

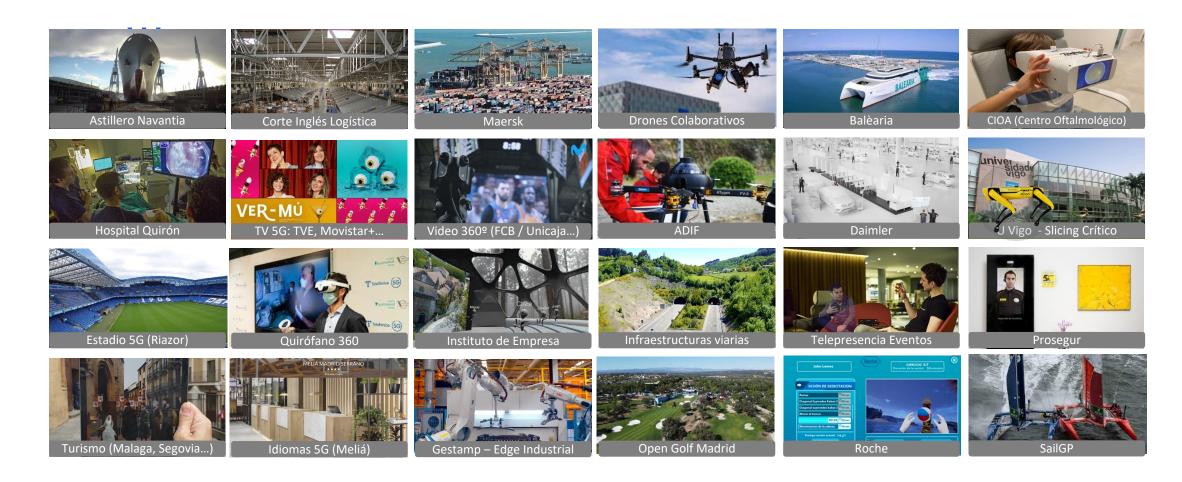
The next 5G

Standalone (SA), mmWave and Network Slicing for real use cases





More than 90 5G innovation projects with customers



¡ But this is far from done!





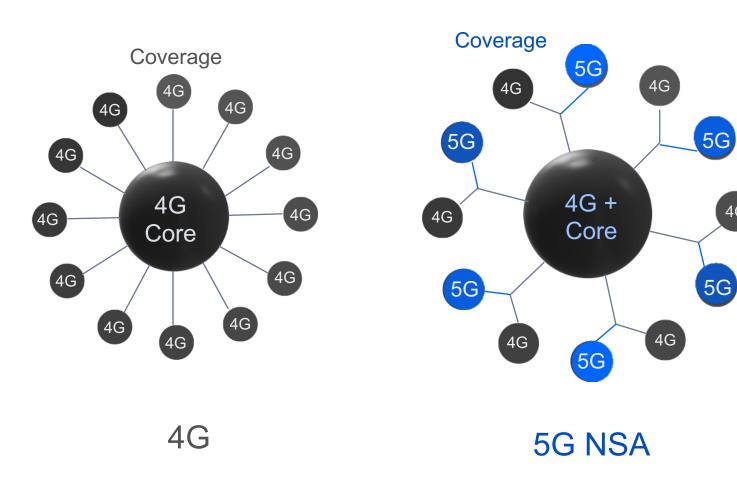
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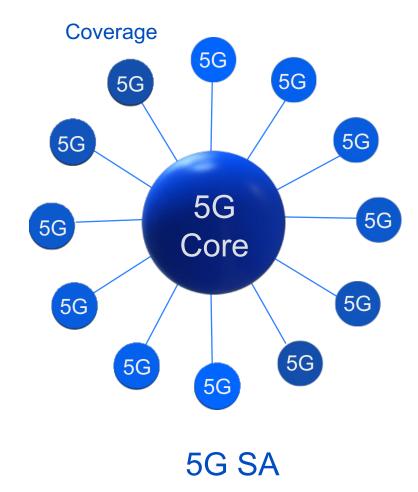
Next

5G



But ... ¿What is 5G Standalone (SA)?







What's new in 5G SA



• More reliability and predictability (uRLLC): the occasional 1 ms is not useful. We need predictability.

- Network Slicing: Network "lanes" or partitions dedicated to specific services. The key feature to ensure critical services have the resources they need to run smoothly.
- Ability for Massive Connectivity (mMTC). Up to 1 million per Km2
- Simpler coverage planning than with NSA: There's no need to combine 4G bands like in NSA. This would allow certain improvements like, for instance, take profit of the larger coverage footprint of the 700 MHz band.







SA

700 MHzPrivate Network







26 GHZ



Telefónica is the only Spanish operator that has obtained a full 1 GHz spectrum at the 26 GHz auction



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- We understand this frequency band as an essential asset in the pursue of a sound 5G strategy
- It shows Telefónica's commitment in the development and leadership of a solid and future proof 5G ecosystem.
- Telefónica will be the fist operator in reaching speeds like 5 Gbps downlink and 1 Gbps uplink.







Why is this band so important?

- ¡ Bandwidth!
- Uplink
- Low Latency
- Slicing
- Massive connections









And what about Network Slicing?







Network slicing on 5G SA public network

Pioneering experience

 1st hotel with 5G indoor coverage and network slicing on public network in Europe.

Uses cases for the hotel:

- Network slicing
- Simultaneous translation







Live Demo!

With Network slicing

