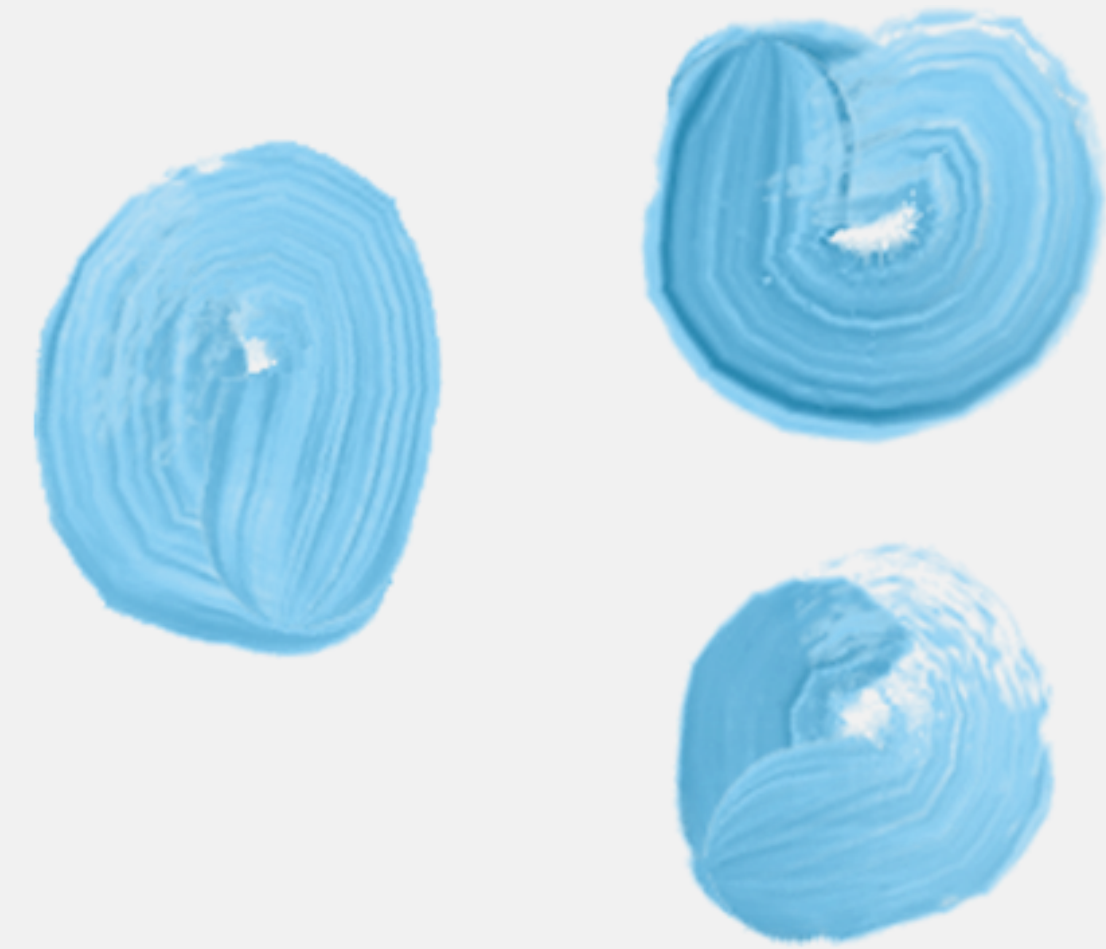
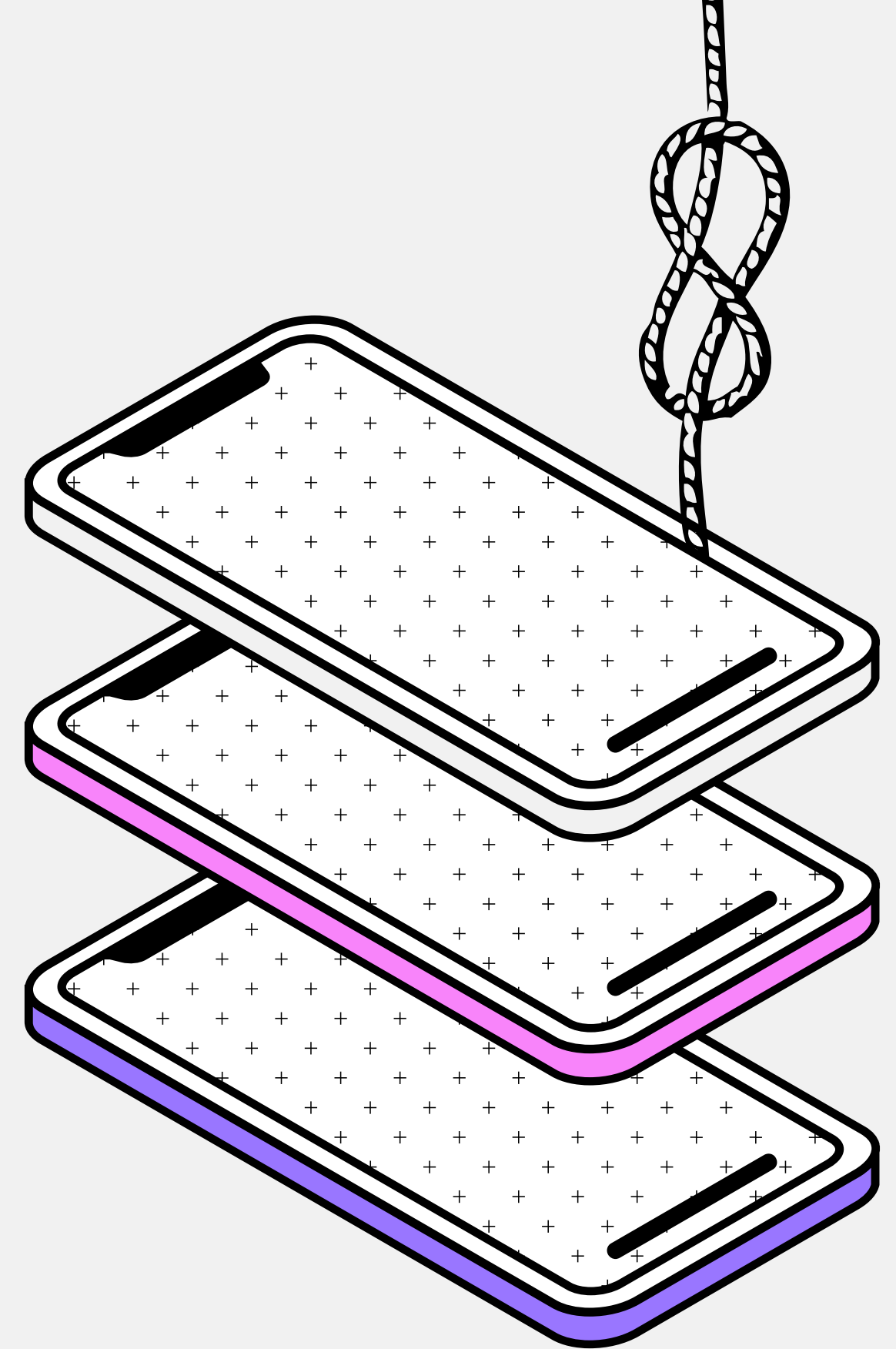


Demystifying 5G

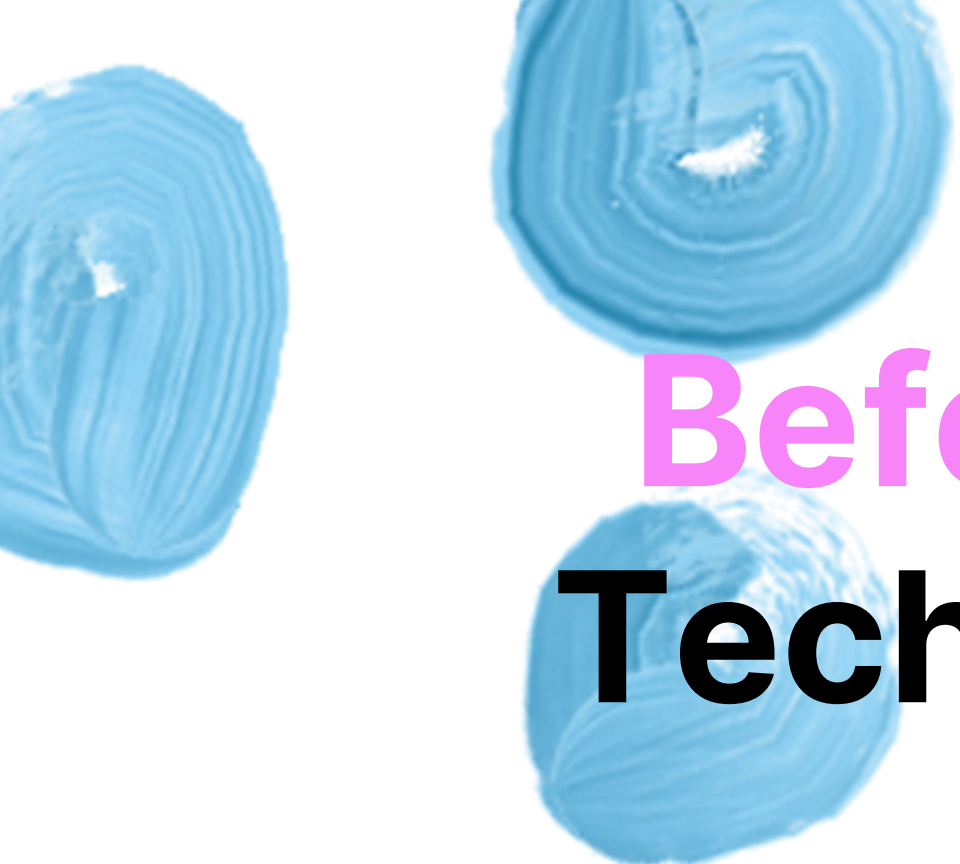
What you need to know about
the 5th Generation Mobile Network



5G Technology in a nutshell

5G is the fifth generation of wireless technology that boasts way more than just faster speeds. It uses higher frequency bands to support quick connection, less latency, and more devices.





Before 5G Technology

The fastest speed is 200 Mbps

Latency is 20 to 30 milliseconds

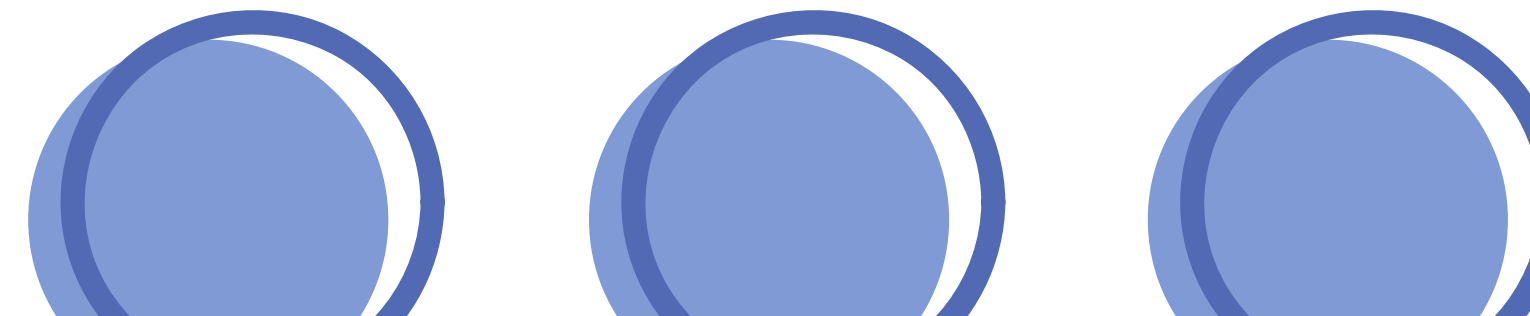
Channel bandwidth is up to 20 MHz

With 5G Technology

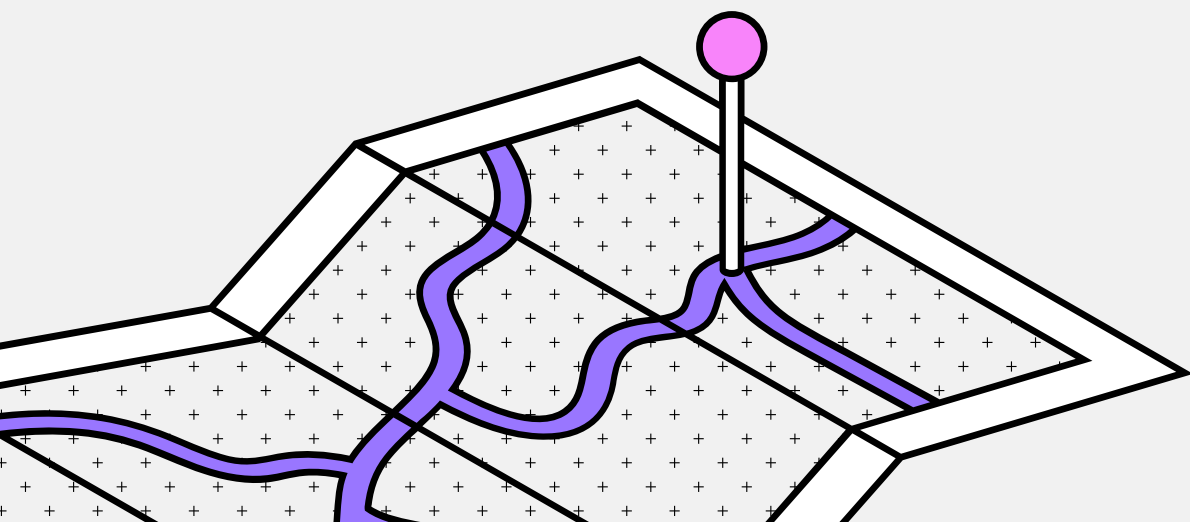
The fastest speed can go beyond 1 Gbps.

Latency is less than ten milliseconds

Channel bandwidth is up to 500 MHz



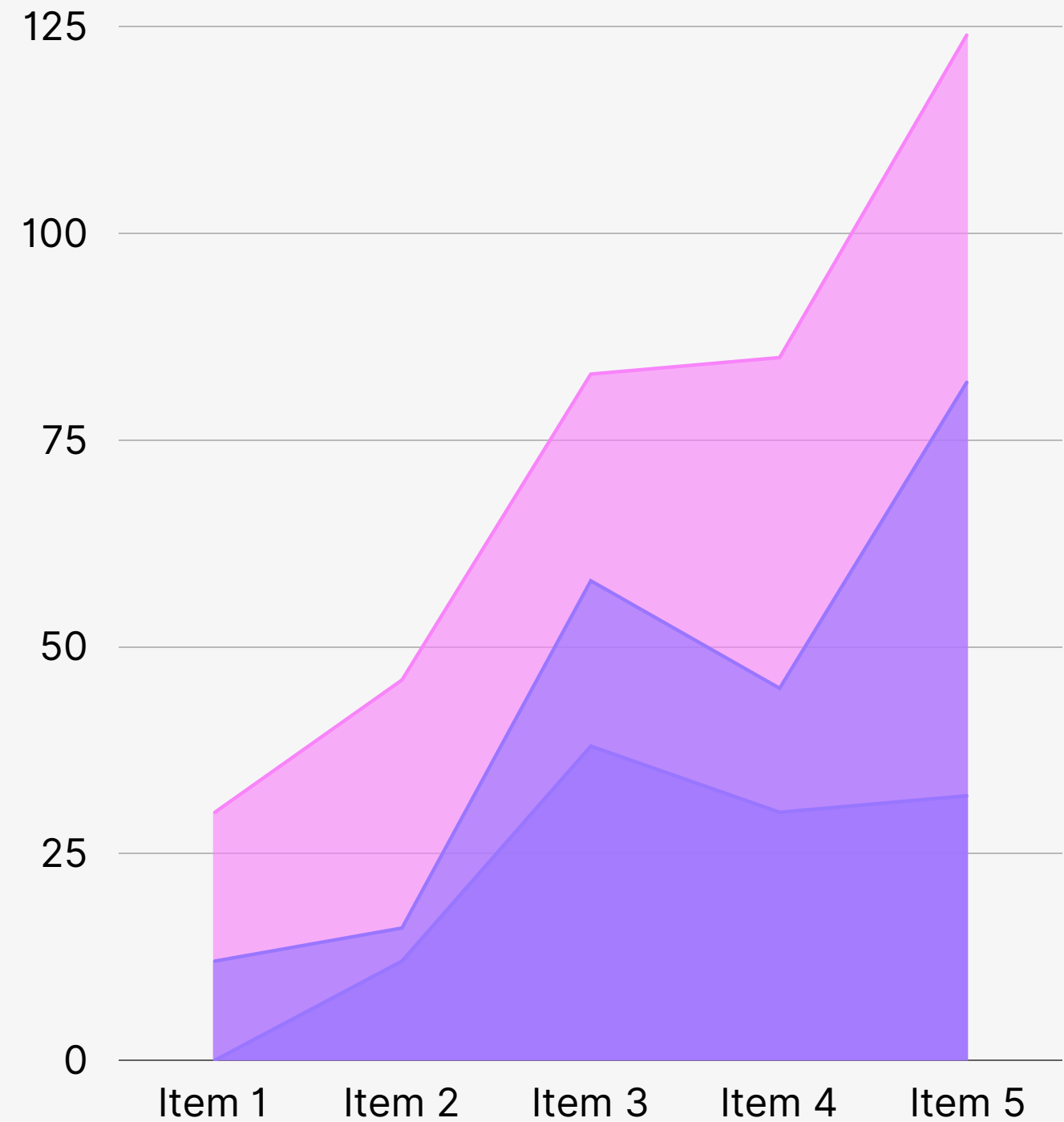
Mobile Networks and 5G Technology



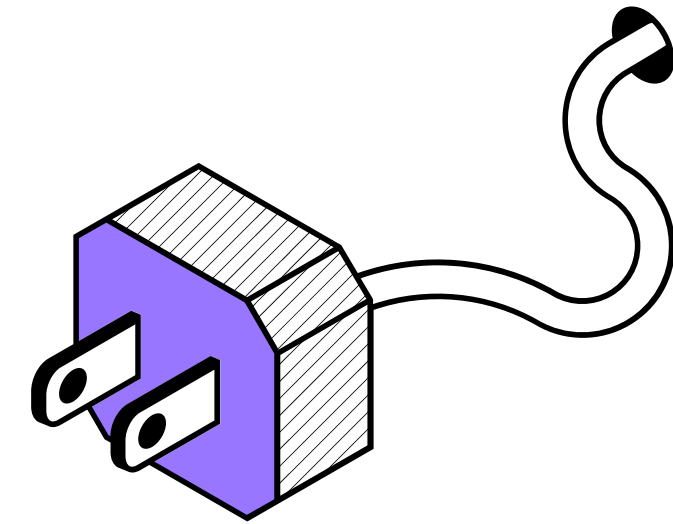
5G Technology Adoption in the World

As of January 2021

5G technology adoption continues to rise in more countries and cities.



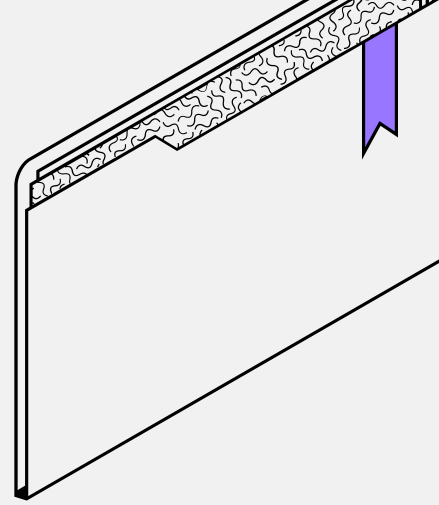
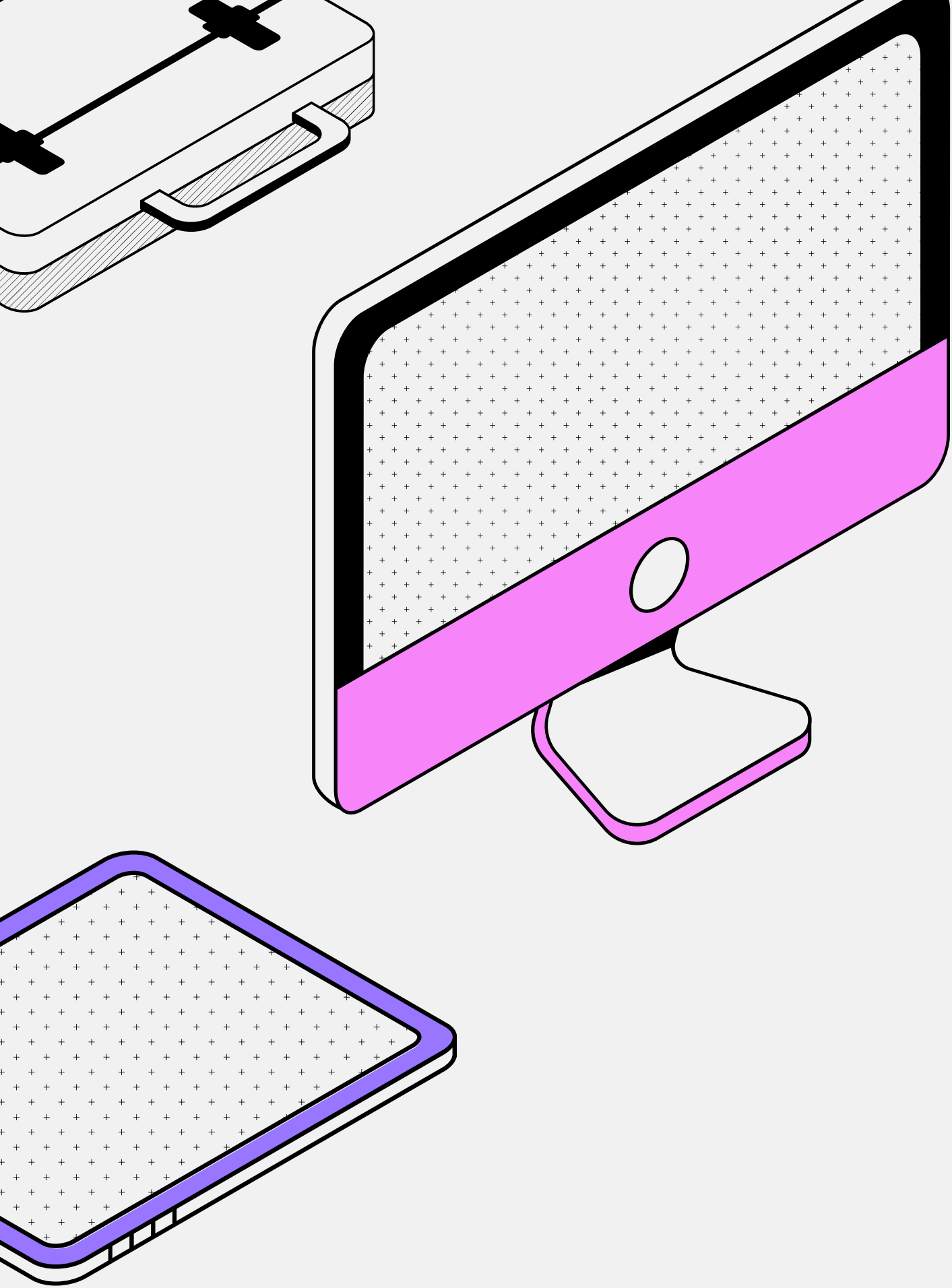
Is 5G better than LTE?



Understanding network speeds

The future lies in 5G. As opposed to LTE that only uses lower frequency bands, 5G runs on a higher frequency, providing users with a larger bandwidth.

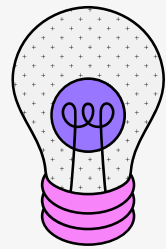




The Benefits of 5G Technology

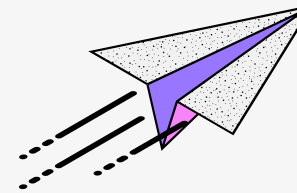
Benefits on Businesses

Empowering small businesses and enterprises



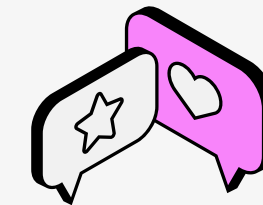
Enhanced automation

Businesses can enjoy a more streamlined workflow thanks to 5G technology.



Big Data analytics

Companies will be better equipped when it comes to collecting, storing, and analyzing data.



Richer communication experiences

Low latency means little to no lags, enabling genuine real-time reaction.

Benefits of on Daily Life

Improving day to day

Smarter homes and cities

Expect better security, lighting, audio, and so much more.

Driverless cars

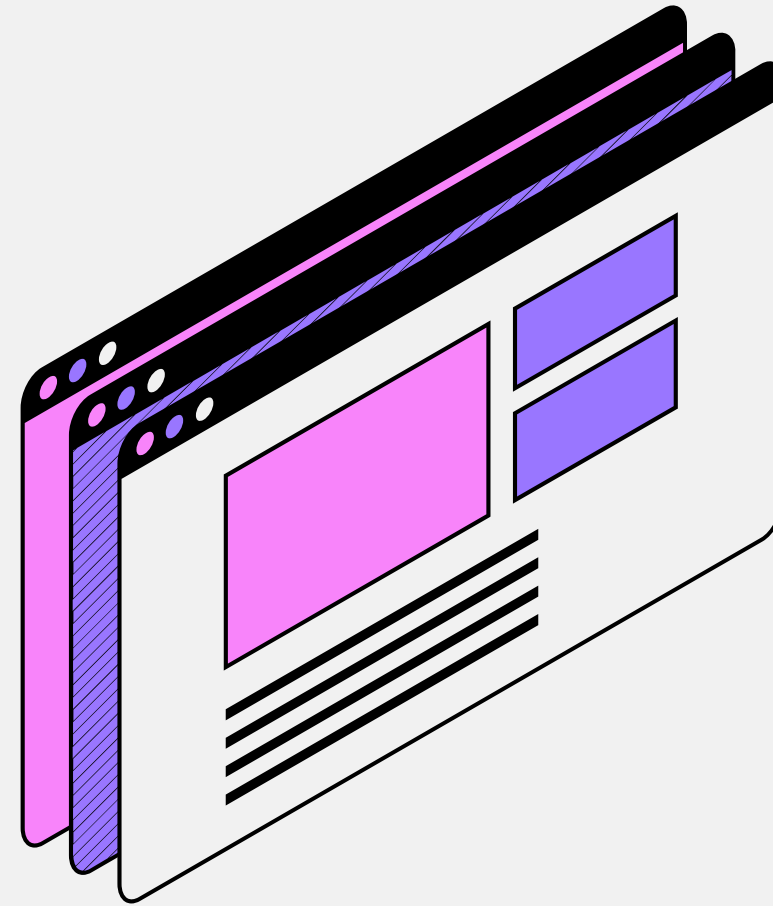
Autonomous vehicles will be better capable of detecting danger, communicating with other cars, interacting with smart signs, and following maps.

Enhanced streaming and entertainment

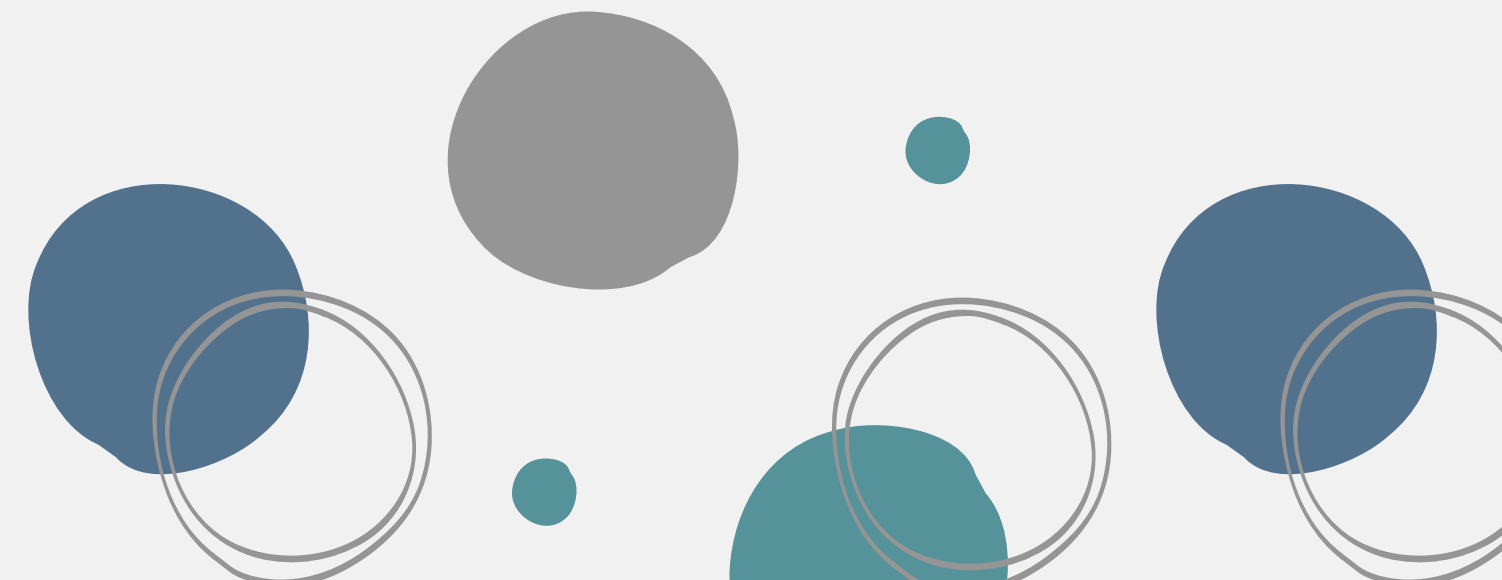
With unlimited capacity and short lags, everyone can enjoy faster and better quality streaming, immersive experiences, and multisensory content.

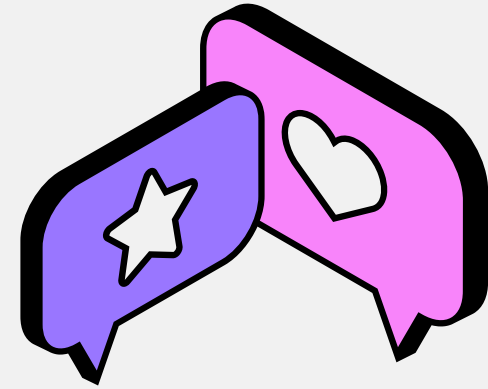
Does 5G technology really pose health risks?

How safe is 5G?



Experts have expressed that there are no factual bases for claims that say 5G poses risks to people's health though more studies on 5G can be valuable. Consumers also need to be educated more on how 5G works.





**5G can change everything,
but there needs to be a
comprehensive information
campaign for businesses
and consumers.**

Trends and the Future of Telecommunications

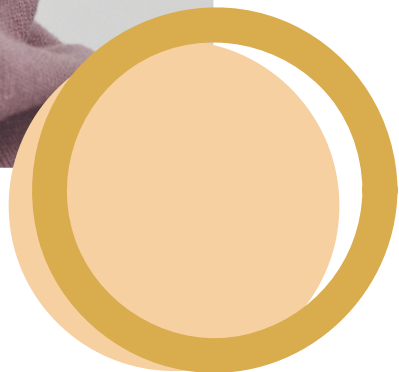
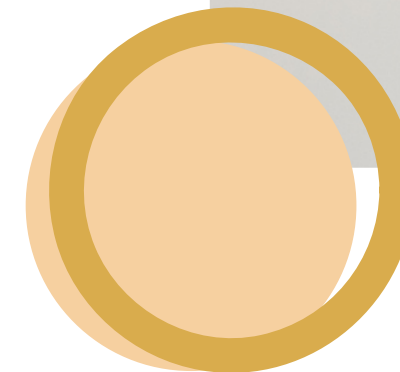
Increased reliance on AI and machine learning

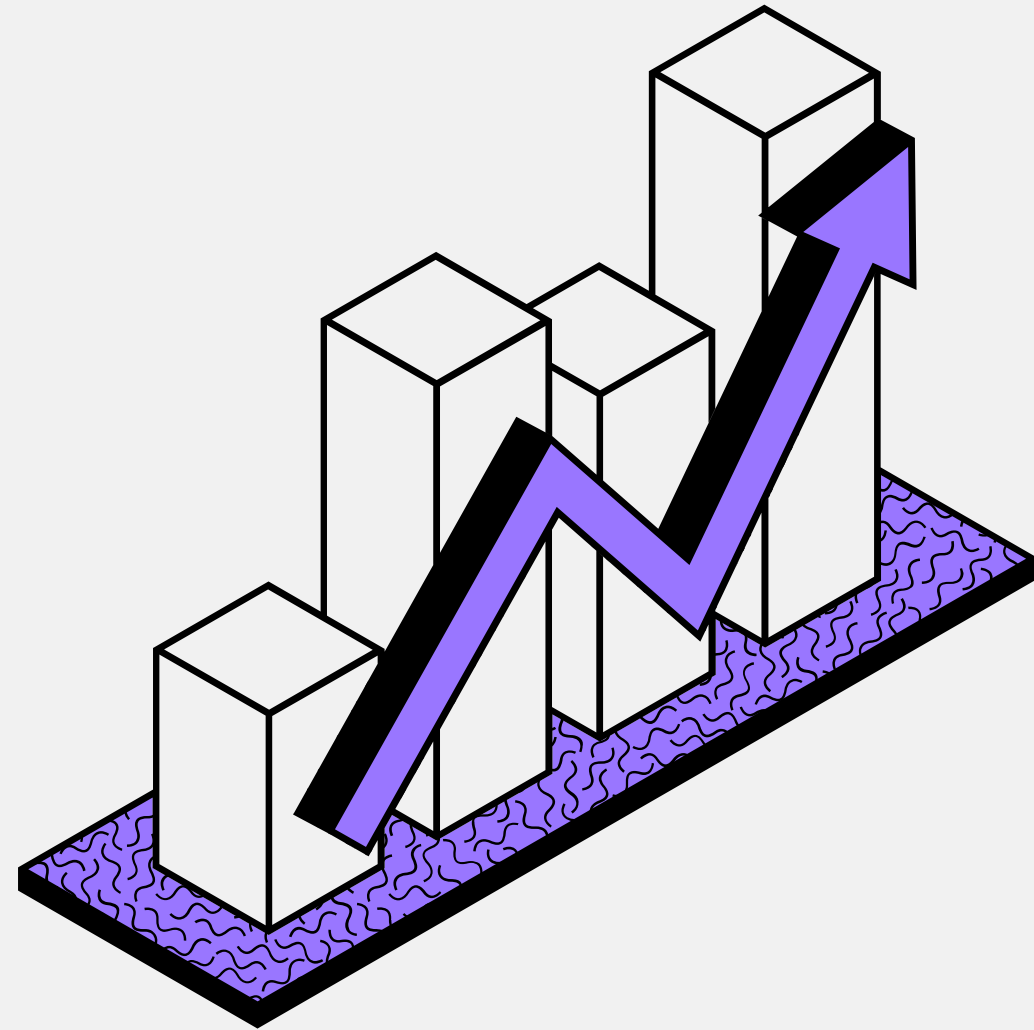
Cloud platforms

Influx of IoT devices

Diversified ecosystems

Smart cities





The network of the future is already being built as we speak. 5G is an important part of that.

EBEN ALBERTYN

