

JOERI TRANCHET Managing Director Private 5G Citymesh

THE DAWN OF 5G - ALTERING THE HEALTHCARE DNA

TRACK 3: DIGITAL TRANSFORMATION ENABLES HEALTHCARE RE-INTEGRATION INTO SOCIETY

16:20 - 16:50





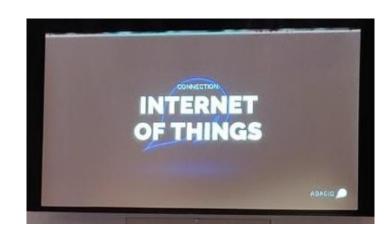
Path to



THE DAWN OF 5G - ALTERING THE HEALTHCARE DNA



THE ROLE OF THE DIGITAL AND THE PHYSICIAN IN PREVENTION OF DISEASES



THE ROLE OF HOSPITAL
NETWORKS IN DIGITAL
TRANSFORMATION: THE CASE
OF ELECTRONIC PATIENT
RECORDS

HEALTHCARE IN THE ERA OF INTERNET OF THINGS AND MACHINE LEARNING





WHAT ARTIFICIAL
INTELLIGENCE COULD MEAN
FOR THE HEALTH CARE
SECTOR

DXEWIRING HEALTH!

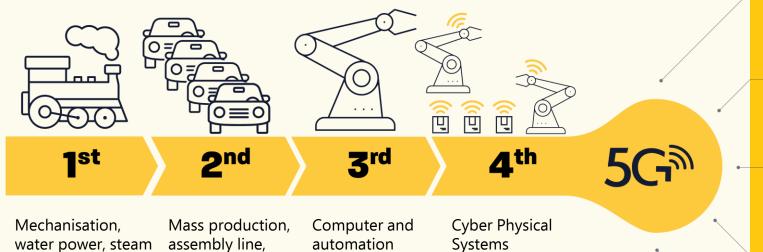
MOBILE HEALTH TECHNOLOGY, FROM BENCH TO BEDSIDE

CONNECTING THE DOTS - HOW DIGITALIZATION CAN DISRUPT DIABETES MANAGEMENT

THE HOSPITAL WITHOUT PATIENTS

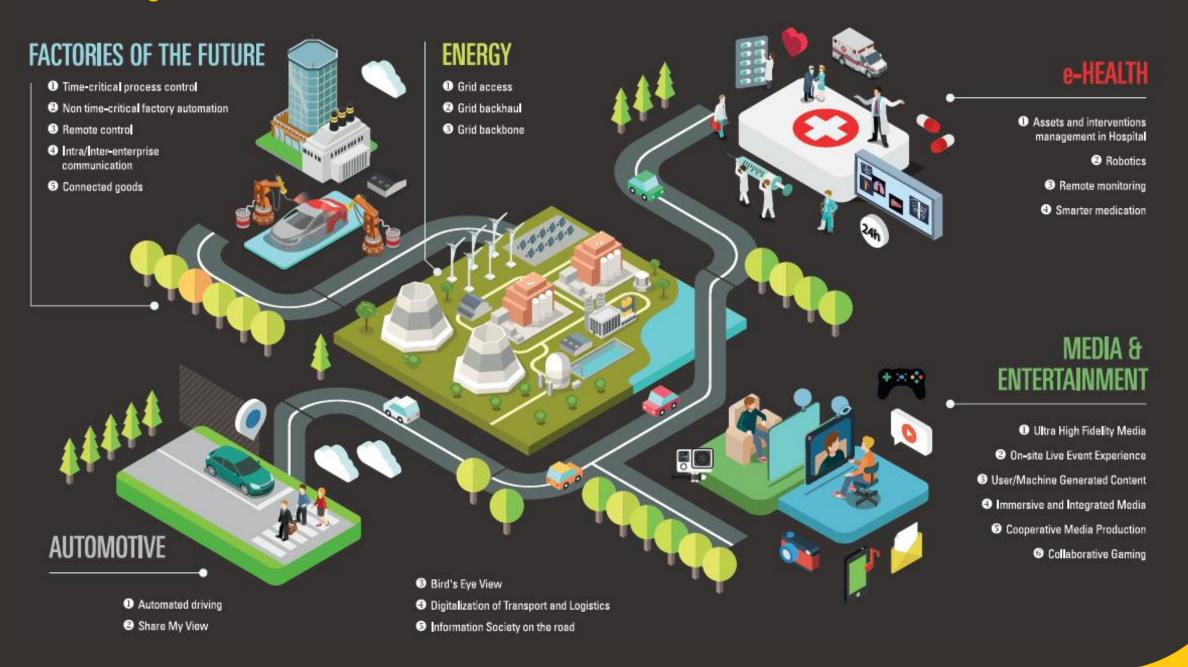


electricity



- In 2026, global revenu is forecast to reach US\$ 582 billion
- In 2035, enables US\$ 12.3 trillion of global economic output
- Will change the way we live and work
- Generates 22 million new jobs
- Contributes US\$ 3,500 billion to the world's GDP during 2020-2035

power





Requirements

Capacity

>10 Gbps peak rates 100 Mbps whenever needed



Connectivity

devices per km²⁹



New spectrum options



<3 Ghz, 3-6 Ghz, cm/mmWave

Massive MIMO & beamforming



Flexible air interface



1.000.000

Latency <1 ms Radio latency



Multi-connectivity

Aggregation & duplication

Cloud native & network slicing

New 5G technology building blocks

eMBB

URLLC

mMTC

Centralized & distributed

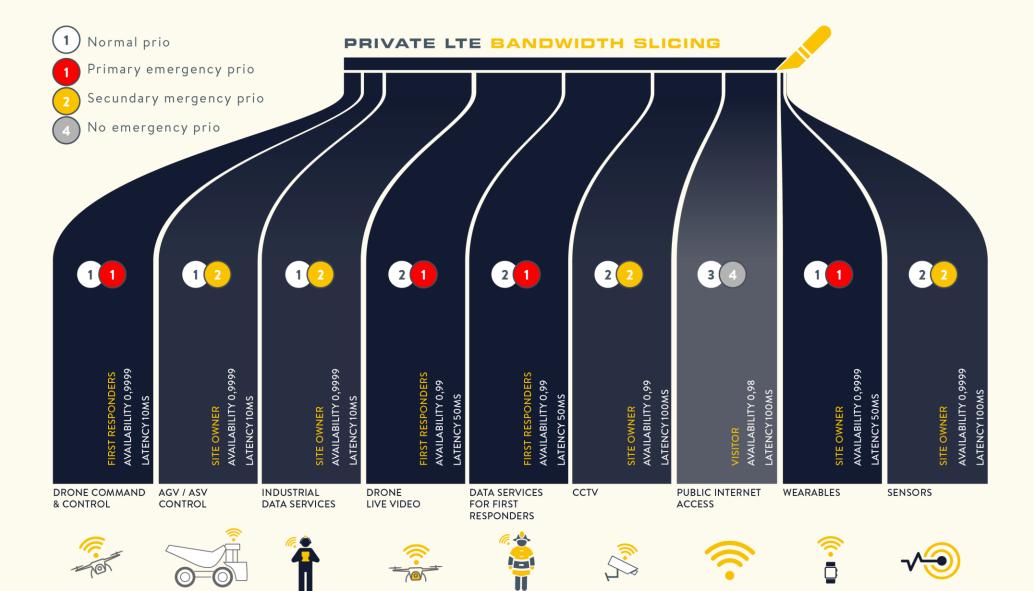
Connectionless communication



Efficient massive IoT

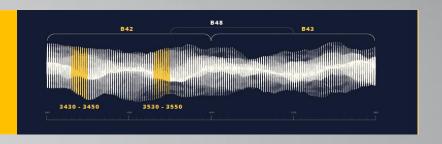
Reliability 10 years on battery







5G Spectrum
5G Technology & Software
5G Standard
5G End user devices

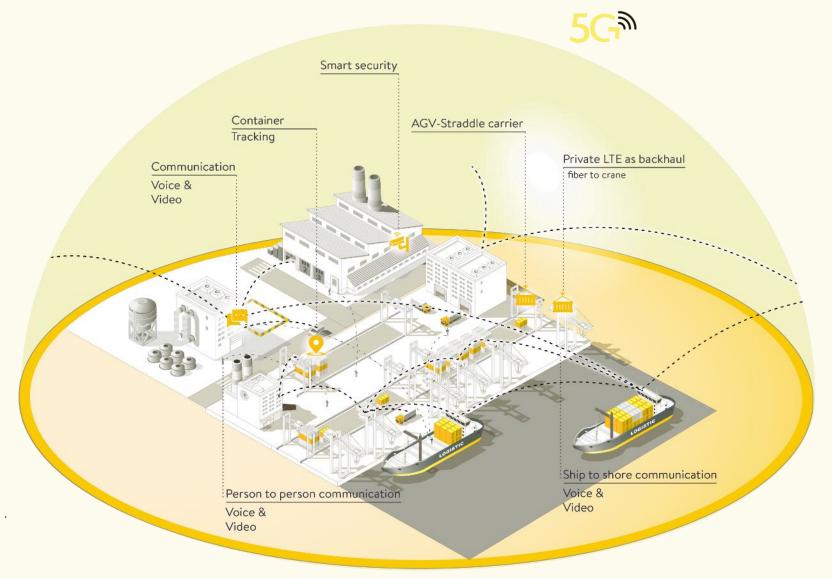




We're the only company in Belgium...
...with a 5G license

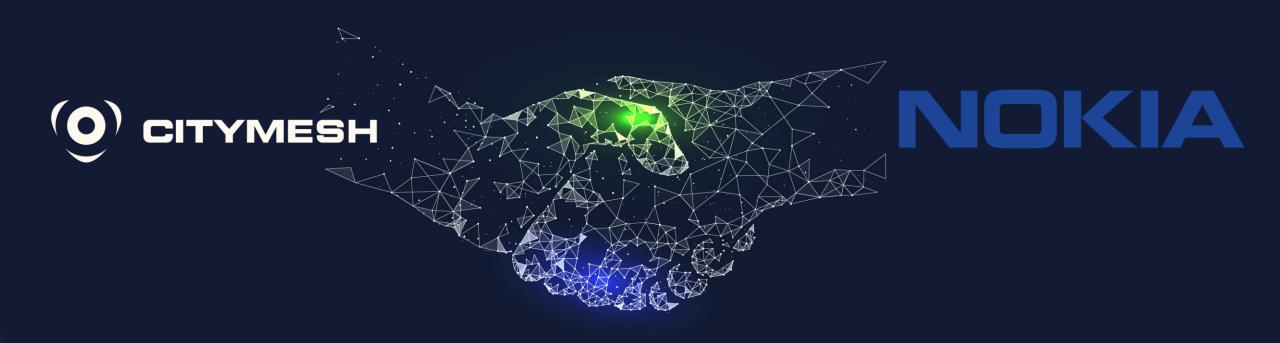


A private
network where
only you decide
and control
who/what may
use this network



Academy

Your path to 5G starts today



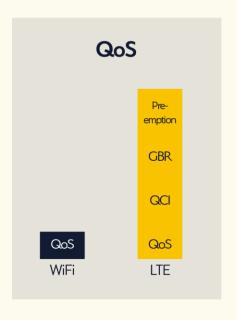
Strong partnership

Technology

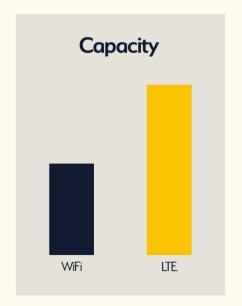
Software

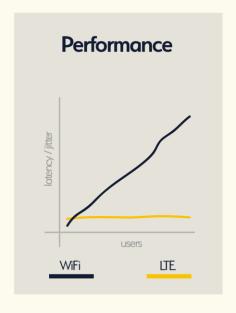
Security

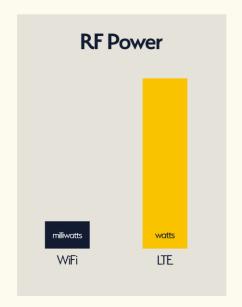


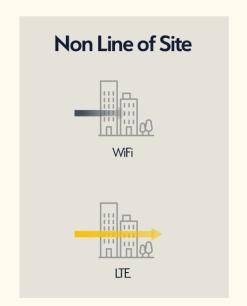




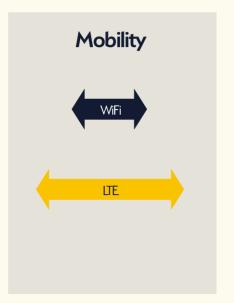














A private network where only you decide and control who/what may use this network







Supply chain Digital Twin Wearables



Telemedicine Wayfinding Remote Diagnosis Time tracking



Track & trace Predictive mtc Monitoring

M₂M

Alarm & Notification

H₂M





Robot Surgery Digital OR Medical Robots Lab Automation



IoT

Air quality Parking Temp Sound Footfall analytics



AR / VR

Video/Foto - EPD AR in Surgery VR for Rehab Smart Glasses CCTV - Sensoring

Robotics &

Automation



First responders Mobile unit data transfer HIS/LIS/RIS

Telehealth

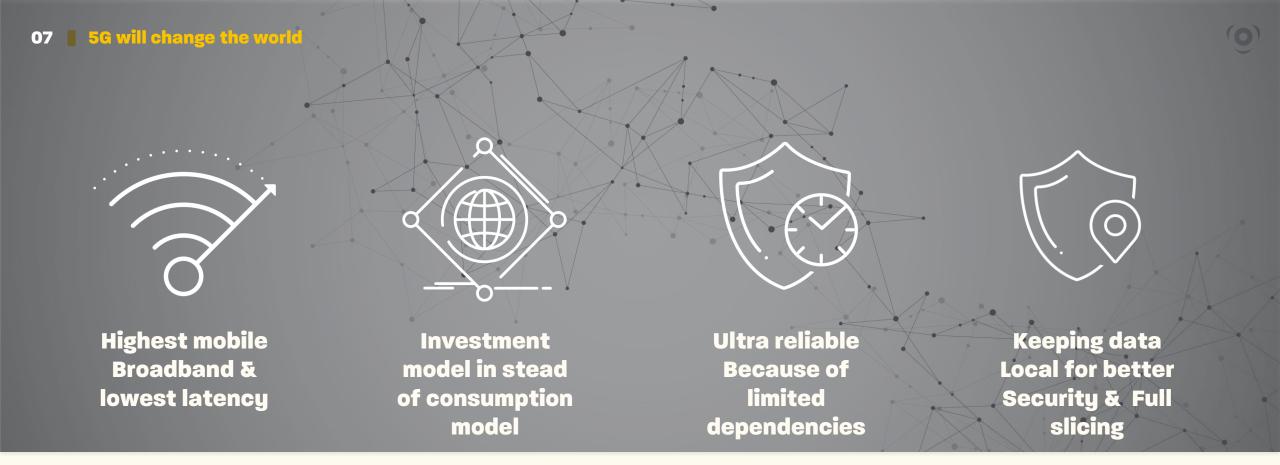
Mobility

Shuttle bus Automated Delivery Automated cleaning

Drones

AGV

Safety drones Security drones Transportation drones Anti-drone



Private 5G Advantages



Citymesh enabled Private 5G READY network in the North Sea











Thank you

Take advantage of 5G... TODAY

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