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Together, Embracing the 'Age of Light'

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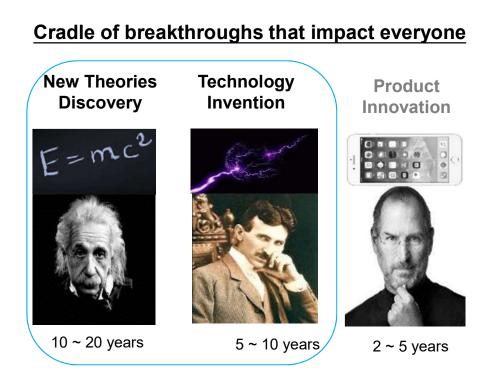
EPIC Quantum Technology Meeting on Moving to Next-Generation Transport and eMobility

26/03/2021, online

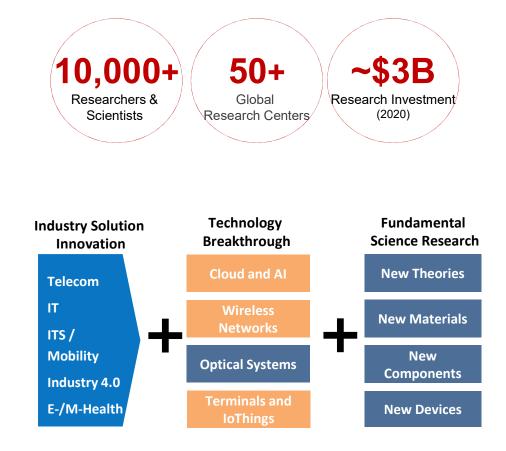


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Huawei Research: Advancing The Limits



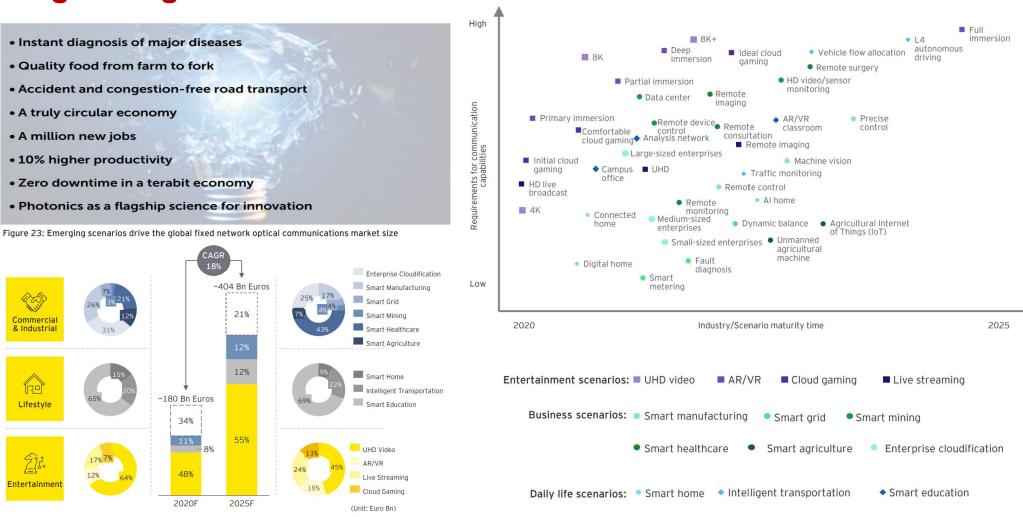
Focus Huawei Research





Age of Light is Now!

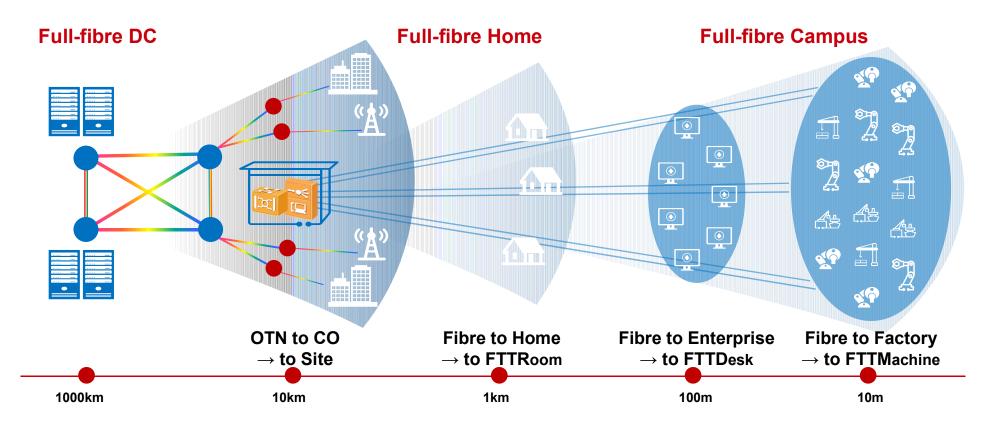
Figure 5: Recognition results of critical optical communications application scenarios



Source: EY Analysis

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F5G a Vision of Optical Communication: Build Ubiquitous Full Fibre Connectivity

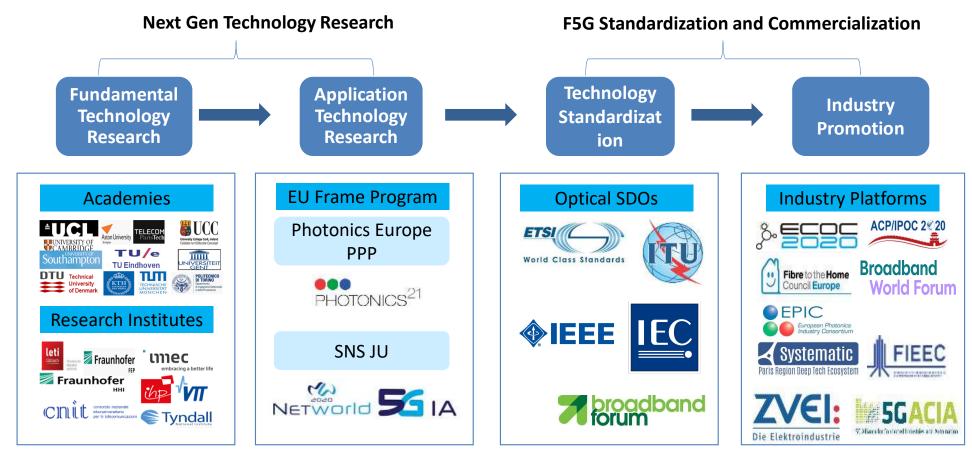




Optical Network Evolution Driven by Applications and QoE

	F4G	<i>F5G</i>		B-F5G
Vision& Customers	Fiber to Home	Fiber to the Everything Everywhere (Room/Bussiness/Cell site/ Machine)		Optic to everything
Key Characters	FBB	eFBB、GRE、FFC		+ Full Optical + sensing
Typical Applications	4K Video Online gaming VOBB	Cloud VR Video / Ga POL Wireless X-Haul	ming 3D Shopping Industry/Mobility/Transp	Holograph Brain-computer I/F Remote Surgery
		96. 96.		
Peak Rate	1Gbps	10Gbps	N*10Gbps	N*50Gbps~1Tbps
Experienced Rate	100Mbps	1Gbps	N*1Gbps	N*10Gbps
Latency/jitter	5ms/5ms	1ms/100us	100us/10us	<10us/1us
Reliability	99.9%	99.99%	99.999%	99.9999%
Connection density	1X	10X	100X	1000X
	2010~			Beyond 2025~
5				E(Guaranted Reliable Experience) C(Fully Fiber Connected)

Move-forward: Cooperation Around the Ecosystem for Industry



Look for Deep cooperation based on areas of interest for win-win

Join ISG F5G of ETSI TO streamline the standard and specification for industry



Thank you!

Together, we make it happen.

