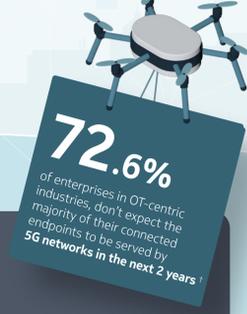


# From now to next

Accelerating the journey to Industry 4.0 with Industrial-grade Private Wireless networking

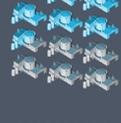
3<sup>rd</sup> Industrial revolution created **disappointing** productivity growth



**Invest or wait**  
Is now the time for enterprises to invest in Industry 4.0



Waiting leads to missed opportunities



54.8% of industrial firms have yet to begin executing digital transformation strategies †

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up to 74% of data is not collected †

Industry 4.0 is set to change **everything** and start delivering real business benefits to industries far and wide



Helping you gain competitive advantage with:

- Higher efficiency
- Increased flexibility
- Lower environmental footprint



But how will we get there?  
By **connecting** everything!

**Wired or wireless**

**Wired**  
\$500-1000 per LAN cable for each new drop

**Wireless**

Predicted 1.3 billion IoT endpoints in enterprises by 2021 †

The future of digitalization and automation is IoT connectivity, and with wired solutions rapidly reaching their limits, wireless is the obvious choice

**How** industries choose to implement wireless will be key



But why wait for 5G?

**Wi-Fi**  
Doesn't meet critical requirement for reliability, security, performance or coverage

Remains an IT office and hotspot focused technology

Latest generation LTE: 4.9G

85% Available today, and supports >85% of industrial applications



- While meeting key concerns for every industry for a single wireless network for all critical OT applications
- Dedicated
  - Highly secure
  - Reliable
  - Low latency
  - High-speed mobility
  - Pervasive deep coverage

**Private wireless** the obvious choice

Adopting Private Wireless is easier than ever, with multiple spectrum options (Mobile operator, Vertical, CBRS, MulteFire.)

20+ countries have licensed spectrum for industry verticals

197 countries can deploy LTE in unlicensed or with mobile operator spectrum

>2,500 non-phone form factor LTE devices †

Deployable LTE/4.9G solutions leverage a large existing ecosystem of machines, sensors and systems

**Nokia** your partner for Industry 4.0 private wireless connectivity

Nokia brings the most complete and flexible 5G-ready industrial private wireless solutions supporting enterprises' needs, across many diverse industry segments

- Maximum reach** Deploy wherever you need it
- Maximum flexibility** Satisfy your unique requirement today and tomorrow
- Maximum control** Use it and operate it as you see fit

120+ Enterprise customers deploying private wireless with Nokia

- Airports
- Manufacturing
- Mining
- Ports
- Utilities



Nokia is your ideal partner as you transform your business to reach its full potential, from right now to what's next.

All statistics based on Nokia or Nokia Bell Labs research with the exception of the below sources:  
 \* The coming productivity boom, Michael Mandel, Brett Swanson, The Technology CEO Council  
 † 451 Research - Voice of the Enterprise survey  
 ‡ GSMA/CDM data, March 2019  
 SR1910039254EN (November) CID : 206900