

Building a fully connected world is not easy!

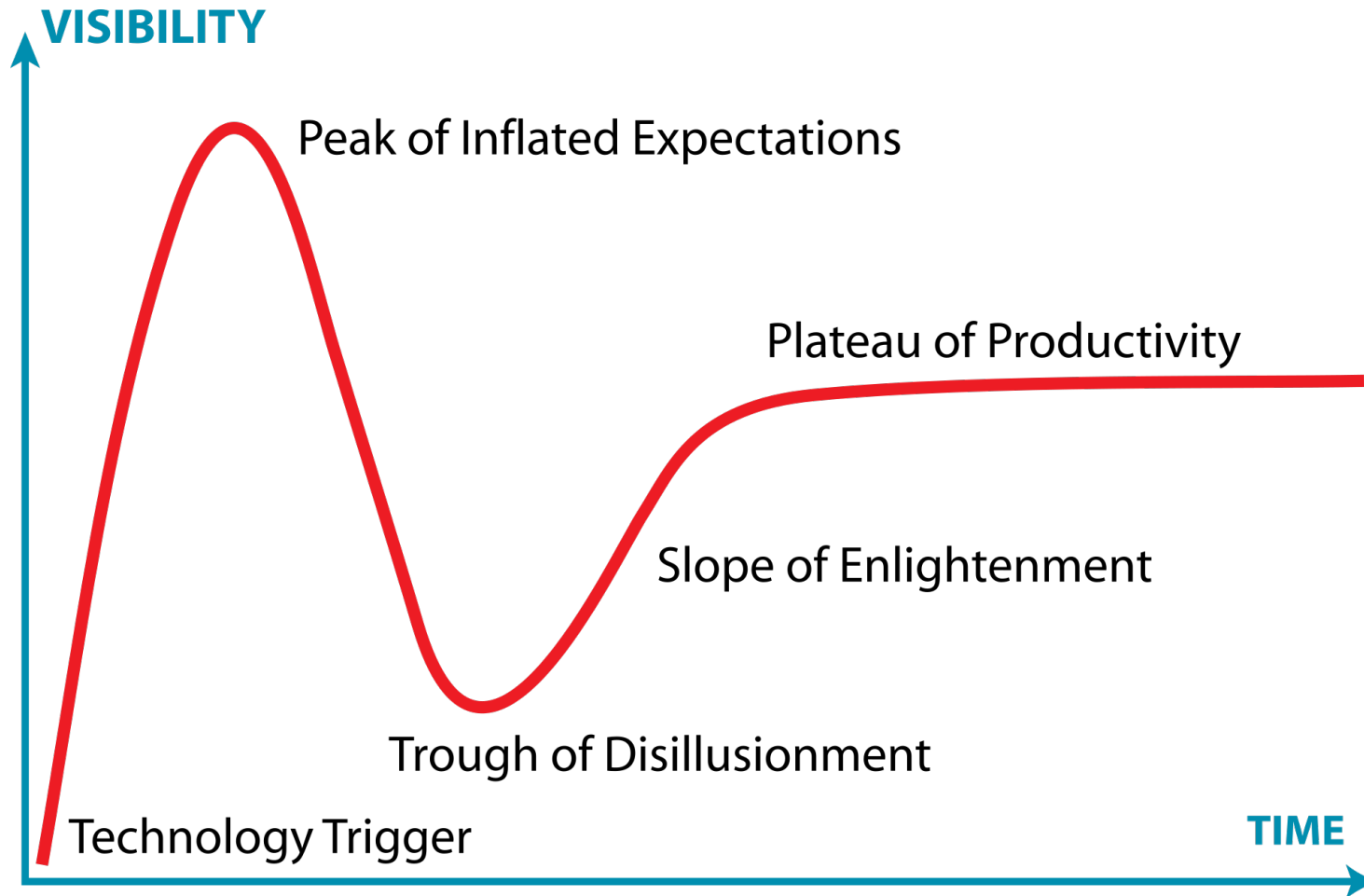
We are here to help ...

**5G overhype & the roadmap to 6G...**

*Dimitris Kolokotronis*

# Gartner hype cycle

The user expectations and the vendor marketing create a huge delta from what the actual availability of product is... Where is 5G today?



## Five phases [\[ edit \]](#)

Each hype cycle drills down into the five key phases of a technology's life cycle.

No.	Phase	Description
1	Technology Trigger	A potential technology breakthrough kicks things off. Early proof-of-concept stories and media interest trigger significant publicity. Often no usable products exist and commercial viability is unproven.
2	Peak of Inflated Expectations	Early publicity produces a number of success stories—often accompanied by scores of failures. Some companies take action; most do not.
3	Trough of Disillusionment	Interest wanes as experiments and implementations fail to deliver. Producers of the technology shake out or fail. Investment continues only if the surviving providers improve their products to the satisfaction of early adopters.
4	Slope of Enlightenment	More instances of how the technology can benefit the enterprise start to crystallize and become more widely understood. Second- and third-generation products appear from technology providers. More enterprises fund pilots; conservative companies remain cautious.
5	Plateau of Productivity	Mainstream adoption starts to take off. Criteria for assessing provider viability are more clearly defined. The technology's broad market applicability and relevance are clearly paying off. If the technology has more than a niche market then it will continue to grow. <sup>[2]</sup>

***We are entering the Trough of Disillusionment phase (Phase 3)...***



**The Washington Post**  
*Democracy Dies in Darkness*

**HELP DESK** **Tech in Your Life** Future of Work Your Data and Privacy Internet Access What's New Ethical Issues Ask a Question

# 5G was an overhyped technology bust. Let's learn our lesson.

Not every new technology changes our lives. And that's fine.



By Shira Ovid

Updated June 13, 2023 at 5:24 p.m. EDT | Published June 13, 2023 at 11:15 a.m. EDT

*What the 5G technology hype promise? – A super-connected world...*



# *What users do with 5G today? – Still watch videos on Instagram!*

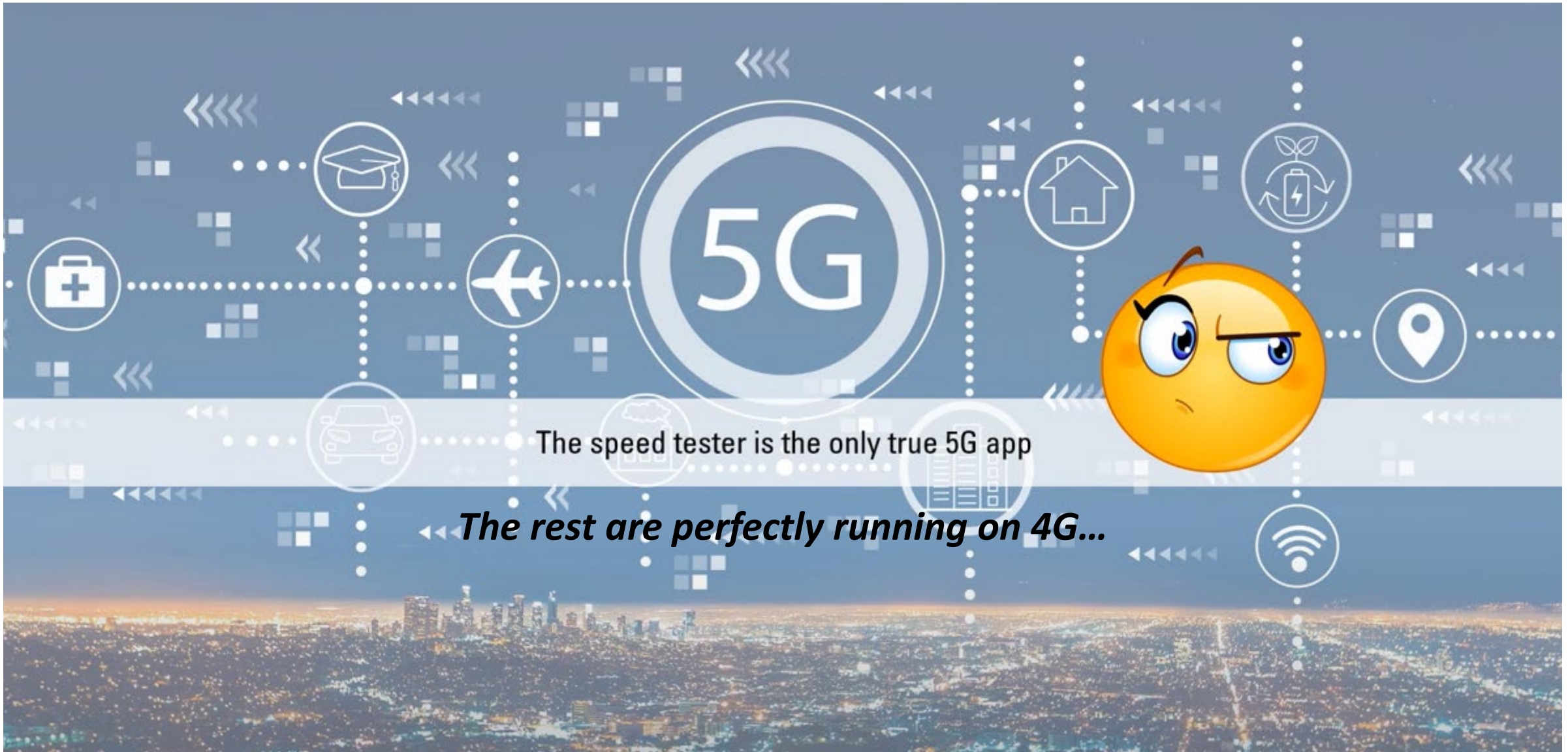
 LightReading

T-Mobile CEO: 5G smartphones are still the 5G killer app

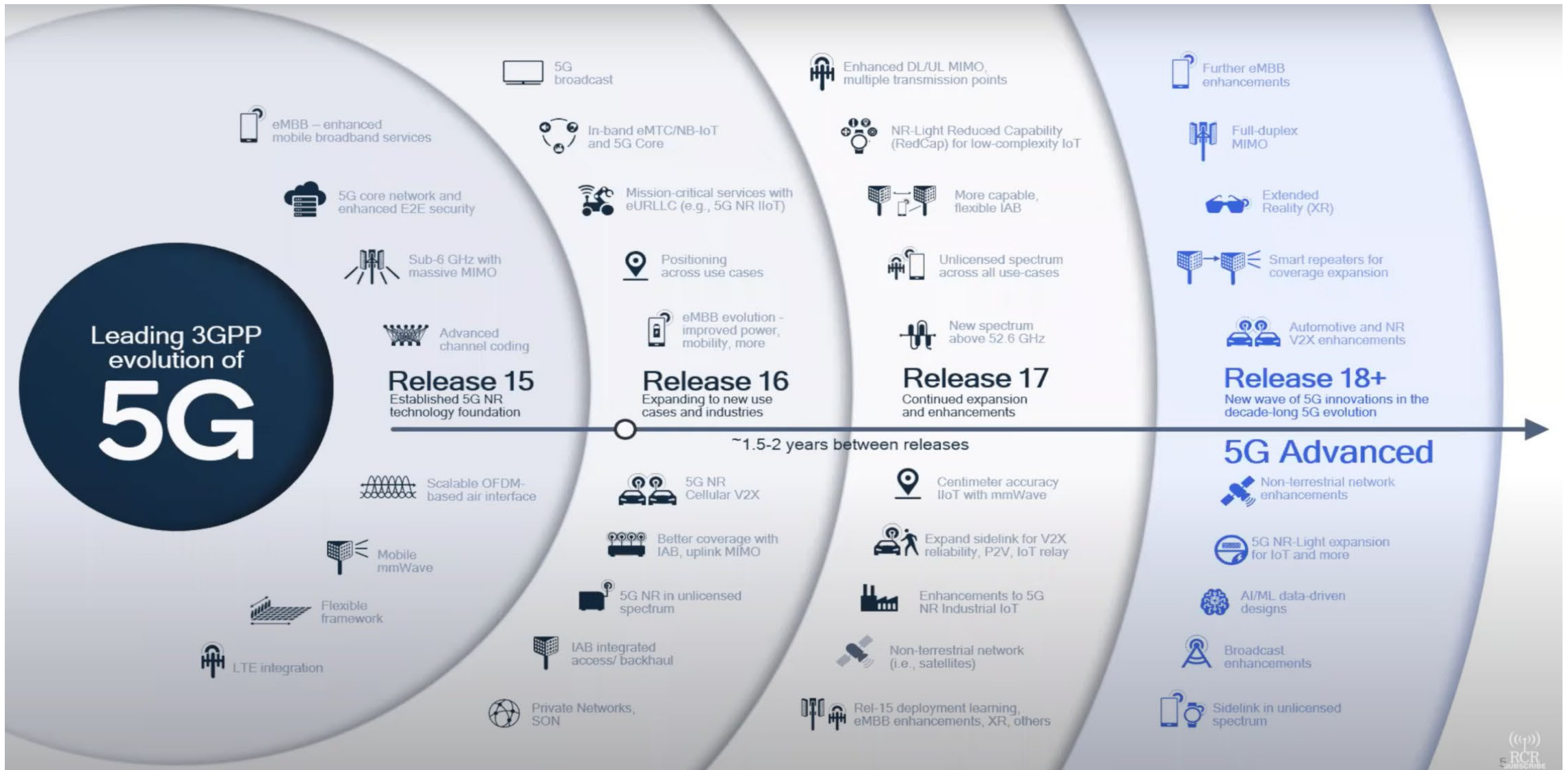


T-Mobile CFO Peter Osvaldik and CEO Mike Sievert.

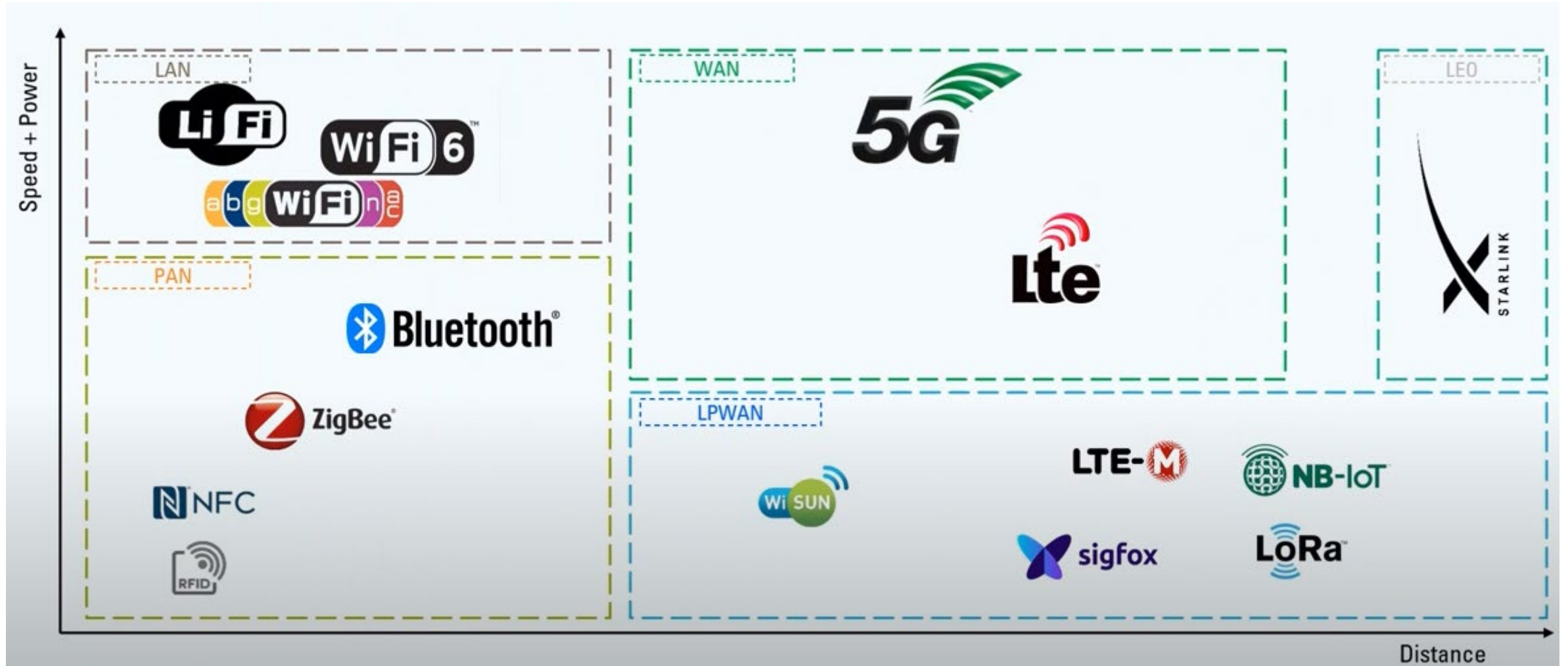
# *What is the killer app for 5G today?*



# Nothing in the 5G technology 3GPP specs is earth-shattering!



# Numerous Technologies – Complementary to 5G connectivity...







# *What is the 5G technology role in the super-connected world?*



# ***Where & what 5G technology will be connecting and why 5G?***

- *Indoor vs outdoor → Outdoor*
- *Static vs mobile → Mobile*
- *Low mobility speed vs high mobility speed → High speed*
- *Urban vs rural → Urban*
- *Remote vs central → Remote*
- *High bandwidth vs low bandwidth → High bandwidth*
- *Low latency vs high latency → Low latency*
- *Massive vs small → Massive*

***Yes, 5G is a mobile communication network technology after all!***

# *Massively Connecting Things vs Intelligently Connecting Things*



5G's killer app will be

6G



Building a fully connected world is not easy!

We are here to help ...

**Thank you for listening**