Moving up the ICT stack

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Digital technologies are enabling the Fourth Industrial Revolution (4IR) creating new opportunities

Industrial Revolution Timeline

End of 18th century Beginning of 20th century Beginning of the seventies



Today

Ubiquitous connectivity of people, machines and real time data

First programmable Cyber-physical logic controller (PLC) systems Modicon 084 - 1969



First production line, slaughterhouses in Cincinnati - 1870 3IR

Use of electronics and IT to further automate the production

2IR

Introduction of mass production based on the division of labor

1IR

First

mechanical loom - 1784

Introduction of mechanical production facilities using water and steam power

Key ICT Technologies



Delivering IT services through web-based tools and apps, instead of on-premise implementation



The internet interconnection of computing devices embedded in everyday objects to gather information (passive), or translate commands into actions (active)



Technology to process information, think and make automated decisions based on current conditions and previous experiences (series of decisions + consequences)



Robotics technology supplemented by Artificial Intelligence or IoT to go beyond a set of pre-programmed actions, and adapt to immediate and future operating conditions

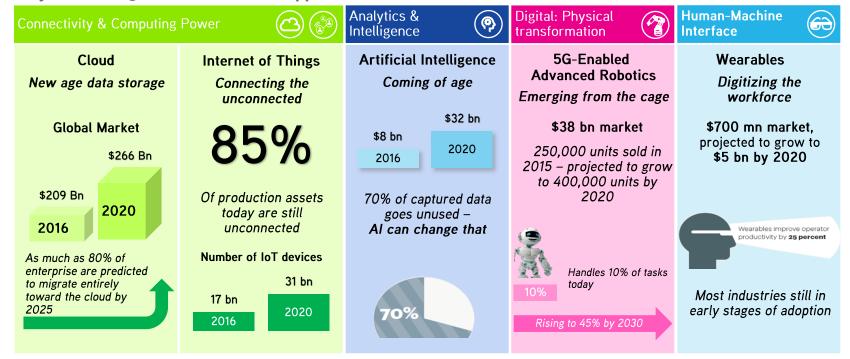


The use of technology to enhance the functionality of everydayworn-items enhancing training experiences and enabling integration between man and machine processes



Rapid global adoption of 4IR technologies is driving significant growth

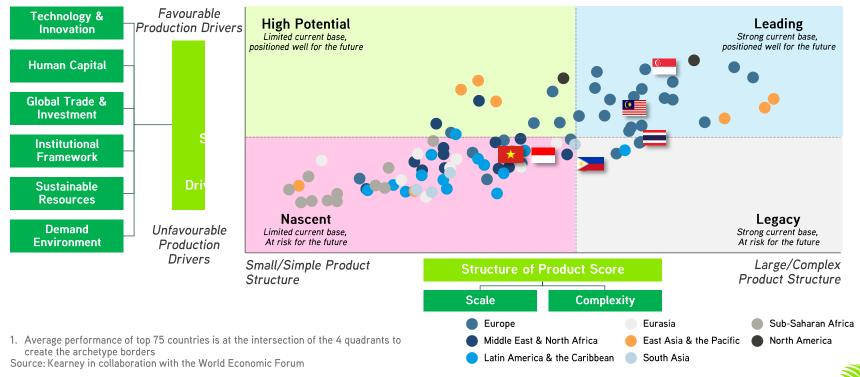
Key Technologies – Trends and Opportunities



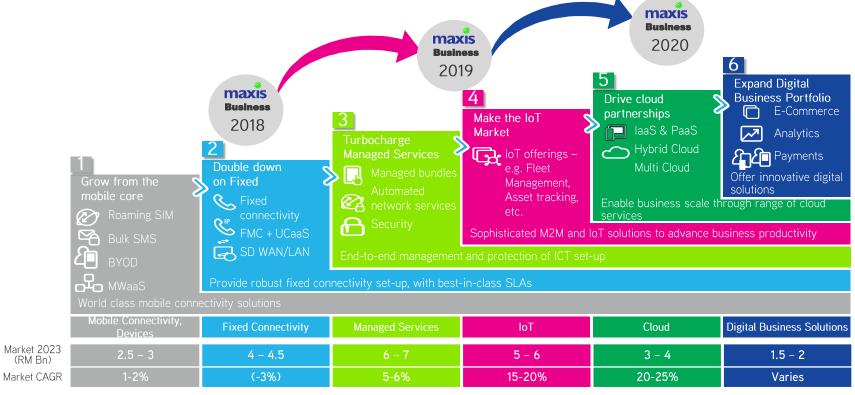


ASEAN countries are at different stages; Malaysia in the 'Leader' quadrant with further scope to increase adoption

WEF Country Technology Adoption Readiness Framework



In line with market opportunities, Maxis Business strategy lays out a clear multi-year focus to move up the ICT stack



Global Enterprise leaders have executed a similar strategy with positive growth trajectories

		at&t	verizon (3)	(3) vodafone	Telefonica (4)	IT'S HOW WE CONNECT (5)	
Revenue	Total Company Revenue (USD)	~171B	~131B	~ 47B (2019)	~14B (2019)	~28 B (2019)	% in 2010-11
	Enterprise Share of Total Revenue	~ 22%	~ 24%	~ 30%	~27%	~30%	
	Services ¹ share of Enterprise Revenue	~20-25%	~30%	NA	~21%	~11% in 201 ~45%	
	Enterprise Revenue CAGR	~ -5% (2016-2018)	~ 1% (2014-2018)	~5% (2014-2019)	~1% (2014-2019)	~9% (2014-2019)	
Product Metrics	Attach Rate ²	~40-45% (for top 500 customers)	~70% (2016)	NA	~38% (2014)	50%+ (2017)	



^{1.} Defined as all products excluding core fixed and core mobile.

^{2.} Defined as % of subscribers with a value-added service component attached to plan.

^{3.} Verizon Global and Vodafone Global numbers reported.

^{4.} Telefonica Spain numbers reported.

^{5.} Includes Global Enterprise & Services and SME businesses

^{6.} Mobile network OpEx not reported under enterprise business, hence high margin

Sources: AT&T Annual Report 2016-2018, Verizon Annual Report 2014-2018, Vodafone Annual Report 2014-2019, Telefonica Annual Report 2014-2019, Vodafone Expert Interview, Kearney.

In 2019, we started to steer the conversation from being just a connectivity provider to an ICT leader

	From "Connectivity provider"	I o "ICT Service provider of choice"
Products	Connectivity focused	ICT Solution suite including Cloud, IOT, MS, etc.
Sales	Transactional	Account ownership and consultative
Delivery	Nascent capabilities	Enterprise grade service enablement & customer experience
Operating Model	Limited alignment	Matrix model of Sales, Delivery and Practices
People	Internally groomed	Hiring right-fit talent with global ICT experience
System/Process	Predominantly manual	Automation across entire customer lifecycle journey
Marketing	Limited business branding	Repositioning our Business brand

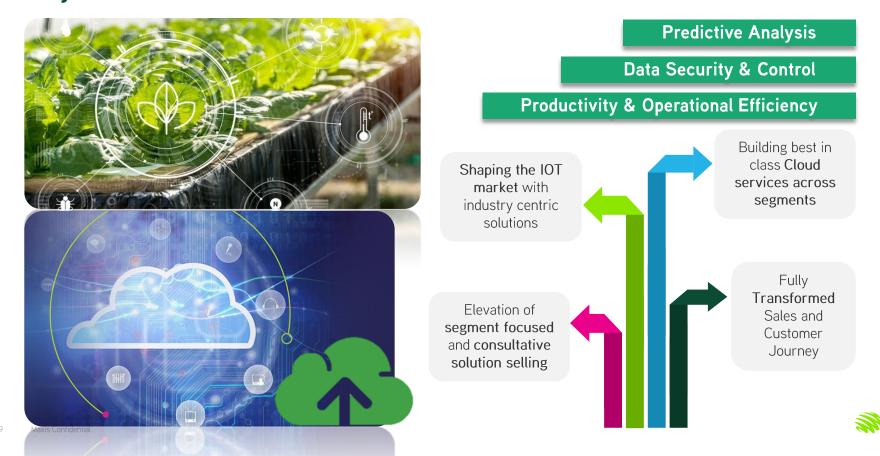
Repositioning Maxis Business as the preferred ICT solutions provider in Malaysia







Moving forward, it is imperative to establish the right assets in key focus areas that resolves business needs ...



... whilst accelerating this growth through right-fit global & local partnerships













Strategic Partnerships - Anchored around technology, expertise, access & co-creation





























