

Unleash the power of easy



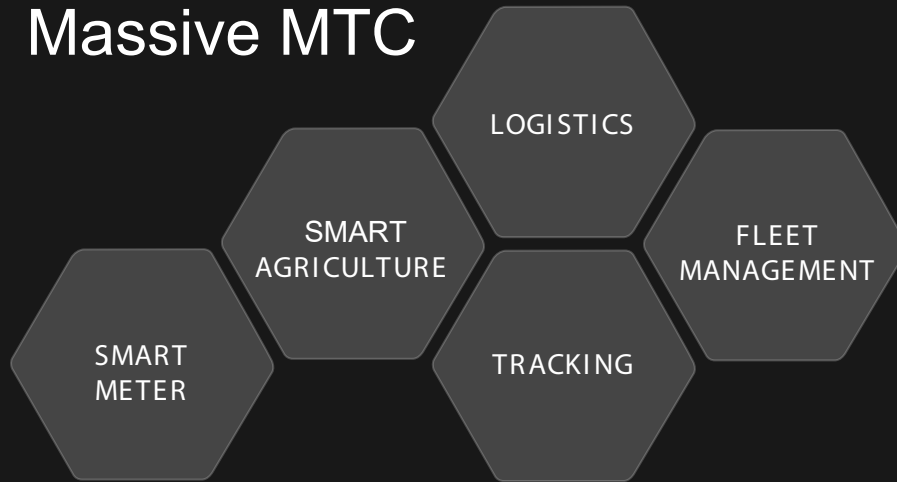
Switch on 5G madeeasy

- Evangelia Tzifa
- Radio Networks, Greece and Cyprus

5G is use case driven



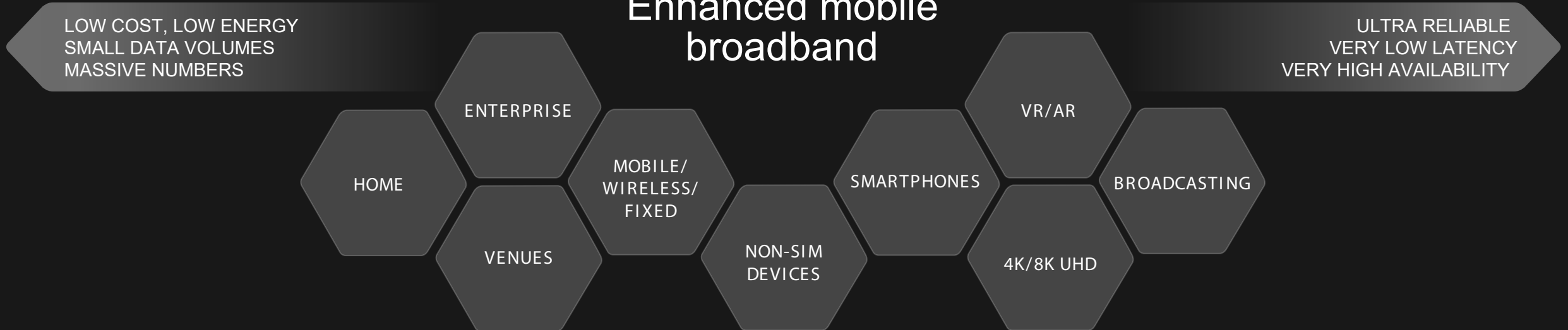
Massive MTC



Critical MTC



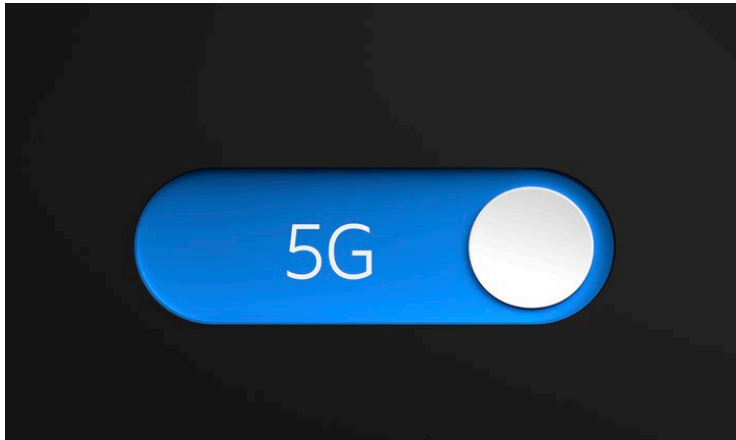
Enhanced mobile broadband



LOW COST, LOW ENERGY
SMALL DATA VOLUMES
MASSIVE NUMBERS

ULTRA RELIABLE
VERY LOW LATENCY
VERY HIGH AVAILABILITY

2019: Start of major 5G deployments



5G 2019

5G networks are going live
with increasing momentum

2024: **1.5b** subscriptions



x5

increase of total mobile data
traffic by 2024
25% over 5G networks (1.3x)



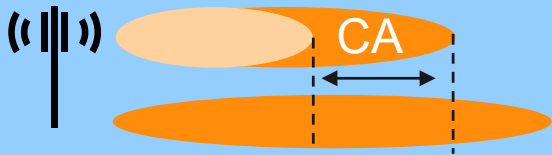
4.1 billion

Cellular IoT connections
by 2024
x4

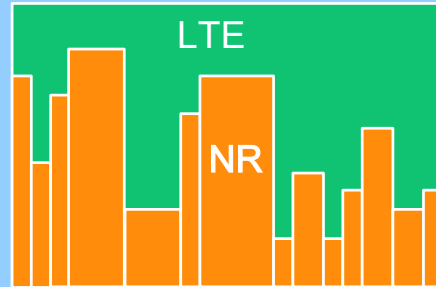
Key technology enablers for 5G



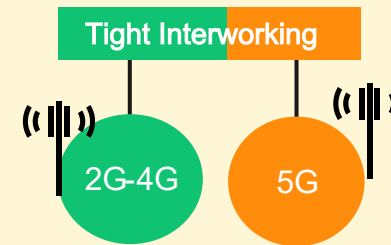
Carrier Aggregation



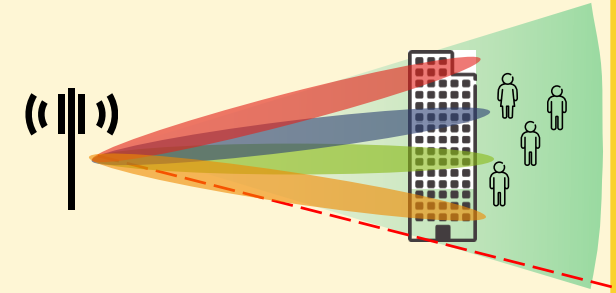
Spectrum Sharing



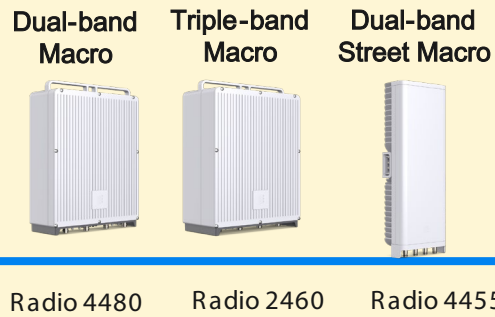
Dual-Mode Core



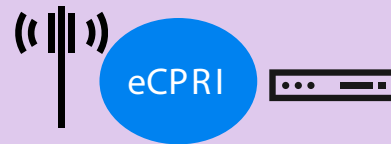
Massive MIMO



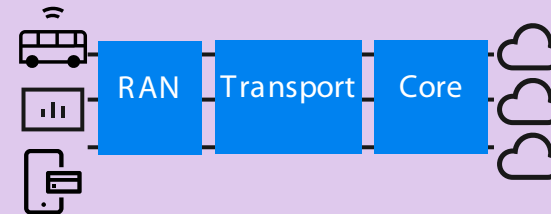
Multi-band Radios



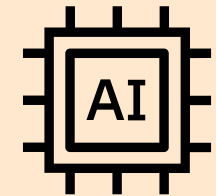
Fronthaul



Network Slicing



AI / ML



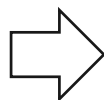
Performance boost in 4 dimensions

5G Network Evolution

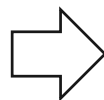
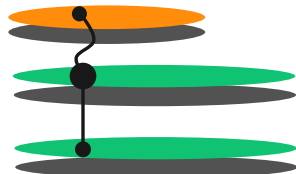
Fully utilize all spectrum assets



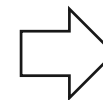
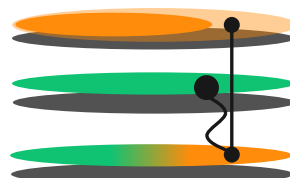
Baseline



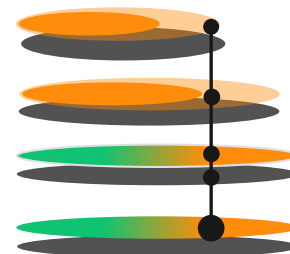
Add NSA 5G



Add 5G coverage



Full capacity



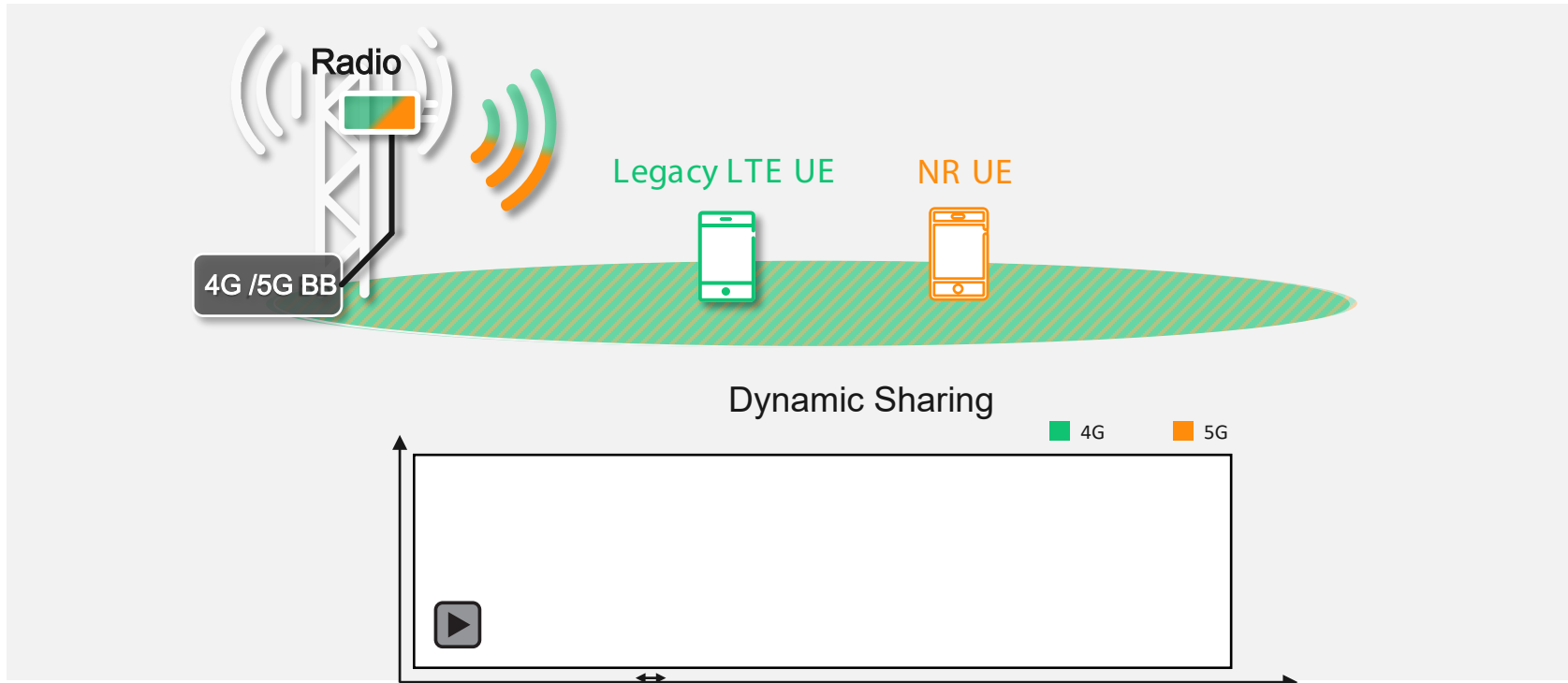
■ 2G; 3G
■ 4G ■ 5G

Connect all spectrum assets

Make all 4G spectrum 5G spectrum with
Ericsson Spectrum Sharing

Prepared for your future deployments

Ericsson Spectrum Sharing



Dynamically share spectrum between 5G and 4G

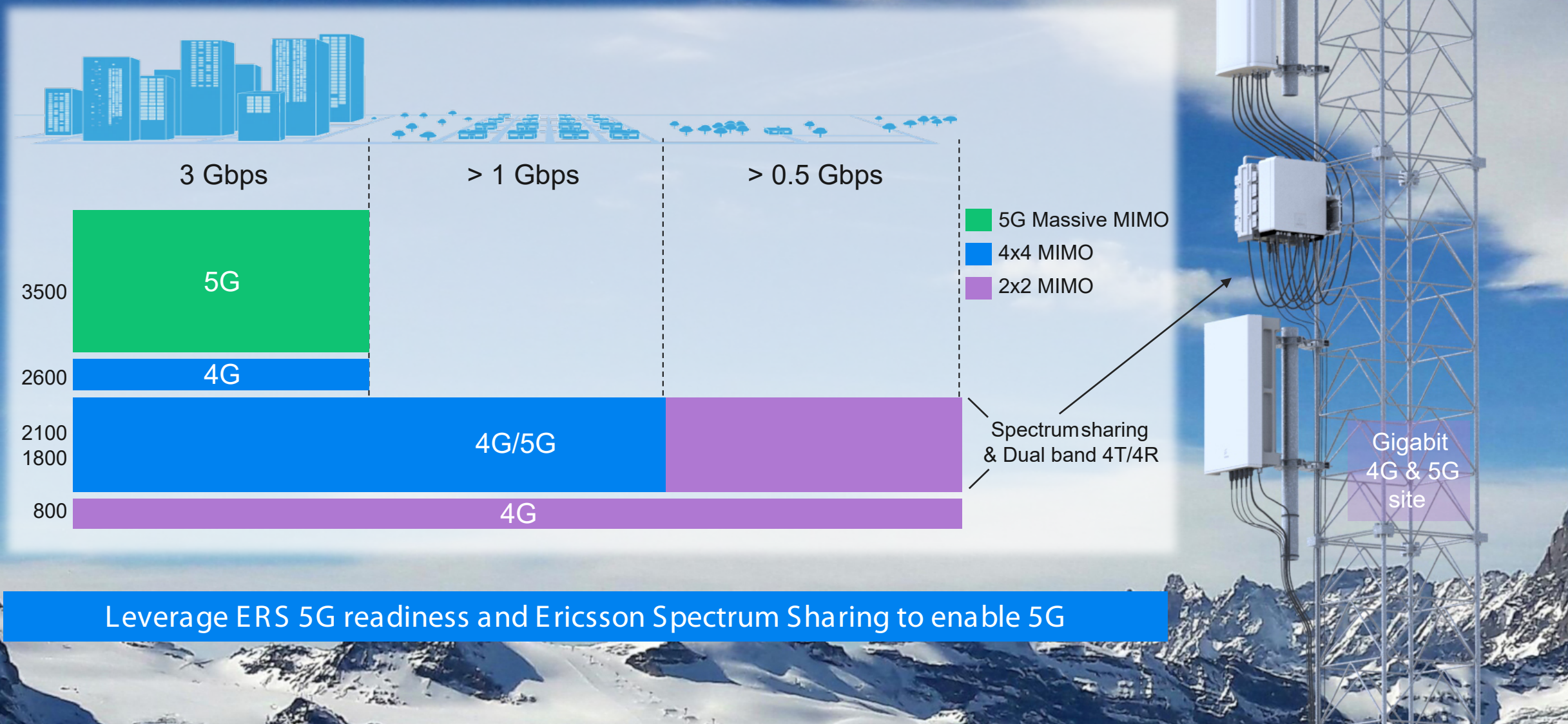
Nationwide 5G coverage
Minimum impact to LTE performance

Increase the value of mid/high-band spectrum
Increase coverage and capacity

NR coverage with
LTE capacity

Network deployment strategy

Leading European Operator



Leverage ERS 5G readiness and Ericsson Spectrum Sharing to enable 5G



Street Pole

Street Micro

Street Macro

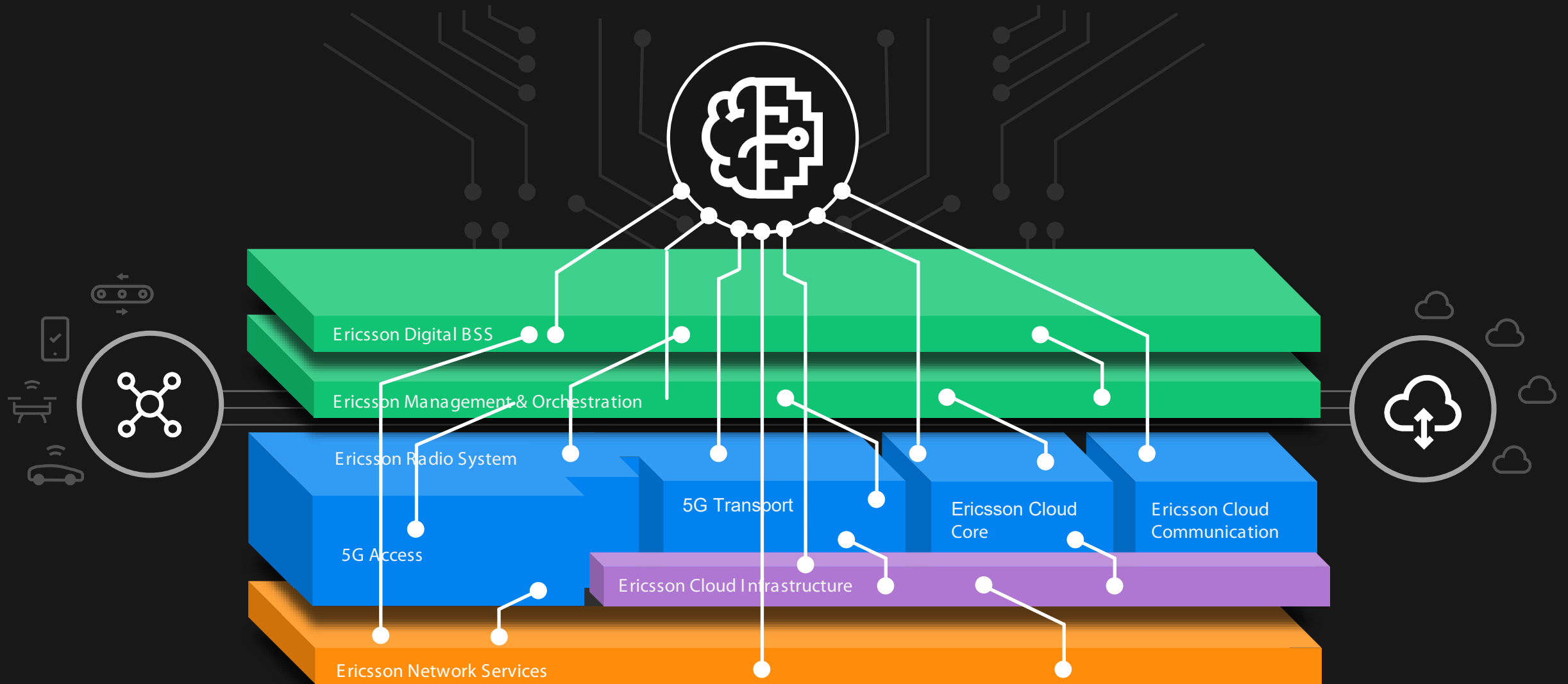
Street Vault

Street Strand

Street Enclosure

5G in a City

Ericsson 5G Platform



Ericsson leading 5G

21

5G commercial contracts
(publicly announced together
with customers)

3 million

5G HW prepared radios
shipped *

** up to December 2018*

#1

contributor in 3GPP for 4G
and 5G

First

Successful interoperability
tests with 3rd party device
chipsets
1st commercial mmWave
& midband launches



Smooth network
evolution and
deployment at scale

5G





The need for
5G is here



Use cases and
business potential
exist



Ericsson makes 5G
introduction easy