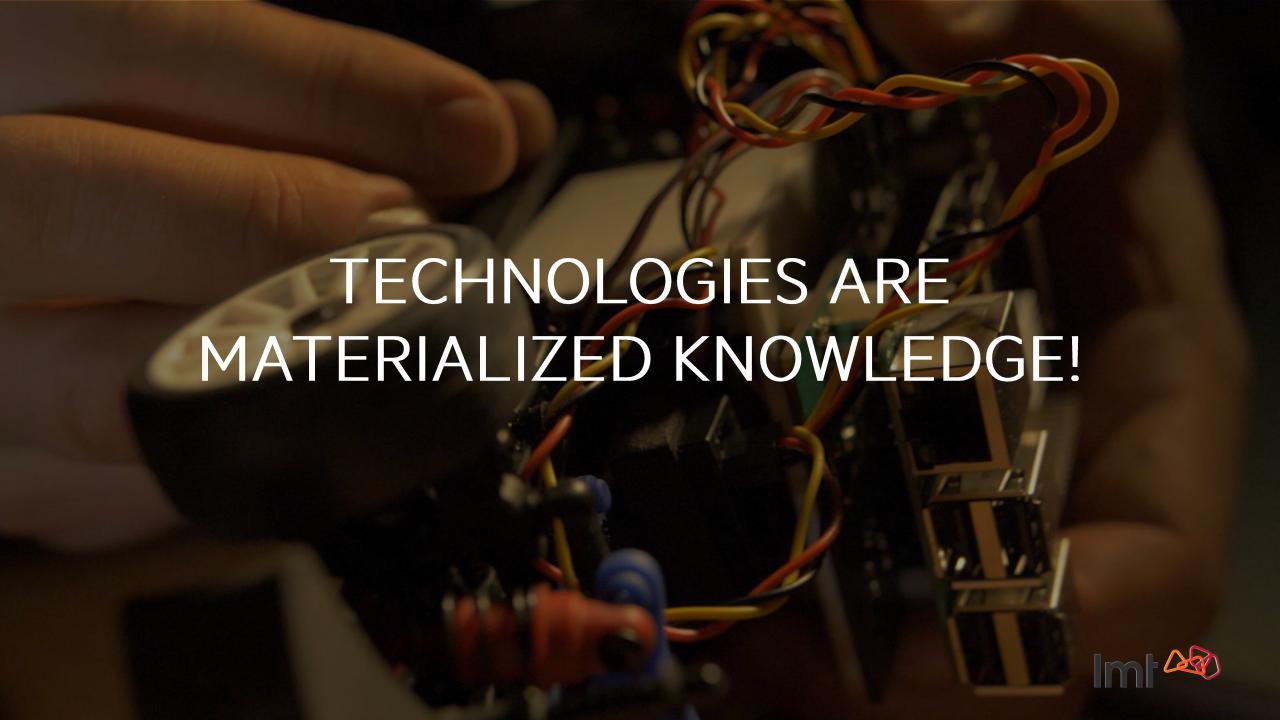


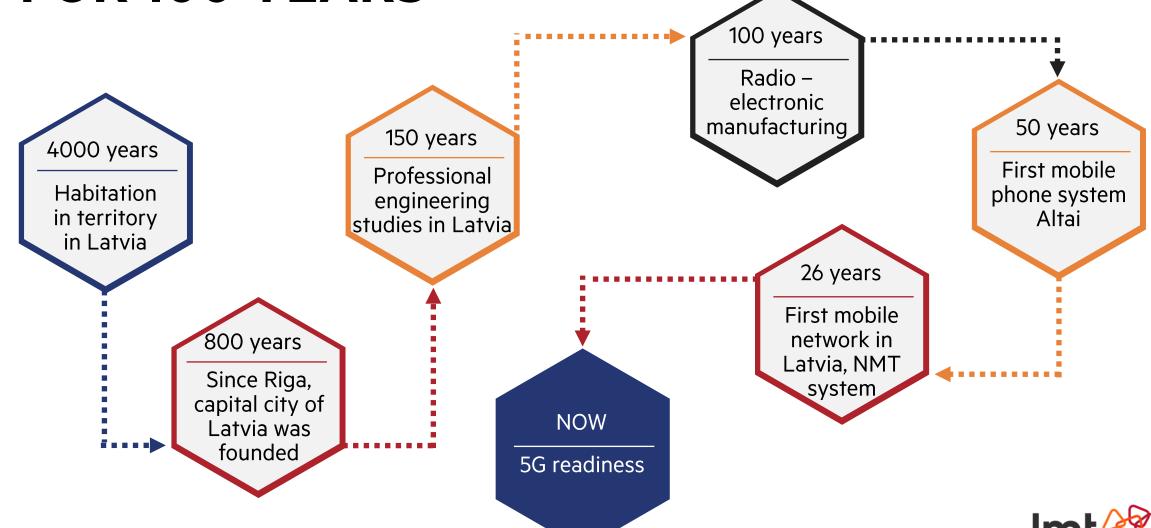
Arrival of 5G. Risks and opportunities.

EGONS BUŠS LMT SECURITY DIRECTOR





SUSTAINED TECHNOLOGY LEGACY FOR 100 YEARS



INDUSTRIAL REVOLUTIONS

1.0
Water and steam power is used to create mechanical production facilities

2.0 Electricity lets us create a division of labor and mass production 3.0
IT systems automate production lines further

4.0 IoT and cloud technology automate complex tasks





1900



2000



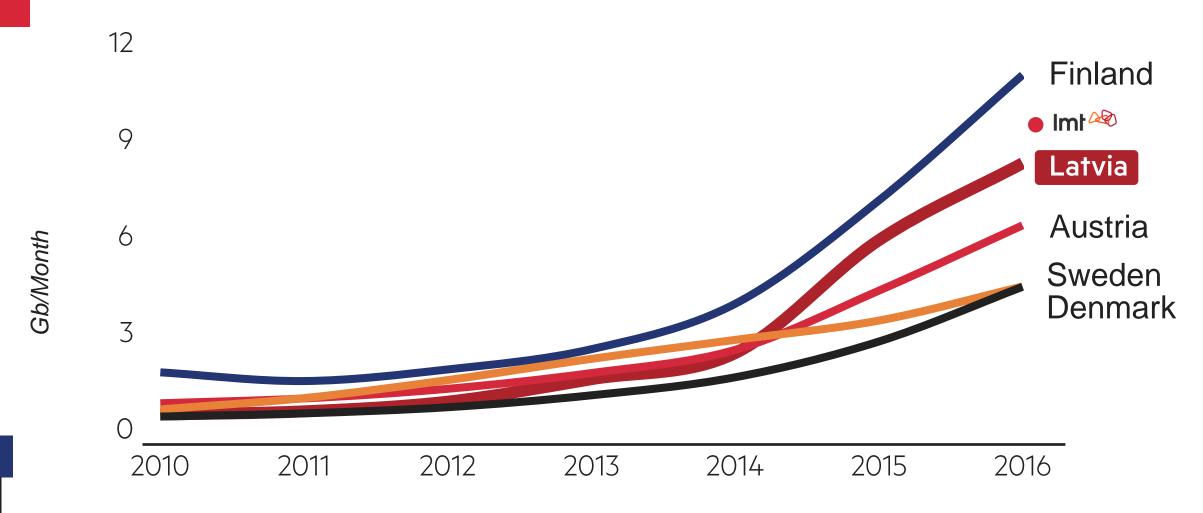
1800

1784 - First mechanical loom 1870 - First assembly line

1969 - First programmable logic controller First commercial IoT technologies



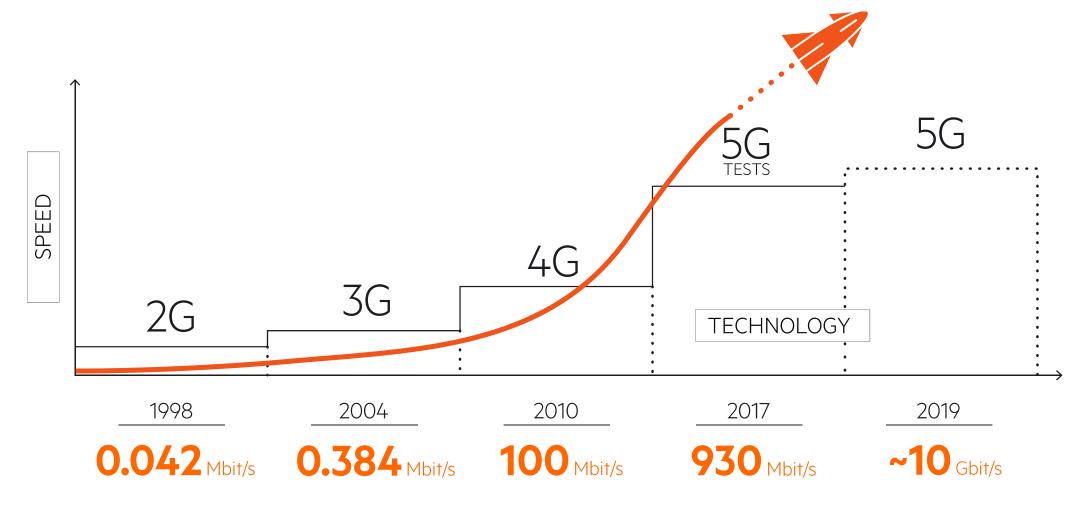
LATVIA IS A REAL GIGABYTE SOCIETY







INTERNET DEVELOPMENT BY LMT





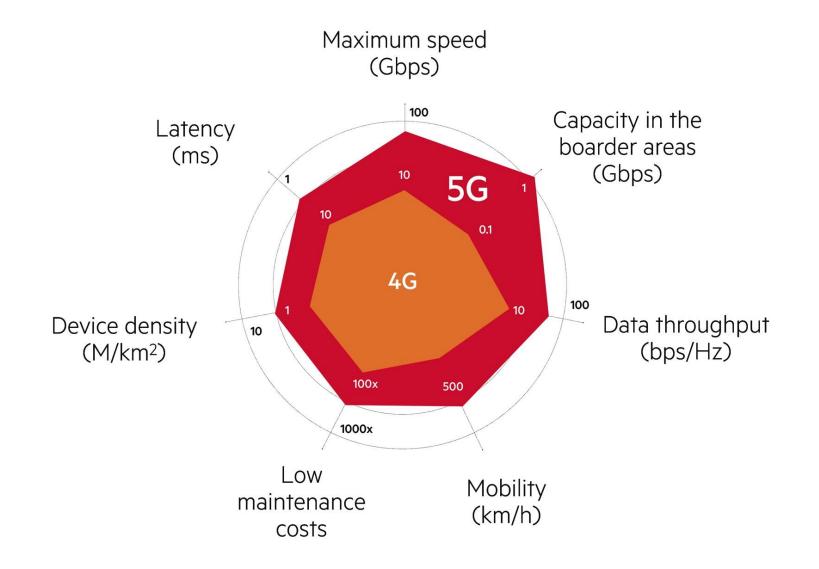
TEST@ 5G TECHRITORY 27.-28.09.2018.





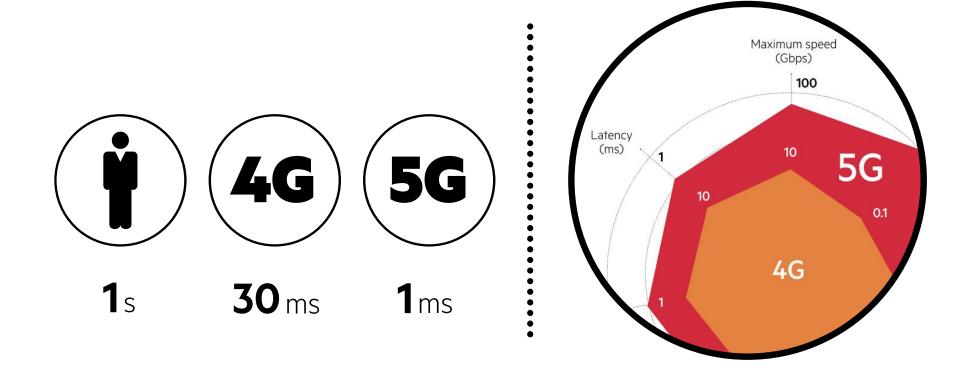


5G IS MORE THAN COVERAGE AND SPEED





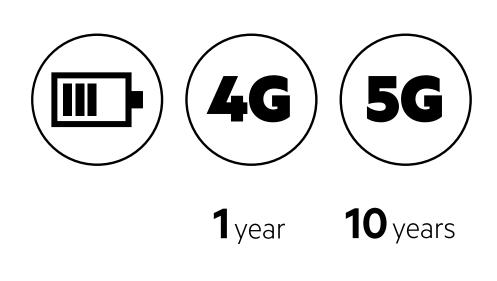
SUPER LOW LATENCY

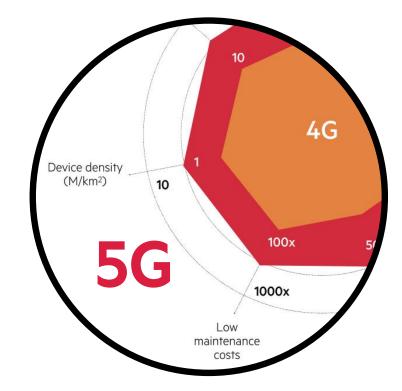






LOW MAINTENANCE COSTS AND ENERGY EFFICIENCE

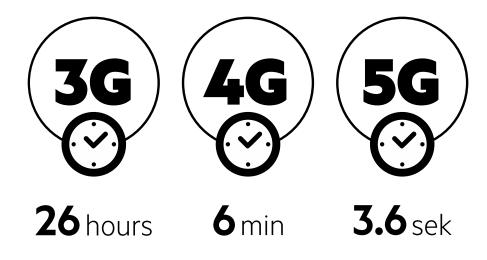


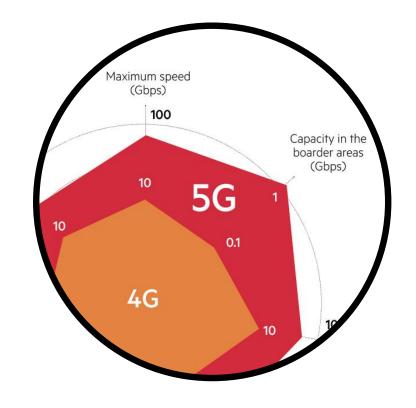




INTERNET SPEED

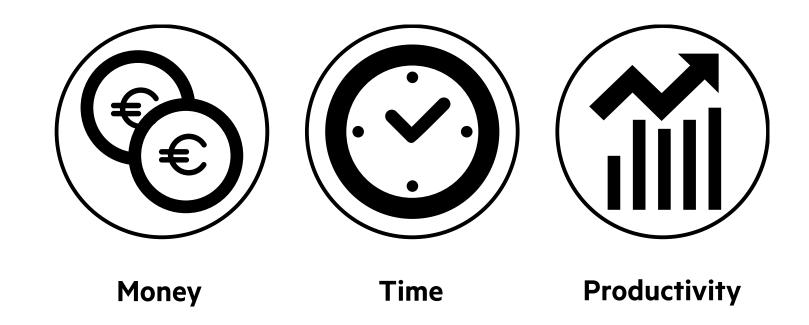
The required time to download a two-hour long movie







BENEFITS





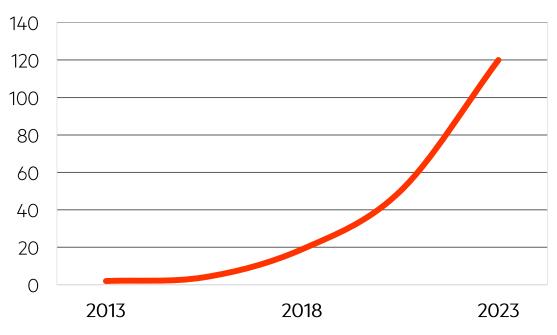
BRIGHTER FUTURE FOR HUMANS



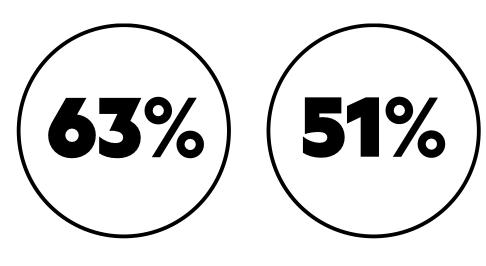


FUTURE IS MOBILE

GLOBAL MOBILE DATA USAGE (EB/month)



Year 2021



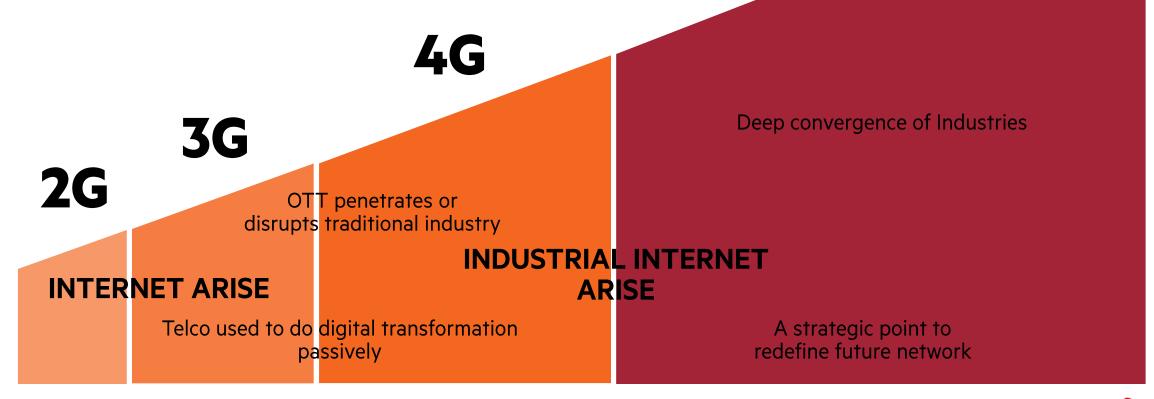
Mobile and Wireless networks

IOT devices



4G CHANGES LIFE... 5G RESHAPES SOCIETY

5G





5G USE CASES

Enhanced mobile broadband

- Multi-Gbps data rates
- Extreme capacity
- Uniformity
- Deep awareness



Mission-critical services

- Ultra-low latency
- High reliability
- High availability
- Strong security

Massive Internet of Things

- Low cost
- Ultra-low energy
- Deep coverage
- High density



Mobile Devices



Networking



Automotive



Robotics



Health



Wearables



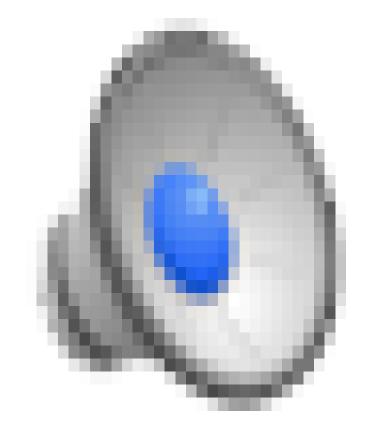
s Smart Cities



Smart Homes



VIDEO

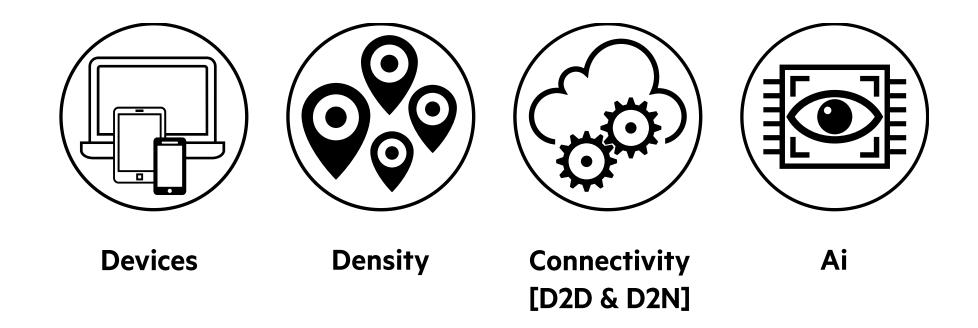








SECURITY RISKS





SECURITY RISKS

