

Windows Server 2019: The operating system that bridges on-premises and cloud.

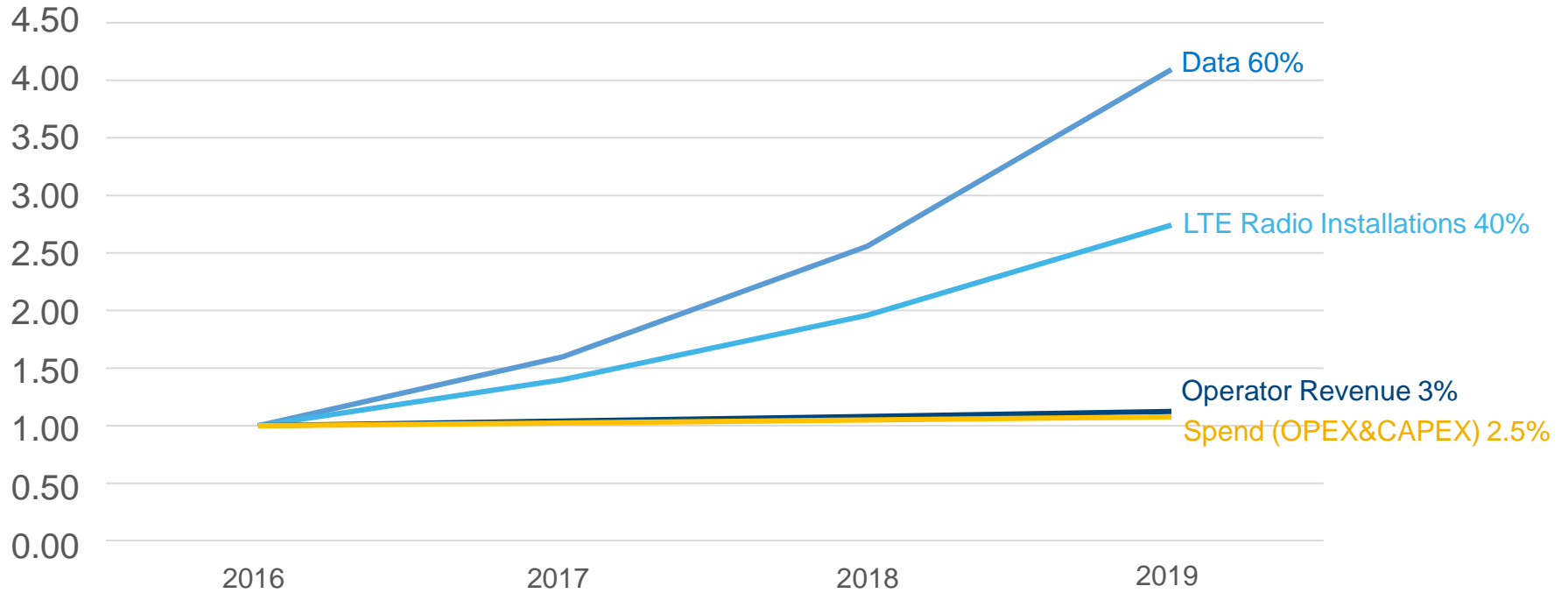
# 5G, Edge computing and Cloud

고상봉











Senior Client Executive, Teleco Vertical, Dell Technologies Select,  
Dell Technologies



# 모바일 산업의 성장

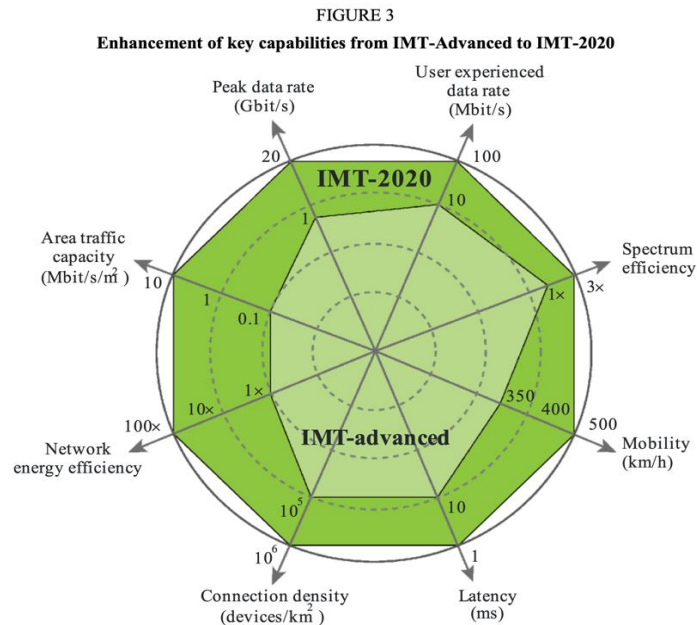


# 코로나의 영향

	Remote work	Remote education	Online socialization	Commerce and retail	Public health
Key trends	 57% of US workers working from home <sup>2</sup>  22% increase in AT&T core network traffic <sup>3</sup>	 Increased bandwidth requirements  41% of people globally without reliable internet access <sup>6</sup>	 Online gaming up 75% vs. pre-COVID levels <sup>9</sup>  Houseparty downloads up 2360x in Spain in March 2020 <sup>10</sup>	 Online retail transactions <sup>13</sup> up 74% globally  UberEats global revenue up 54% <sup>14</sup>	 Telemedicine urgent care visits up 490% <sup>17</sup>  Contact tracing helping contain COVID-19 in some countries
Future outlook	<p>Twitter employees can work from home indefinitely<sup>4</sup></p> <p>50% of Facebook's workforce will be remote by 2030<sup>5</sup></p>	<p>California State University (~500k students – largest in US) remote for autumn 2020<sup>7</sup></p> <p>Schools globally allocating 15.9% of budget to EdTech in 2020, vs. 3.9% in 2018<sup>8</sup></p>	<p>Physical distancing measures globally will continue until at least mid-2021<sup>11</sup></p> <p>Mobile gaming revenue up 11.4% globally in 2020 (vs. 6.3% growth in 2019)<sup>12</sup></p>	<p>Apparel chain Gap speeding automation roll-out<sup>15</sup></p> <p>Increased mobile data use in Myanmar catalysing digital economy<sup>16</sup></p>	<p>Medical delivery drones being tested in Holland, Switzerland and US<sup>18</sup></p> <p>In UK, Samsung and O2 testing 5G connected "smart" ambulances<sup>19</sup></p>
Key use cases	<p>Video conferencing</p> <p>Augmented reality (AR) and virtual reality (VR) training</p> <p>Remote asset access</p>	<p>Virtual classrooms</p> <p>AR and VR education content</p>	<p>Group video chats</p> <p>Online gaming</p> <p>Virtual exercise classes</p>	<p>Online retail</p> <p>Food delivery</p> <p>Smart warehouses</p>	<p>AI for public health</p> <p>Telehealth</p> <p>Connected hospitals</p> <p>Connected transport / drones</p>

Double Digit Data Traffic Growth will continue post COVID

# 5G VS. 4G



# EDGE 영역으로 흐르는 Data

> 50%

of enterprise-generated data in 2022 outside the data center & in the cloud\*



An IT infrastructure that seamlessly supports both DC and Edge computing

27%

CAGR data growth results in increased data costs at the edge++



High density computing & flexible storage at the edge

1- 8ms

Edge applications for Telco, Military, Retail and Marine requiring latency as low as 1ms



Accelerated performance and low latency at the edge



Edge locations are outside of traditional data centers and vulnerable to attack.



Short-depth, robust reliability and security at the edge.

++ IDC Research 2018 - #US44413318

\* Gartner Research 2018



# 다양한 혁신 서비스

INDUSTRIAL 4.0

DESIGN | TRAINING

FIRST RESPONDERS



PRIVATE NETWORKS



NETWORK SLICES

CONSUMPTION MODELS WILL VARY



PUBLIC VENUES

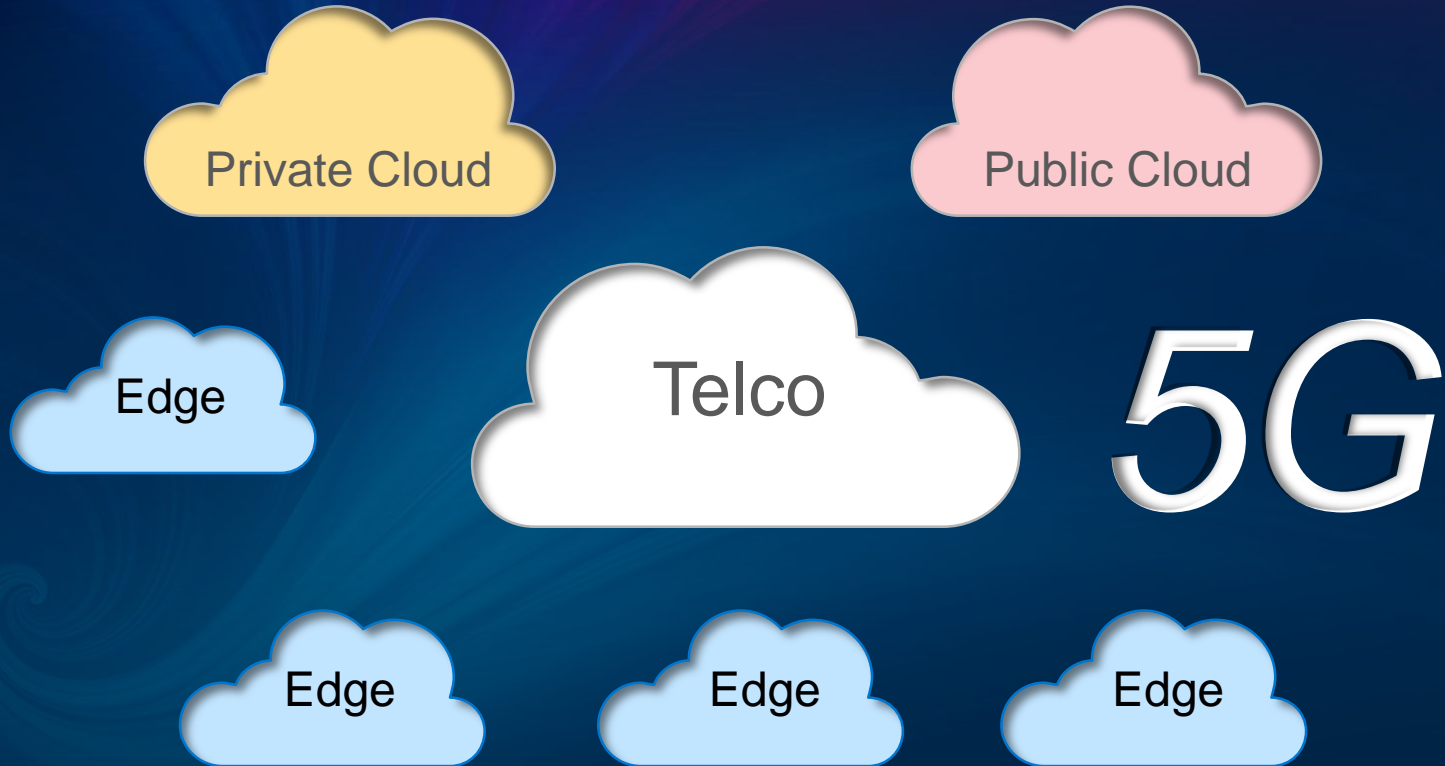


TRANSPORTATION

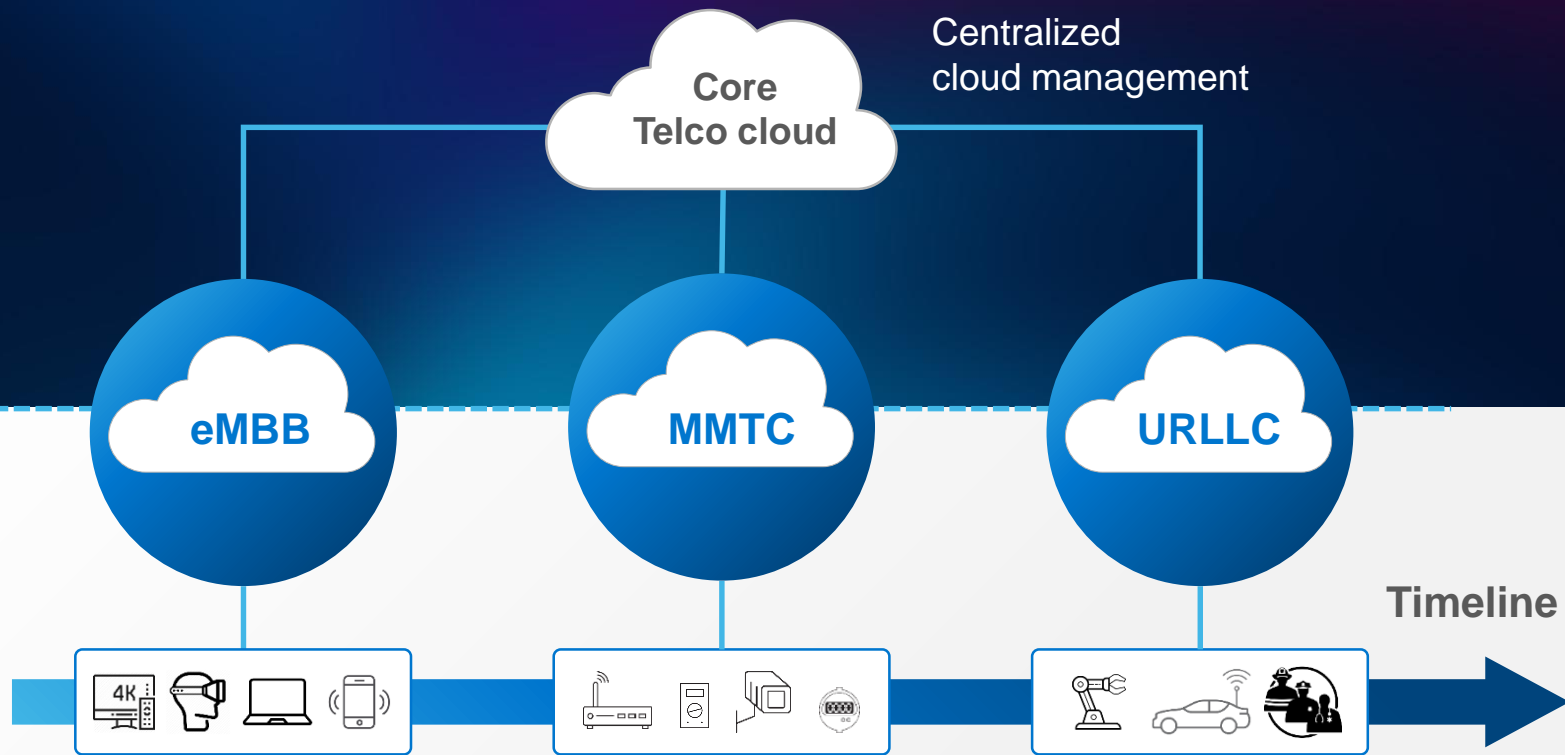


GAMING | TRAINING

# 5G, Edge computing 그리고 Cloud



# 5G network edge use case의 진화





5G

Transforming the  
Enterprise

**DELL**Technologies



**DELL**Technologies



**Microsoft**

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