

5G: ARE YOU UP TO SPEED?

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econocom

SUMMARY

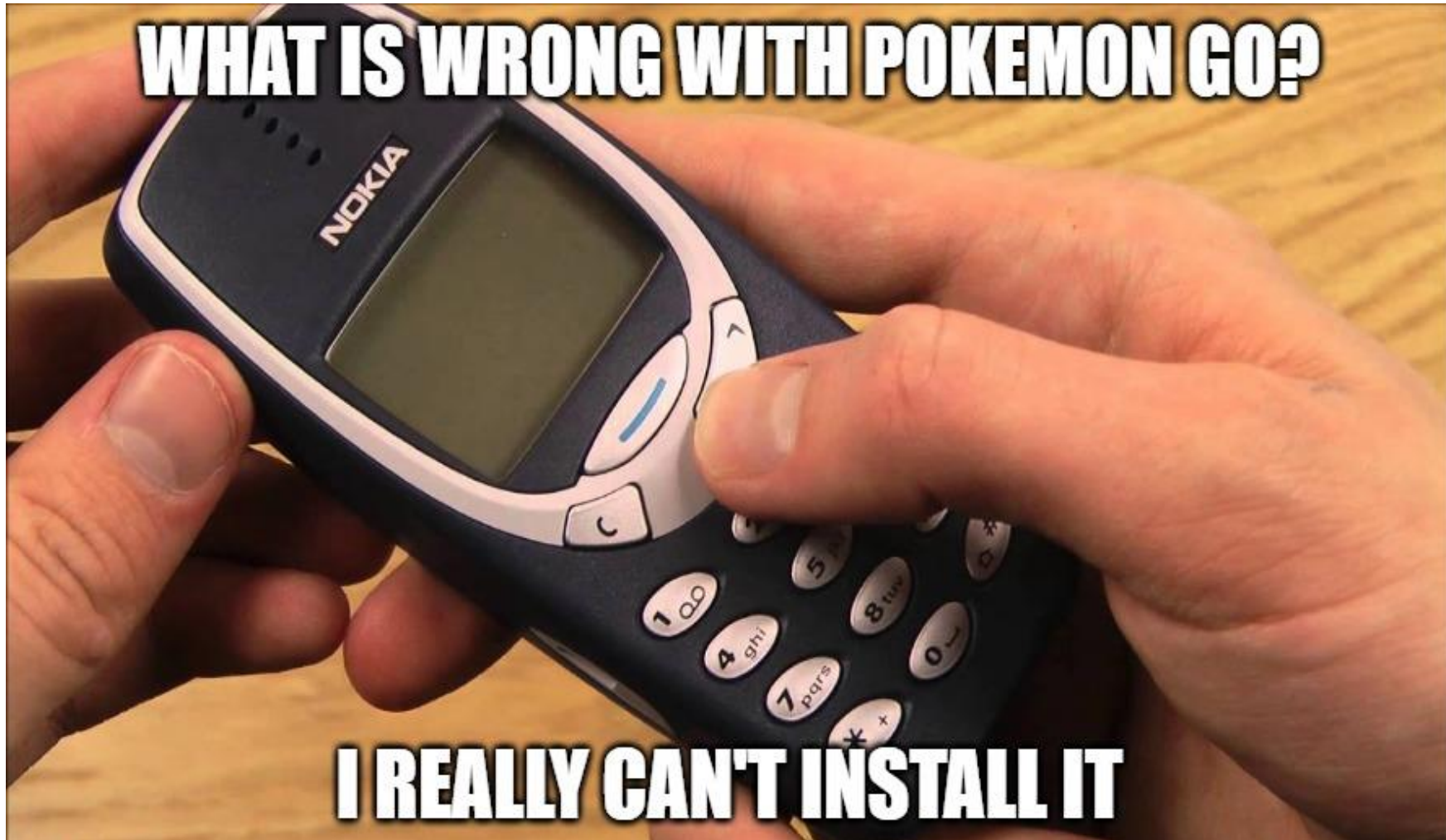
1. WHAT'S SO DIFFERENT ABOUT 5G?
2. CONTROVERSY
3. WHAT TO EXPECT FROM 5G?
4. 5G IN ACTION
5. 5G IN THE UK & FRANCE
6. BARRIERS TO 5G ADOPTION
7. HOW TO GET 5G READY?

01

**WHAT'S SO
DIFFERENT
ABOUT 5G?**

1G: Where it all began





WHAT IS WRONG WITH POKEMON GO?

I REALLY CAN'T INSTALL IT

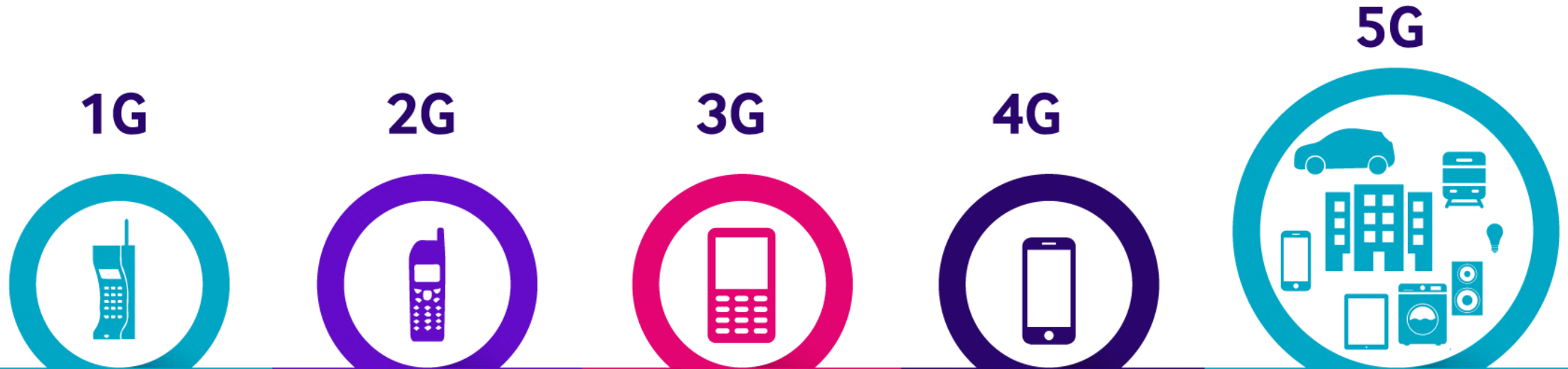
3G: The first smartphones



4G: The streaming era



The evolution of mobile communications: from 1G to 5G



Large size portable phones

▼
1980

Feature mobile phones

▼
1990

WAP,
Internet-connected mobile phones

▼
2001

Smartphones

▼
2009

Internet of Things (IoT)

▼
2020



4G

- 200-300 Mbps
- 6 minutes to download a 2-hour long 3D movie

VS



5G

- 1-10 Gbps
- 3.6 seconds to download a 2-hour long 3D movie

**5G will be
100 times
faster than
4G.**

02

CONTROVERSY

How 5G towers look VS how people see them





RESKILLING THE WORKFORCE

The deployment of 5G technology will create many jobs – **22 million globally by 2035**, according to IHS Markit - it will also eliminate others.



CYBERSECURITY ISSUES

- Some believe **5G will be more secure** than existing networks.
- However, without regulation and strong proactive measures, **5G networks are more susceptible to cyberattacks** than their predecessors.

03

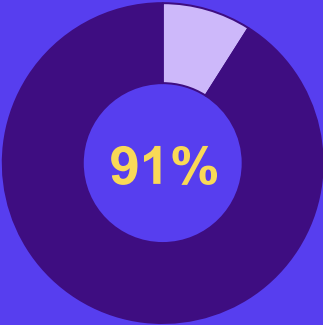
**WHAT TO EXPECT
FROM 5G?**

72% of business and tech executives say they need help imagining the possibilities and future uses of 5G.

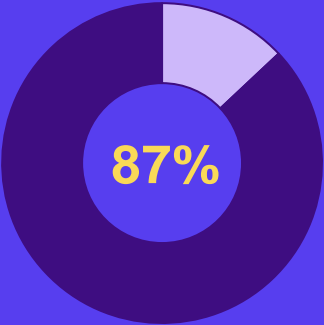
Source: Accenture 2019 survey



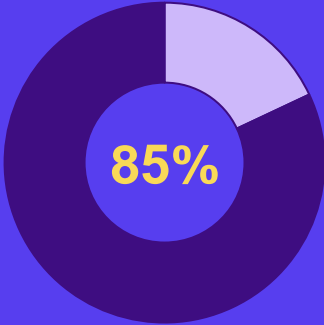
Business decision leaders, analysts and tech enthusiasts have the following expectations:



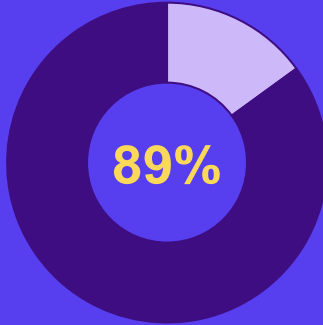
expect **new products and services** that have yet to be invented



expect **new industries** to emerge



expect 5G to make **companies more globally competitive**



expect **increased productivity**

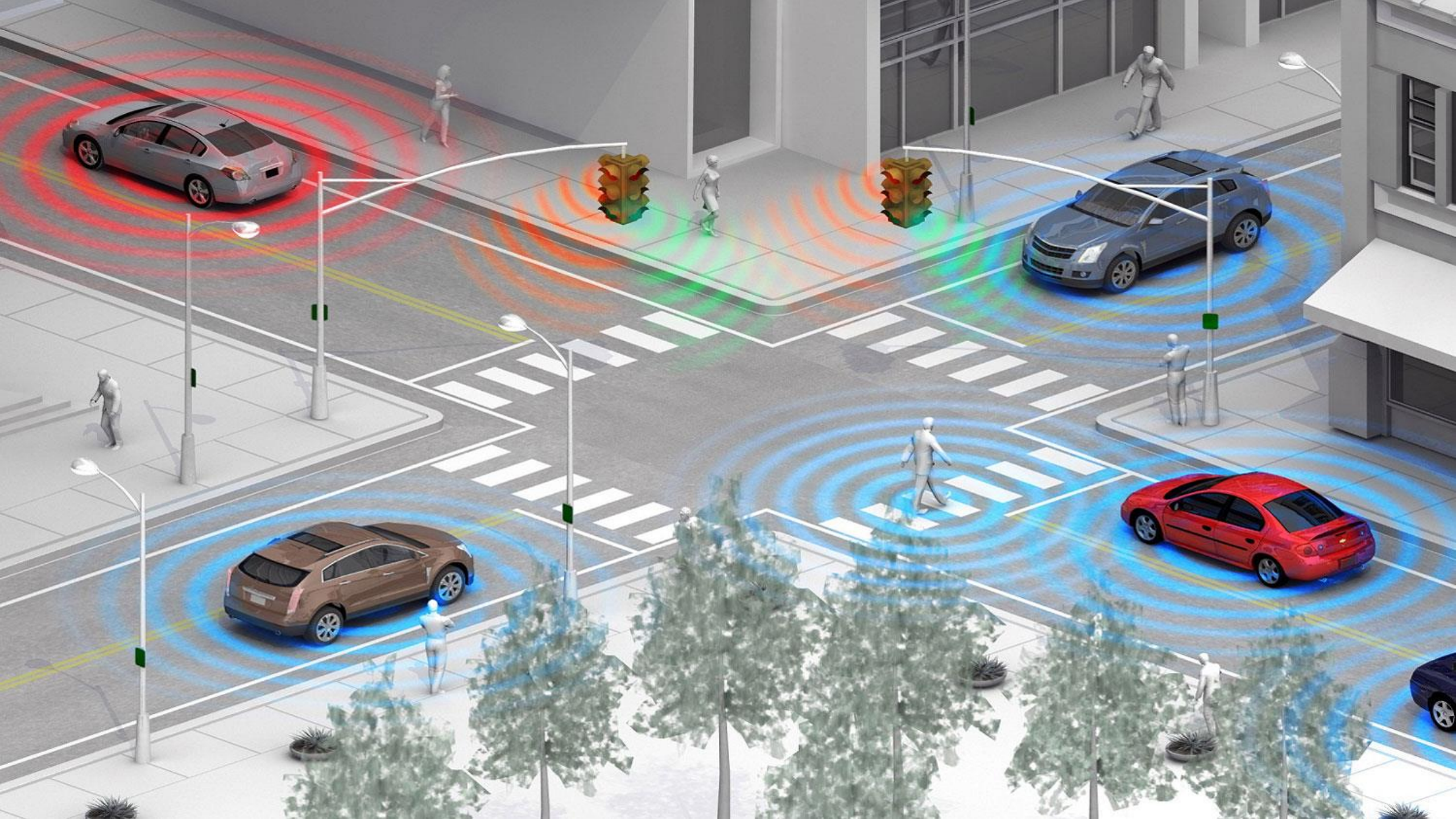
Source: report from PSB Research

04

5G IN

ACTION









Mobility: How 5G will shape the future of enterprise mobility



Employee flexibility (remote working, digital workplace in the era of Covid-19 etc.)



Increased productivity



Smoother operations (apps will run faster which means greater transfer of data, deeper visibility etc.)



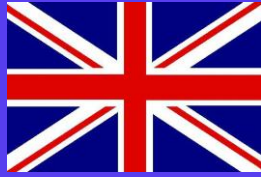
Cloud Services will become the foundation of enterprises (easier access to data from anywhere, enhanced comms etc.)



AR and VR will expand engagement and make interactions smoother

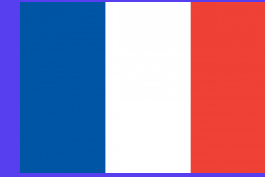
05

**5G IN THE UK
& FRANCE**



5G in the UK

- The first networks to launch 5G in the UK were EE and Vodafone, followed soon after by O2.
- BT Mobile, Sky Mobile, and Three now also have 5G networks, but the technology hasn't reached yet all regions of the nation.
- 5G speeds in the UK are nearly four times faster than the average Wi-Fi connection.



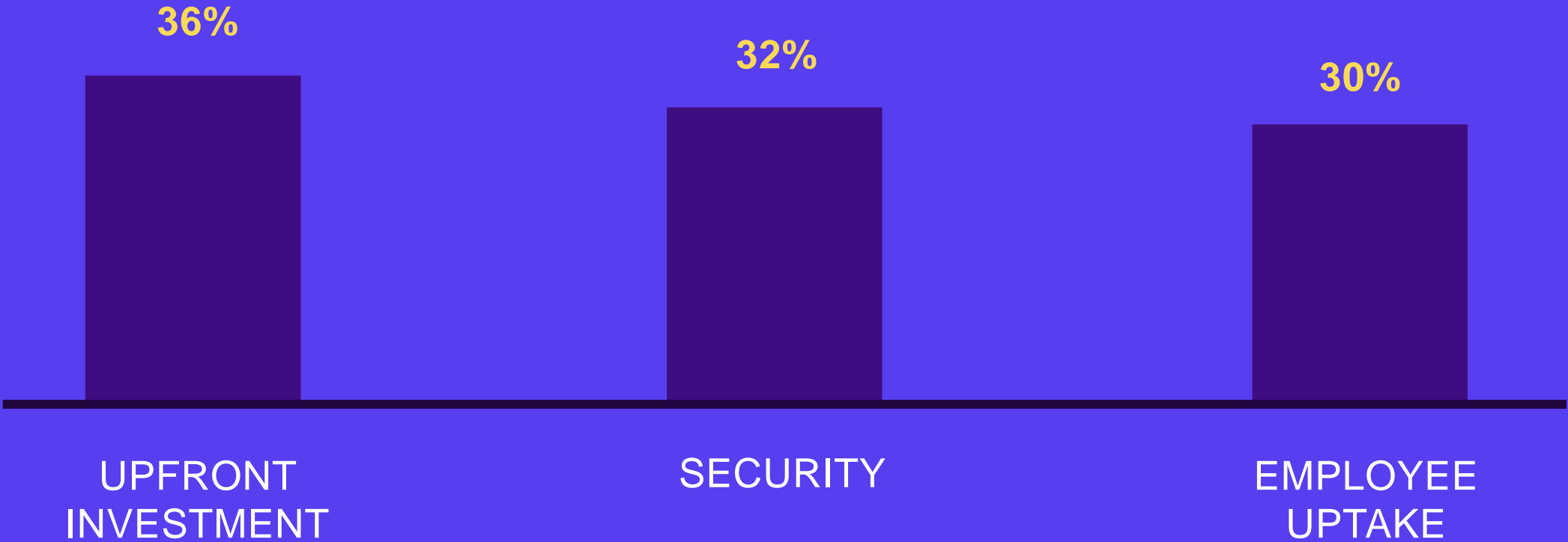
5G in France

- 5G deployment in France has been discussed since the end of 2019.
- In February 2020, the first phase of selection of operators aspiring to acquire frequencies took place. The winners were SFR, Orange, Bouygues Telecom and Free Mobile.
- 5G was expected in France in July 2020 but because of COVID-19, it will likely take several weeks or even months before the first 5G networks start operating.

06

**BARRIERS TO
5G ADOPTION**

Business and technology executives worldwide cite the following concerns in adopting 5G:

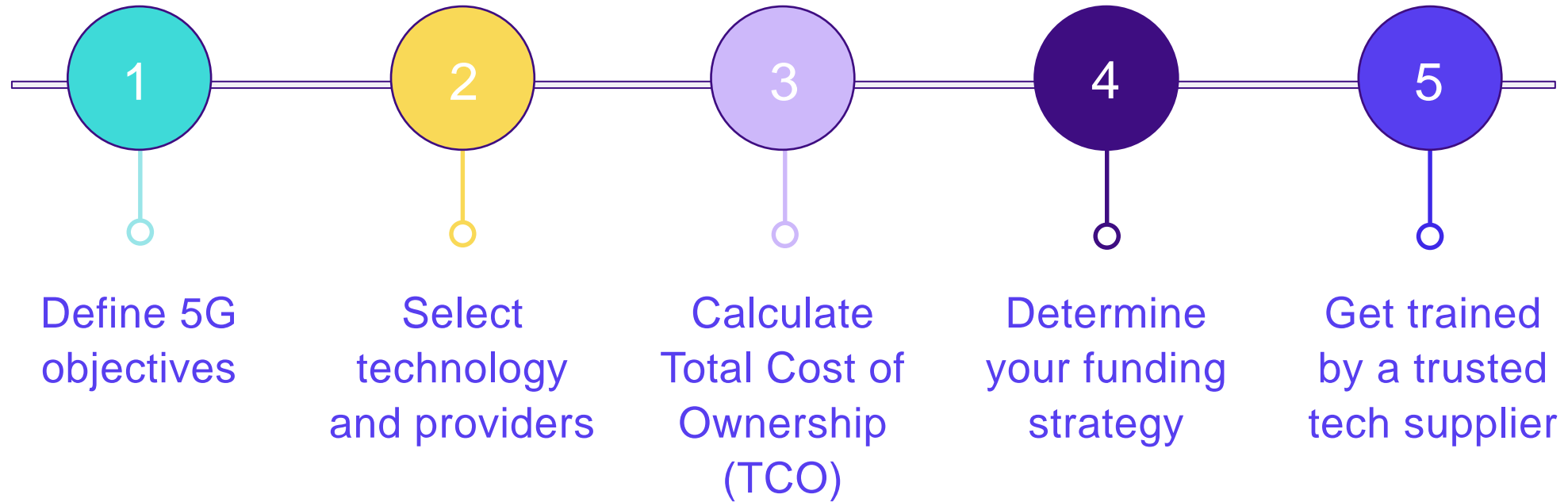


Source: Accenture 2019 survey

07

**HOW TO GET 5G
READY?**

Roadmap



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BRACE YOURSELF



5G IS COMING

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