5G Momentum Webinar
Solutions driven by Edge Connectivity

2021

What's going on?

German Telecom Regulator awards 5G private network licenses in the 3.7GHz to 3.8GHz band

Posted on *September 25, 2020* by *Alan Weissberger*

Germany's telecommunications regulator **Bundesnetzagentur** (Federal Network Agency or BNetzA) announced earlier this week that it has awarded 74 licences to applicants for deploying **private 5G networks** (called "campus or local networks" in Germany, or "lokale Netze") using 3.7GHz-to-3.8GHz spectrum. This more than doubled the 33 licences it had awarded as was announced in April.

BNN Bloomberg

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TECHNOLOGY | News Wire | Company News | Investing   Nov 12, 2020

Cellnex Agrees to Buy Hutchison Towers for $12 Billion

Thomas Pfeiffer, Bloomberg News

Cellnex closes Polkomtel infrastructure deal

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🕐 09 JUL 2021
AUTHOR

Yanitsa Boyadzhieva

Yanitsa joins Mobile World Live as a Reporter based in London. She has more than 5 years' experience at various media outlets in her home country Bulgaria. She started her career as a political reporter, followed by taking editor roles...

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22 NOVEMBER 2021

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HERE'S HOW OPEN RAN IS PLAYING ITS PART IN THE BIGGEST CHANGE TO TELECOMS IN DECADES.

Whilst some traditional vendors are more keen than others to welcome Open RAN's emergence, no one can deny it has shaken up the future of telecoms. In this article, we'll briefly touch upon the diversity that Open RAN brings to the telecommunications market, how this has affected recruitment and what we believe will be the impact going forward.

" Industry 4.0 will pick up as soon as more spectrum is available, and the ecosystem matures further to support it.
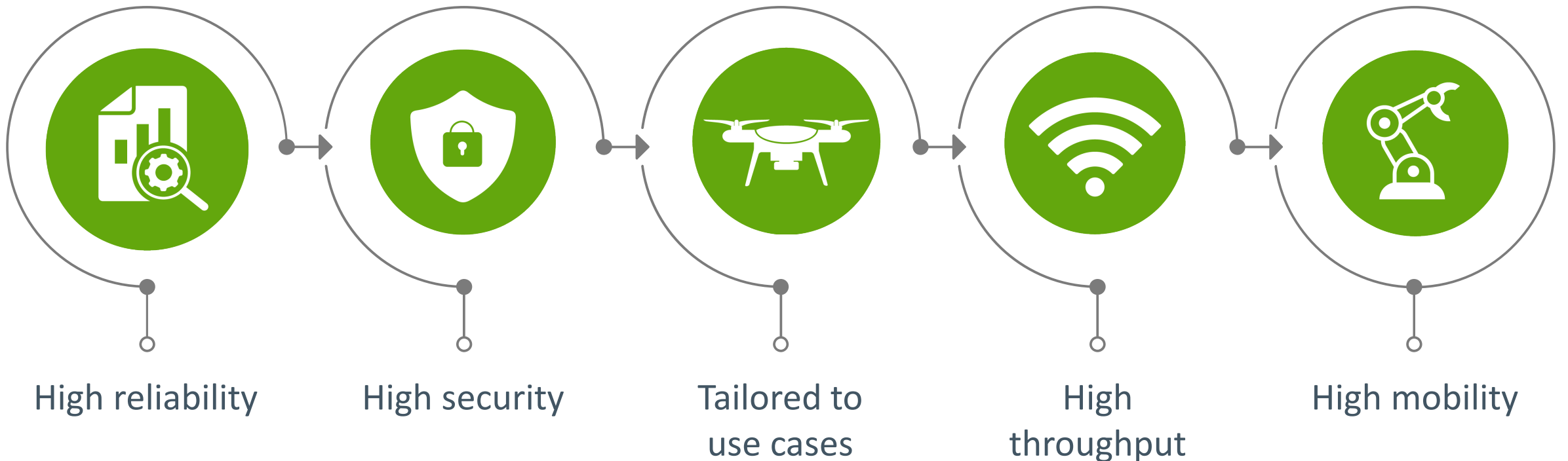
At that point, **manufacturing will be the main sector of 5G Private Networks.**

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a company of **cellnex**

Key 5G drivers on Private Networks

1 **Industrial transformation** is underway; COVID has accelerated the process in some sectors.

2 **Demand for private LTE/5G networks is increasing,** led by the manufacturing and transport sectors.

3 New spectrum regimes are **facilitating the adoption of private 5G networks.**
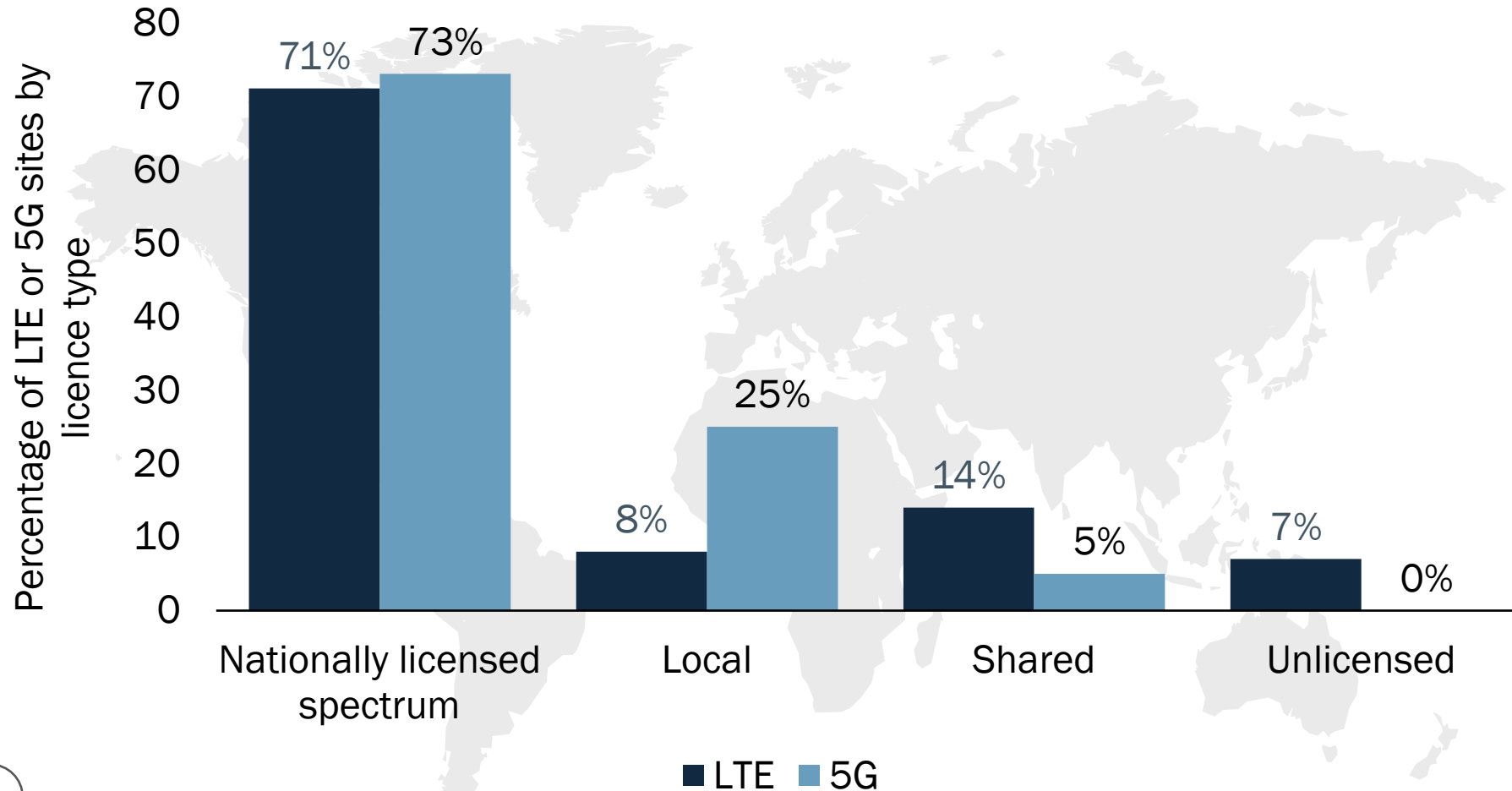
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Source: Analysys Mason

Key aspects of Private 5G Networks

to Customer Enterprise

High reliability

High security

Tailored to use cases

High throughput

High mobility

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Source: Analysys Mason

Selected regulators worldwide
are making spectrum available for industrial use cases

Percentage of LTE or 5G sites by licence type

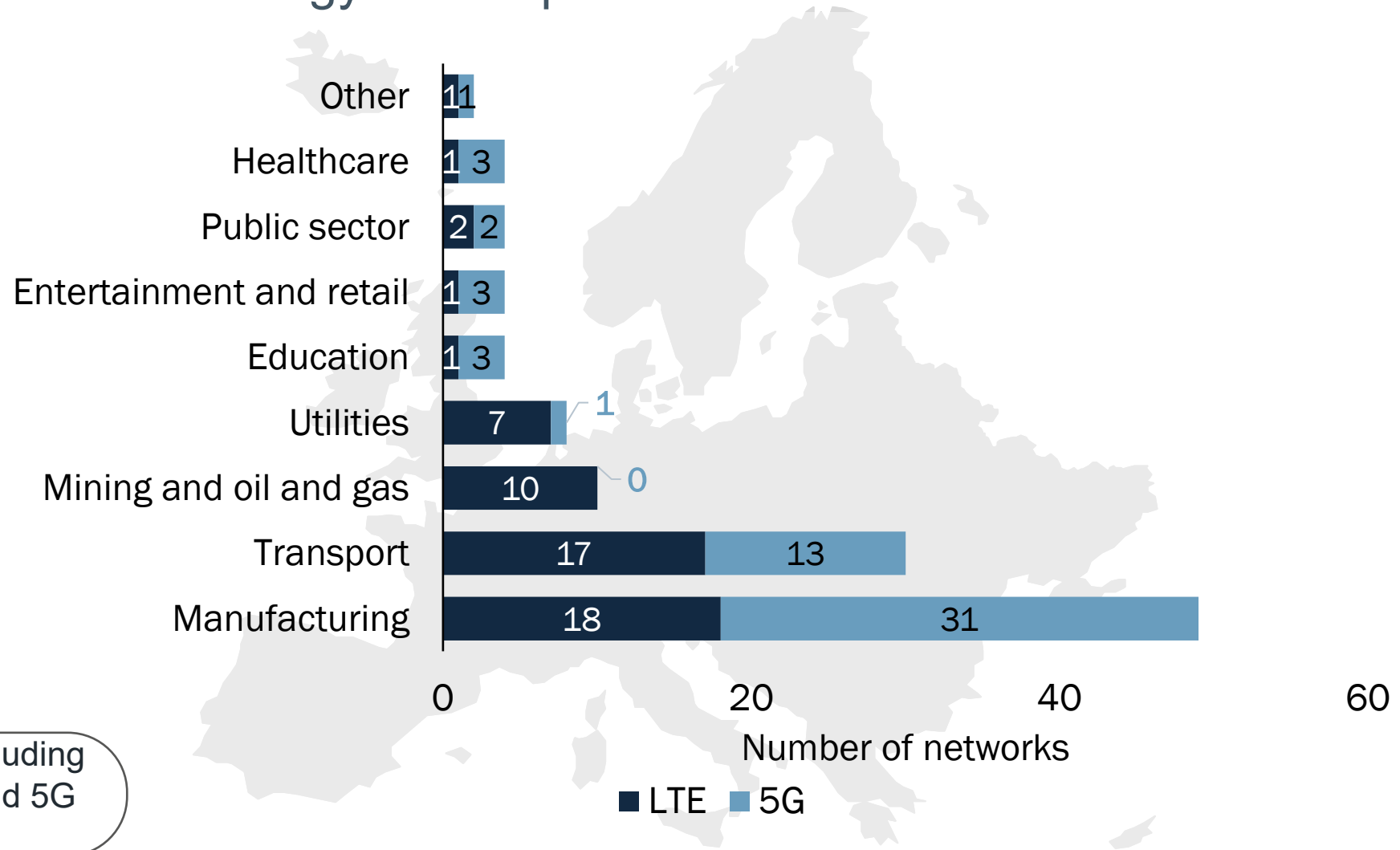|	Nationally licensed spectrum	Local	Shared	Unlicensed
LTE	71%	8%	14%	7%
5G	73%	25%	5%	0%

■ LTE ■ 5G

256 networks

Analysys Mason Private Networks Tracker 3Q 2021

Private 5G in the Manufacturing Industry

early adopter of 5G technology in Europe

120 networks excluding combined LTE and 5G networks

LTE | 5G

Number of networks

Category	LTE	5G
Other	1	1
Healthcare	1	3
Public sector	2	2
Entertainment and retail	1	3
Education	1	3
Utilities	7	1
Mining and oil and gas	10	0
Transport	17	13
Manufacturing	18	31

Benefits of Private 5G Networks

to the Industry

5G Private Networks solves Mobile Communications challenges that Enterprises have in demanding **on-field operations**

24/7/365 continuity
of business critical operations and communications

Max data privacy & capacity
data stays on site & more devices are connected

Seamless mobility
and handover of connected assets

Max control and security
for the customer

Our 5G Private Networks

References

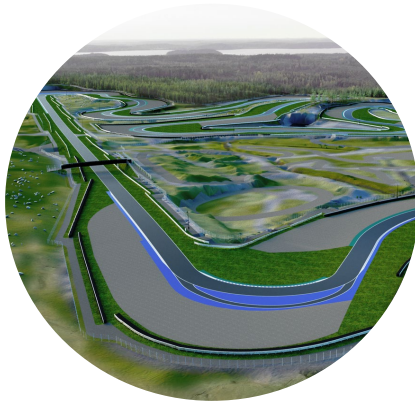**KONECRANES**

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More info here

Key predictions for enterprise Edge Connectivity

- Innovative regulators in competitive economies continue to make significant spectrum available for industries.

- Core and RAN are commodity – web scalers and Open RAN will accelerate the trend

- Open RAN is not ready for enterprise before 2025-2027

- The complexity is in design, build & operate

- Connectivity is Board level matter – and a key cornerstone of digitalization

Thank you