



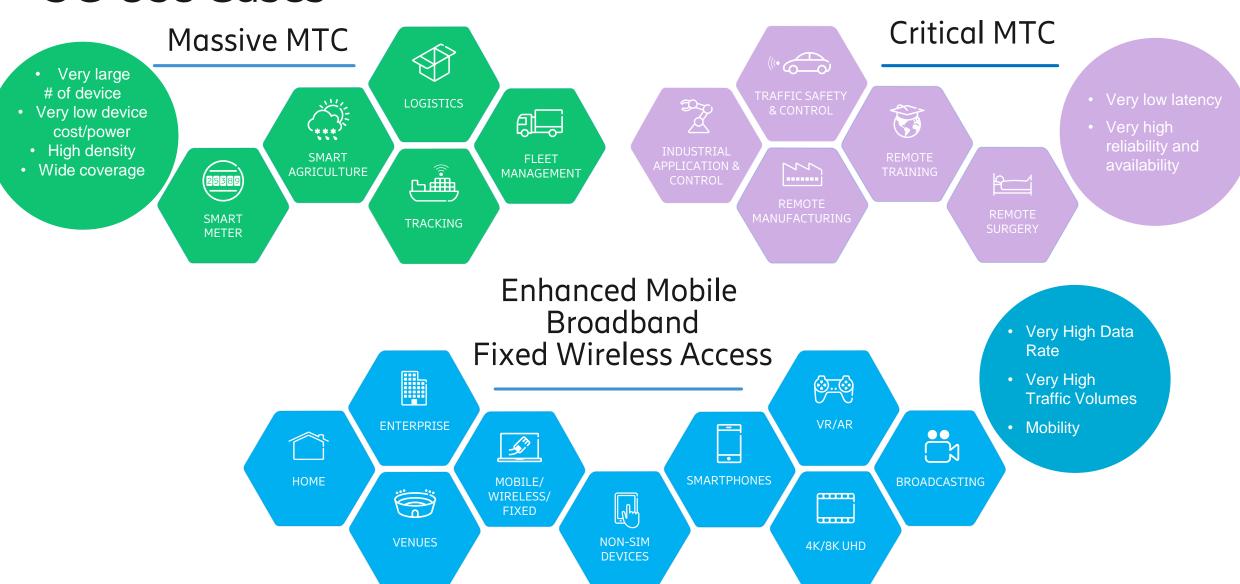
Business Potential from Industry Digitalization

ITU Seminar: 5G Implementation in Europe and CIS — Budapest 2-4 July 2018

Silvana Apicella – Southern Europe Network Evolution Lead, Ericsson

5G Use Cases





5G Architecture







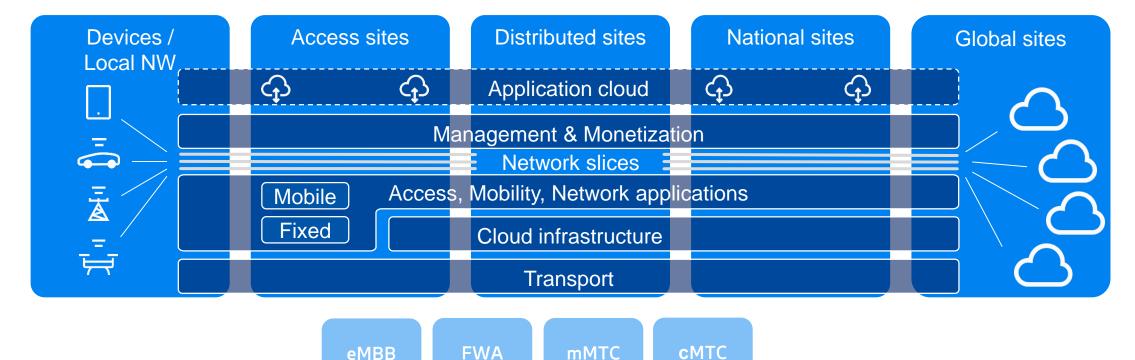






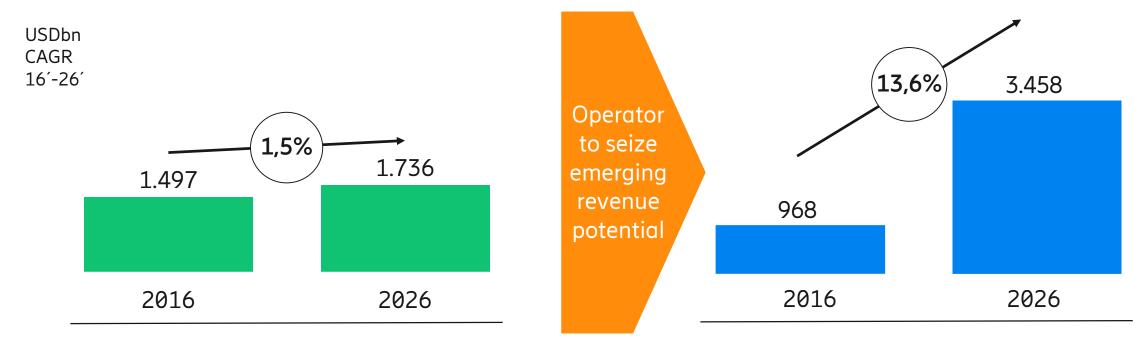






With industry digitalization, new fast growing revenue pools emerges





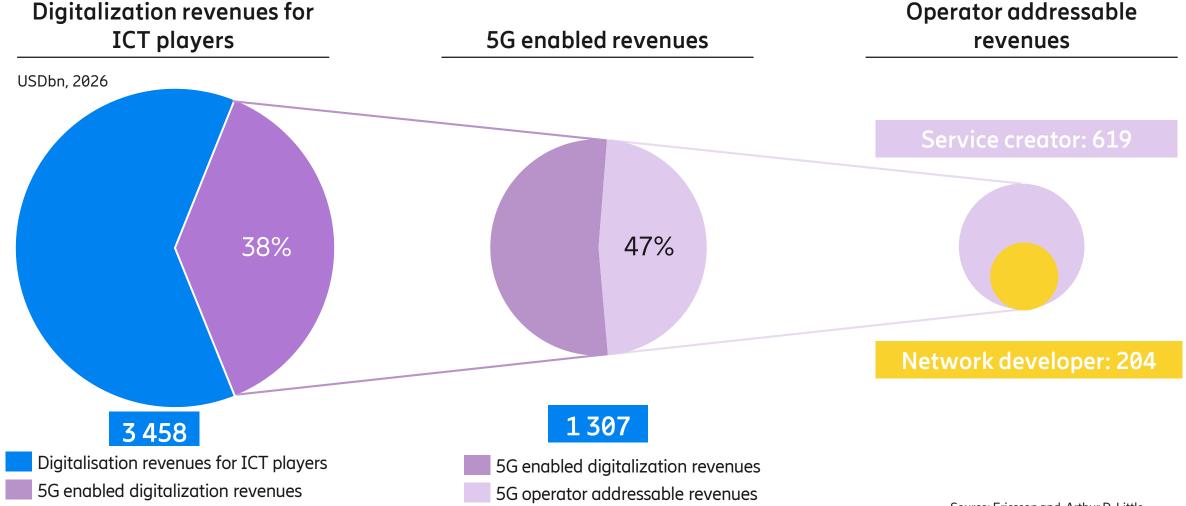
Challenge: current operator service revenues

Opportunity: digitalization revenues*

^{*} Digitalization revenues for ICT players from 10 key industries Source: Ericsson and Arthur D. Little

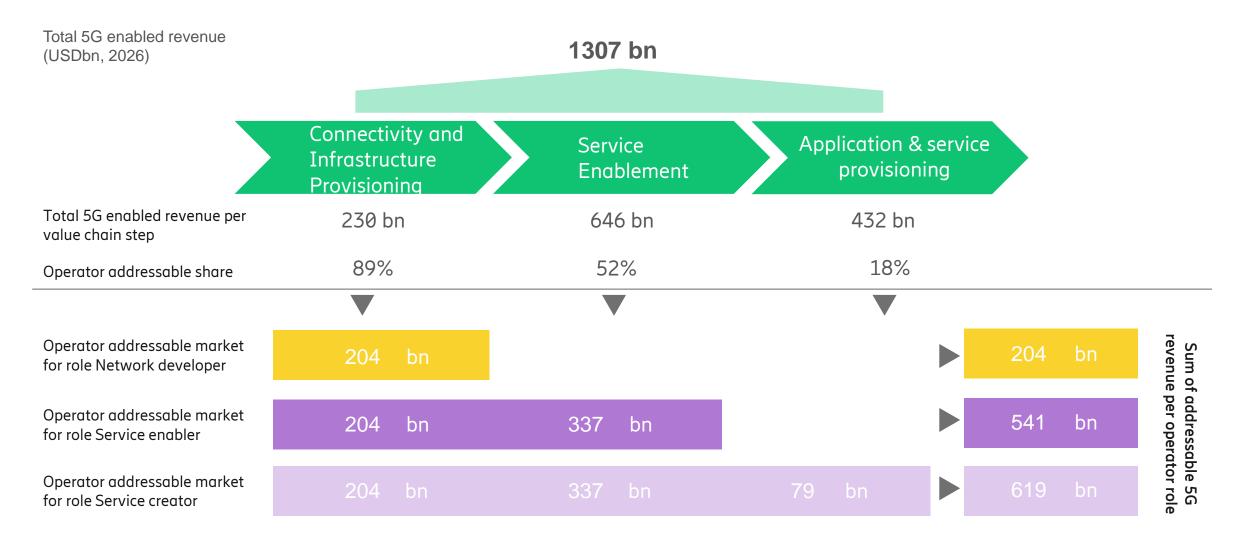
Of the total 5G enabled value in 2026, up to 47% is addressable by operators





Operators share of the 5G value created

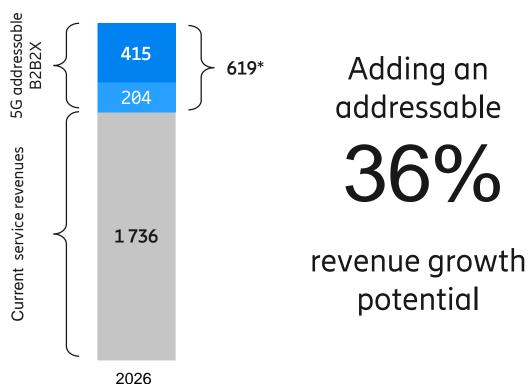


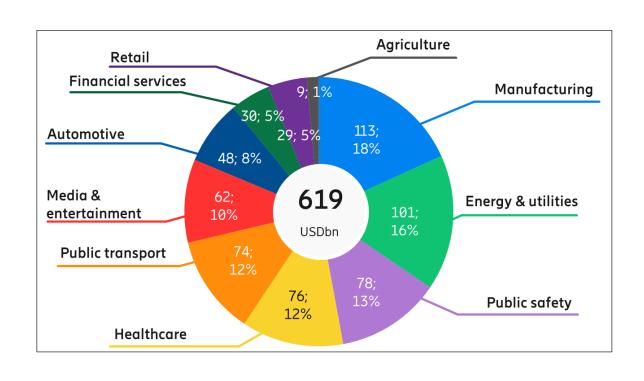


5G revenue potential for operators addressing industry digitalization









*Total addressable as Service creator operator role

Service enabler and service creator revenue potential

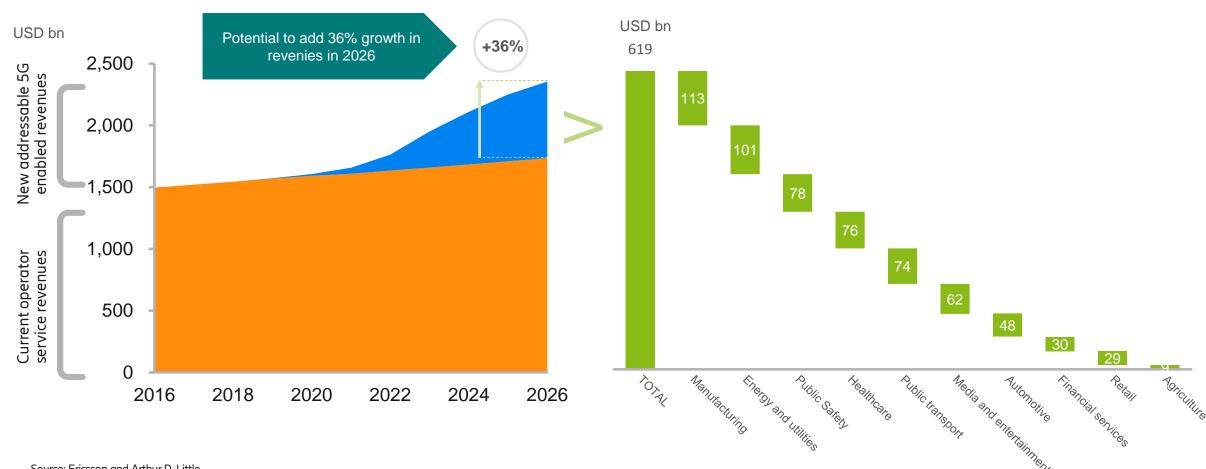
Network developer revenue potential

Operator opportunity addressing Industry digitalization with 5G



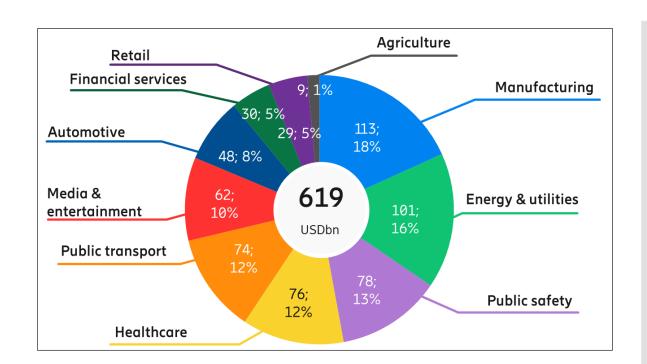


Split per Industry (2026)



Use Case clusters





From industries to clusters
From what to how

Cluster approach

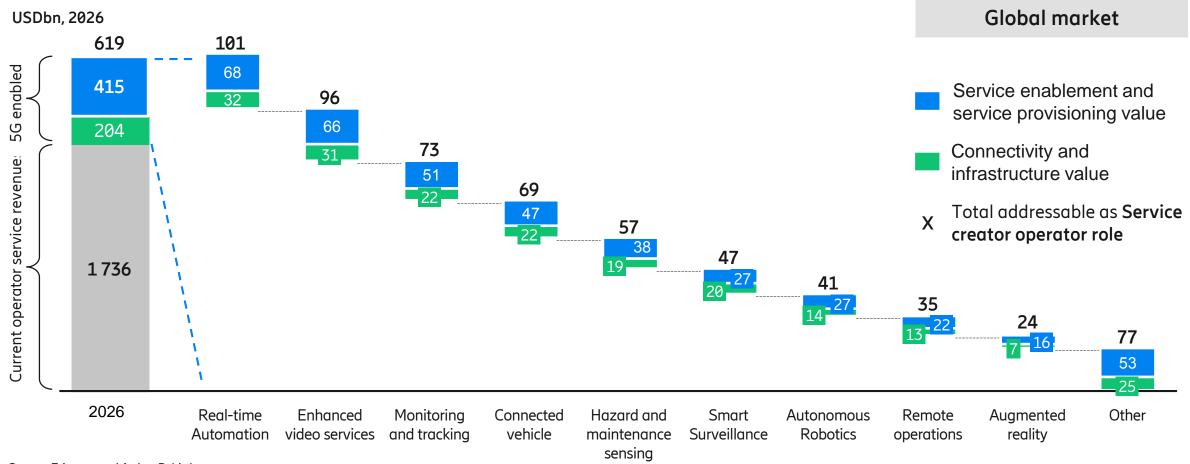
Enables shared investments and resource allocation across a larger revenue pool

Possible to prioritize opportunities depending on investment

Increase scalability across industries

To grow with up to 36% operators can address 9 Use Case clusters

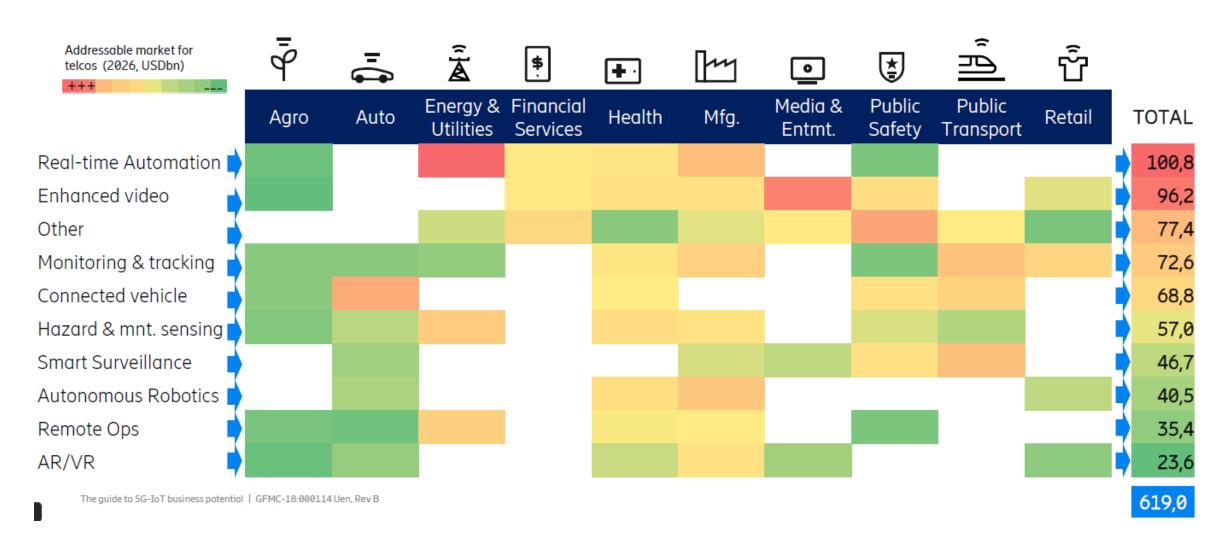




Source: Ericsson and Arthur D. Little

Industries and Use Case Clusters





5G Use Case clusters



+200 use cases in 10 industries



vehicle

Go-to-market challenges



- Business and monetization model
- Value chain positioning Role in ecosystem
- Partnership development





reality



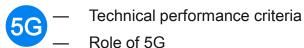




Autonomous

robotics

Deployment challenges



Device, network, computing and service enablers

Source: Ericsson and Arthur D Little

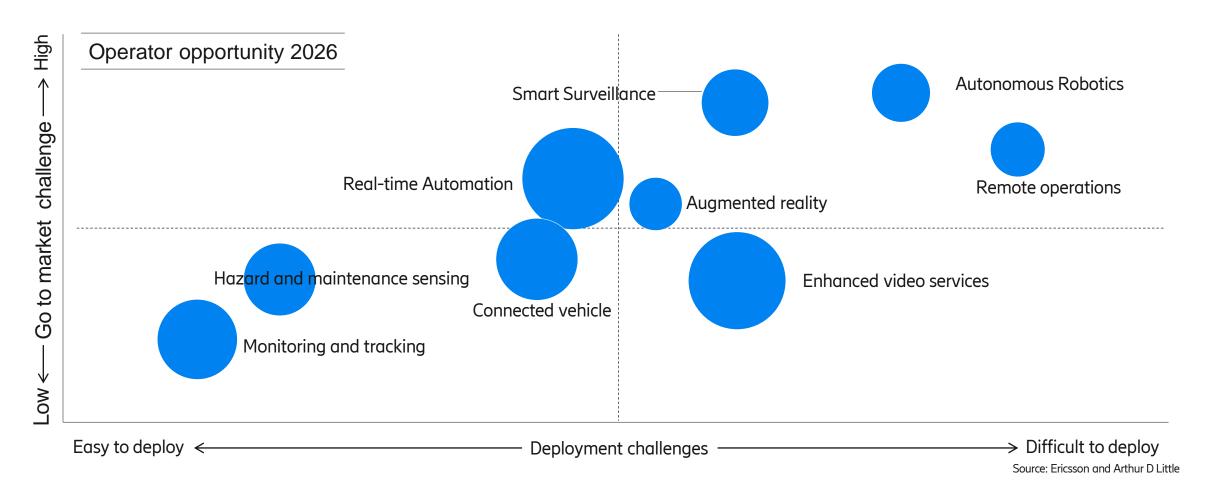
Hazard and

maintenance

sensing

3

Emerging 5G strategies Ambition level steers the ability to capture the value

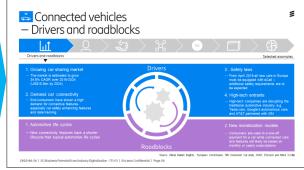


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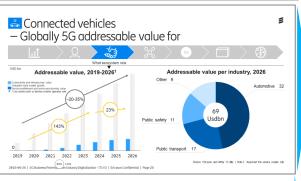
Use Case deep dive — Structure of the Analysis

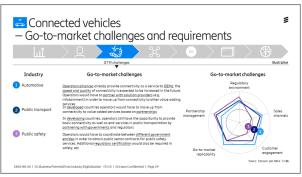


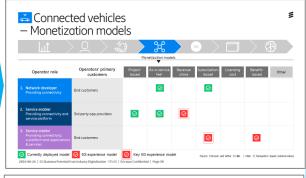


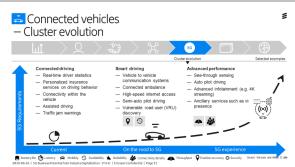


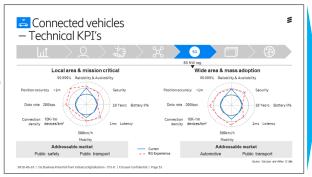


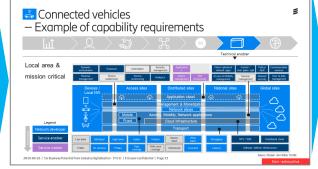


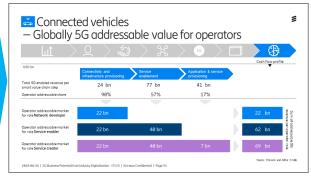
















Market Cluster	North America	Europe & Latin America	North East Asia	Oceania & India
Real time automation		Telefonica-Vivo (Brazil) Smart grid		
Monitoring and tracking	AT&T (US) Fleet management solutions			
Enhanced video services				Telstra (Australia) Connected venues
Hazard and maintenance sensing		Orange (Europe) Remote patient monitoring	China Mob. (China) Condition-based maintenance	
Connected vehicle	Verizon (US) Commercial drone solutions			
	Ericsson (US) Conn. Urban Transport	Telia (Sweden) Connected cars		

Case study Source: Ericsson and Arthur D Little

The Ericsson industry digitalization tool quantifies the 5G cluster opportunity

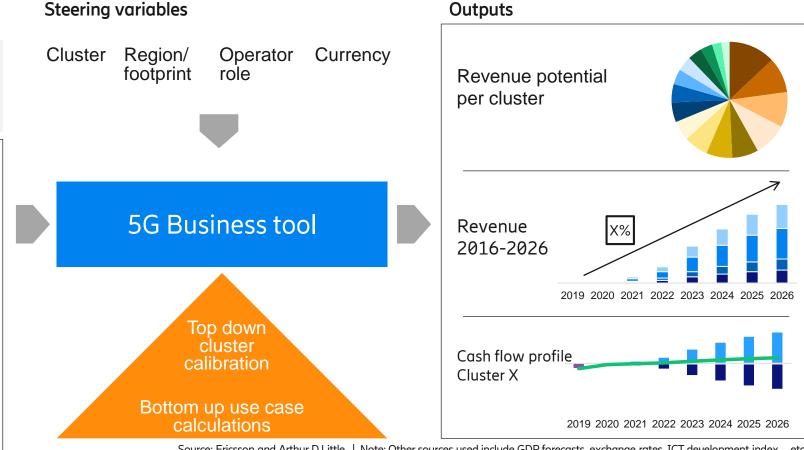


Key inputs¹

Main topdown market sizing

Triangulation sources

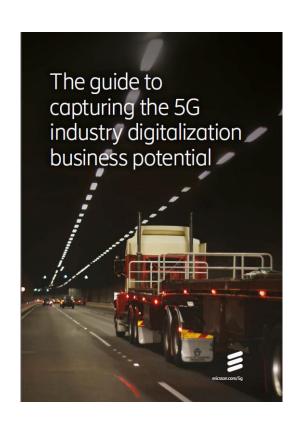
- +36 industry market reports
- +400 digitalization use cases
- Proxy business cases
- Market reports sizing use cases
- ICT company P&L structure benchmarks
- ADL ICT and industry expert evaluation
- Selected bottom-up case study quantification sanity check
- Industry ICT investment benchmark

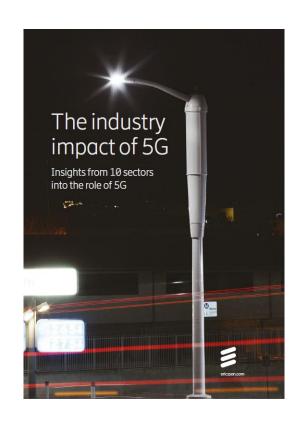


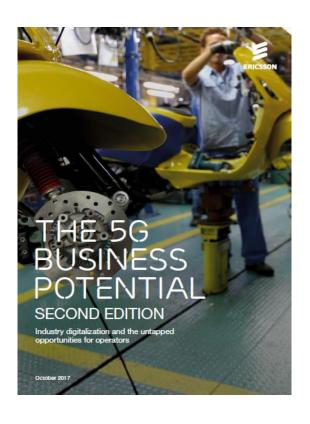
Source: Ericsson and Arthur D Little | Note: Other sources used include GDP forecasts, exchange rates, ICT development index ... etc.

Ericsson Studies and Analysis









https://www.ericsson.com/en/5g

https://www.ericsson.com/en/networks/trending/insig hts-and-reports/the-5g-business-potential

