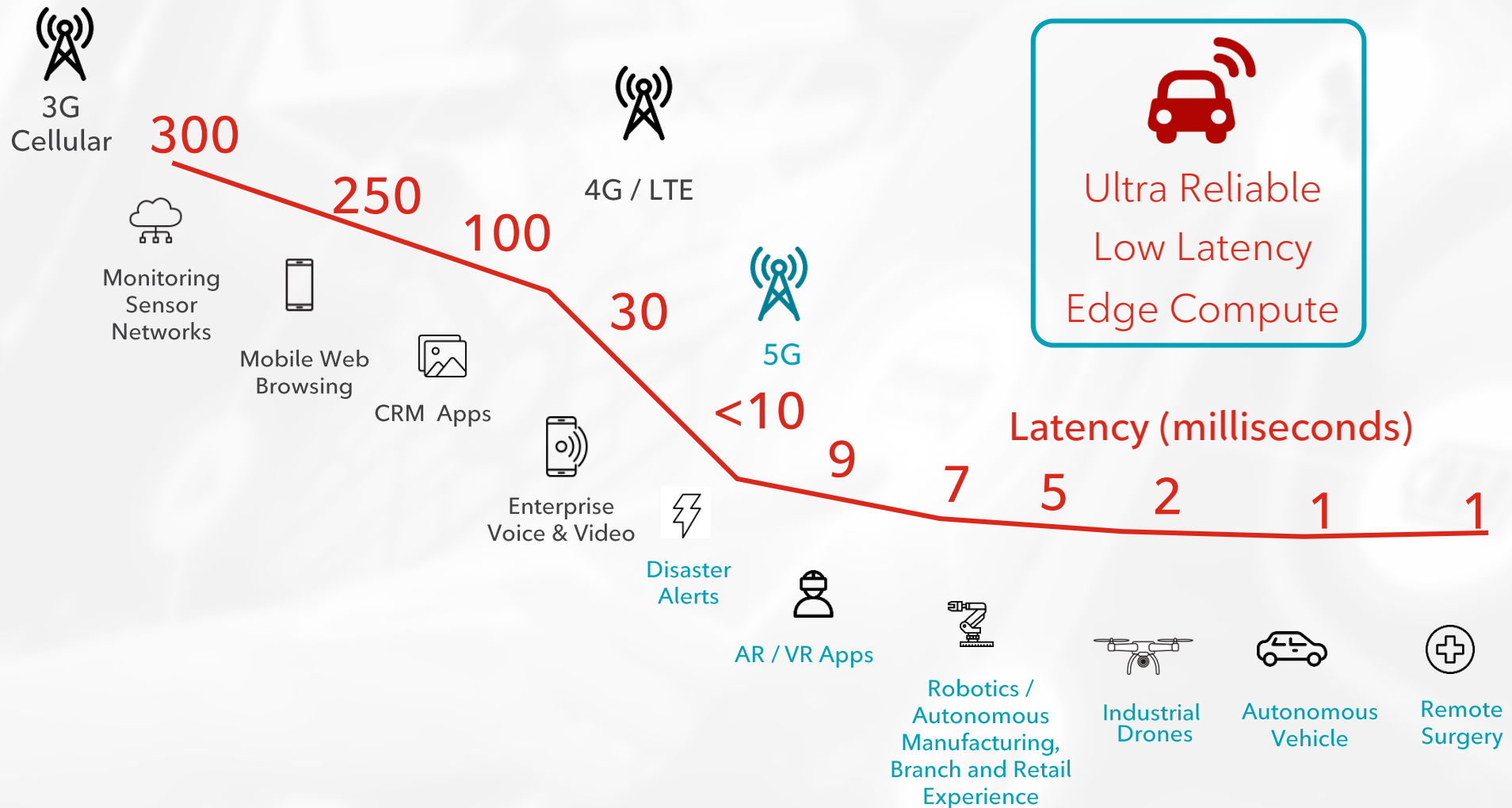
Carrier-grade
security and reliability

LTE-M (Long-Term Evolution category M1)

NB-IoT (Narrowband Internet of Things)



5G enables the world of Mission Critical IoT



What is needed to support the IoT uses cases of the future

Carriers that can deliver all of this will be successful enablers in this space



5G enabled, national wireless networks to connect the millions of IoT sensors and devices



National Fibre Optic network with global connections to move the massive amount of IoT data traffic



Connectivity to Data Centers & Cloud computing & storage resources







**Together let's build
what's next**



