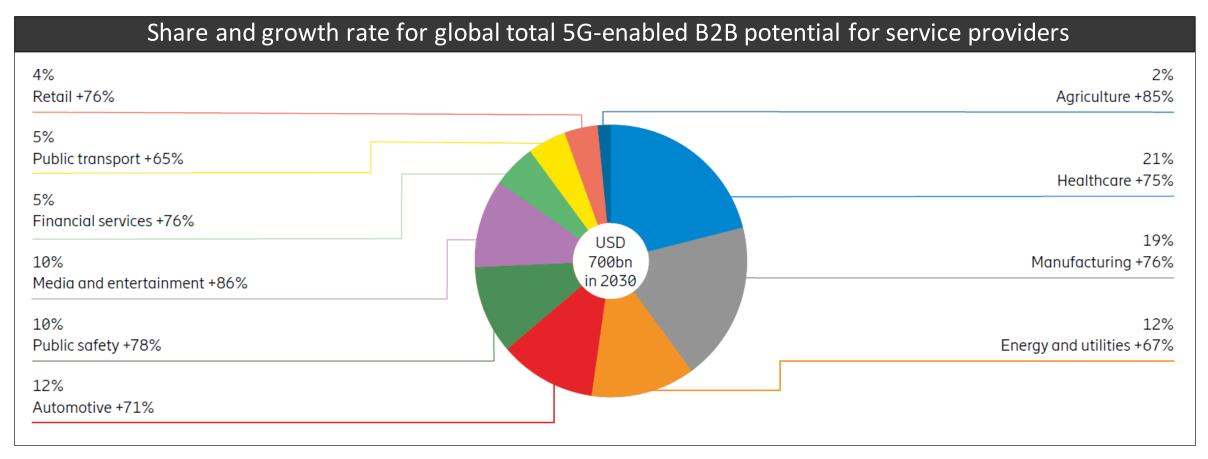
คำถาม: ทำไมประเทศไทยต้องให้ความสนใจ 5G ที่มาใช้ใน Smart Factory ?



5G for Business – significant 5G-enabled revenue potential for CSPs across 10 industries

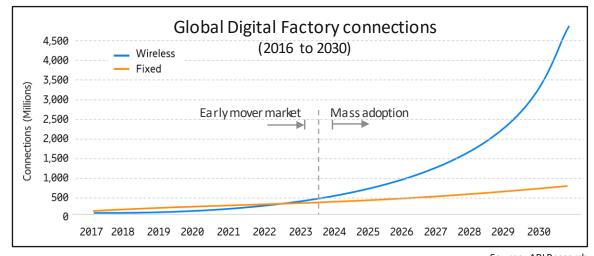


Global service creator, 5G for business addressable market, 2030 share, 2020-2030 CAGR

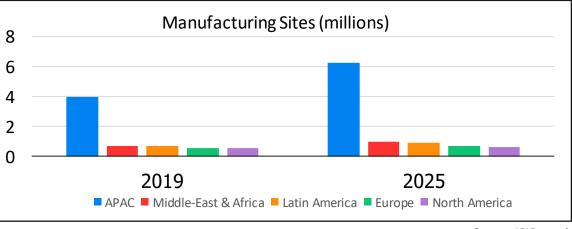
Unlocking the value of Industry 4.0



- ABI study on the potential of wireless Industry 4.0
- Significant value in Smart Manufacturing and Smart Warehousing
- Smart manufacturing in 2030:
 - 1 trillion USD
 - 4.7B wireless connections, >100× growth
 - 67% of all manufacturing sites in APAC
 - High Return on Investment (ROI) or high Cost of Inaction (COI)



Source: ABI Research



Source: ABI Research



คำถาม: แนวโน้ม Industry 4.0 wireless ecosystem ในบริบทโลกเป็นอย่างไร?

Insights from the Global Lighthouse Network

In collaboration with the World Economic Forum



The Fourth Industrial Revolution (4IR), adapting to four durable shifts:

- Agility and Customer centricity
- Supply chain resilience
- Speed and Productivity
- Eco-Efficiency

McKinsey & Company

The journey is just getting started...

Level 1

- Connected machines with realtime OEE tracking & mobile alerting
- Paperless operations including scheduling, workflows & work instructions
- Repetitive tasks are automated on the shop floor
- Live material tracking across the facility

Level 2

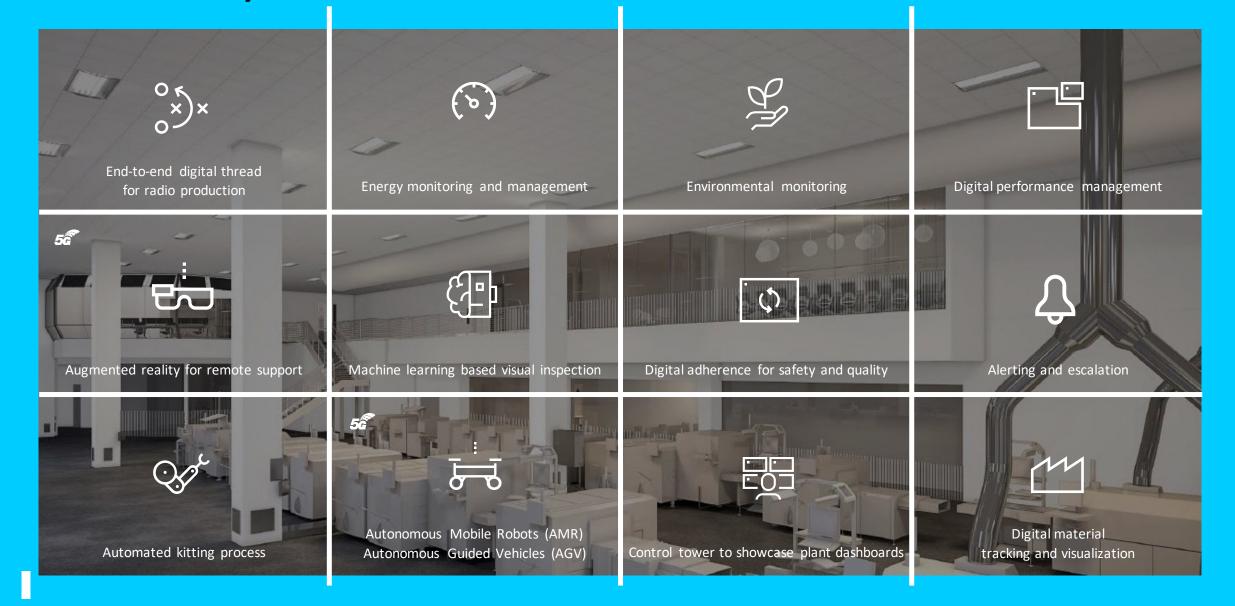
- Optimized production planning, resource scheduling and workflows
- Real-time modeling and simulation of plant processes
- Augmented reality for training and production
- Real-time performance benchmarking across the network

Level 3

- Automated planning of daily production based on artificial intelligence algorithms
- Self-tuning equipment leveraging machine learning to drive quality
- Predictive analytics to prevent machine failure
- Intelligent routing of material across the entire network

Smart Factory use cases





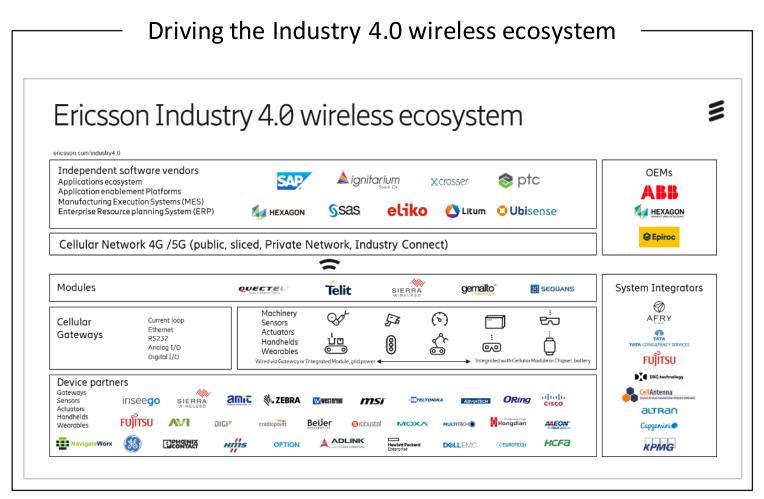


What's the most important ingredient to make 5G industry 4.0 wireless ecosystem successful?



Maturing the Industry 4.0 wireless ecosystem





Orchestrator's - Value Chain

Digitalization/ Roles	CSP	Ericsson	Devices	Application	Platforms	SI & Consulting
network services- 4G/5G	х					
dedicated networks- 4G/5G		x				
enterprise network O&M	x	x				
use case- devices			x			
use case- application				x		
Consulting						х
Platforms					х	
system integration						х
digitalization value	10%		15%	30%	15%	30%

Sim card writer







Mgmt Portal

watchdog

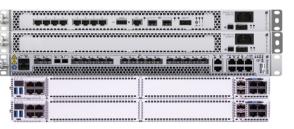
Micro Radio







Baseband



Network Controller