

00 5G

5G is Now,

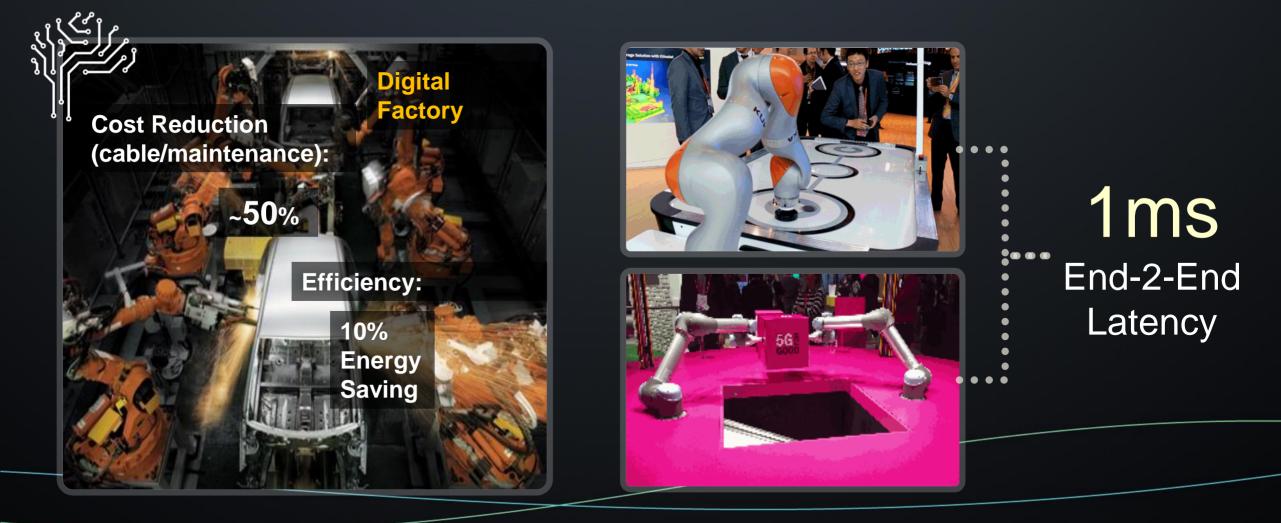
from eMBB to Digital Society

5G is Now, from Enhanced MBB to Digital Society





Connected Robots Will Enable Industry 4.0



5G R15 Significantly Improves User Experience



Ultimate User Experience





Improved Investment Efficiency

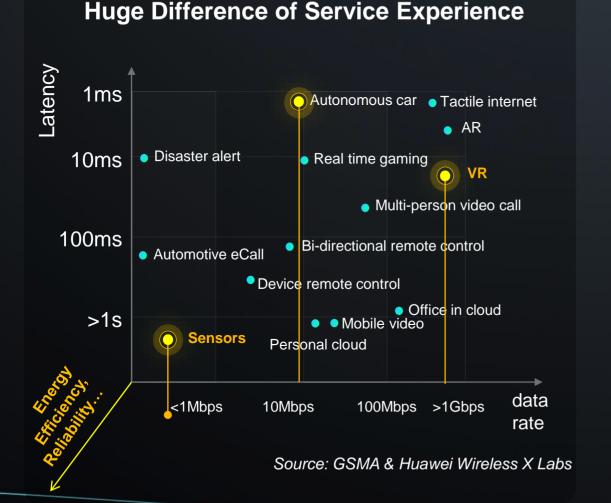


20GbpsPeak ThroughputxGbpsOutdoor EverywhereNx100MbpsIndoor Experience

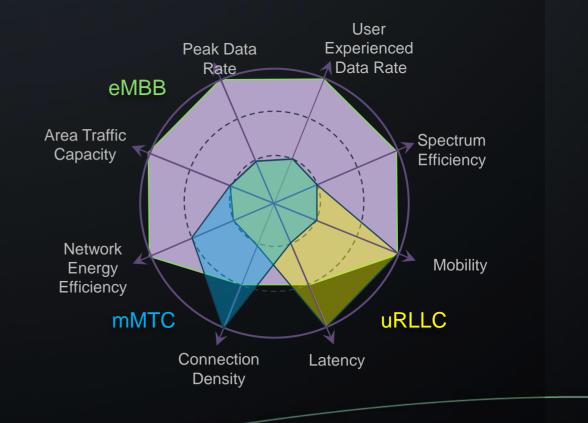


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Huge Difference in Services & Network Requirements



Huge Difference of Network Requirements



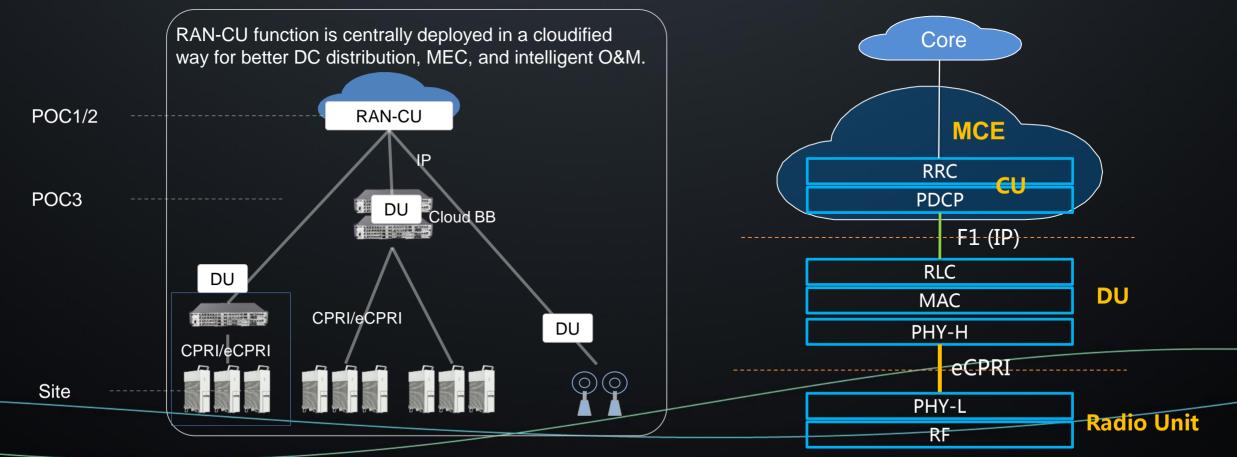
Build network with business requirement in phases, prepare capability for future.

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CU-DU Concept and its Architecture

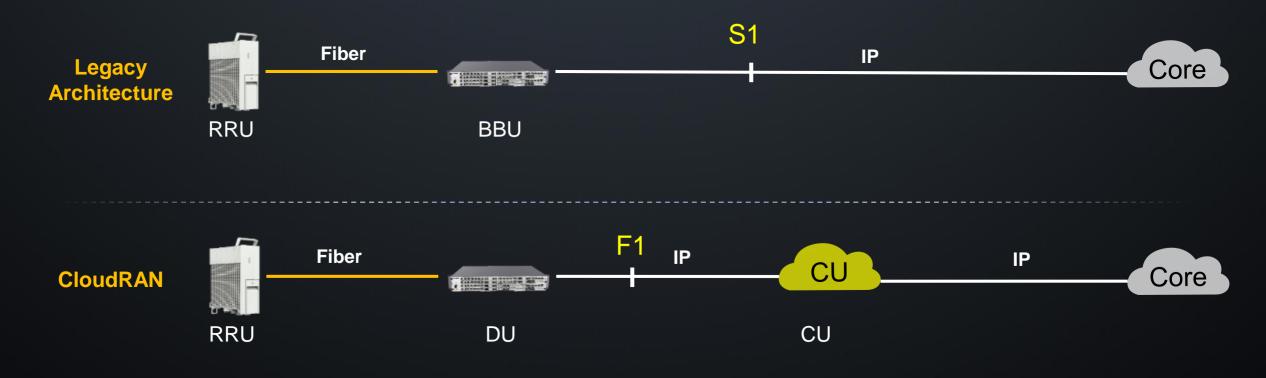
CU The central unit processes some non-real-time protocols, such as packet data convergence protocol (PDCP) and radio resource control (RRC).

DU The distributed boards process real-time services, including scheduling, paging, broadcast, *RLC/MAC/PHY, and eX2/CUDU interface management.



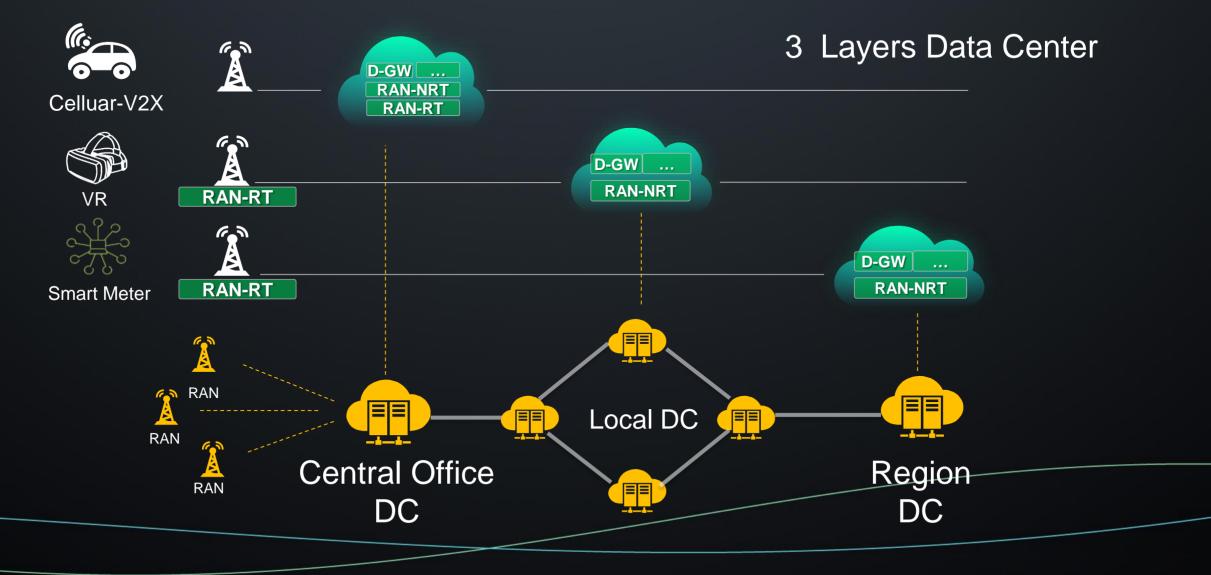
About F1 Interface

CloudRAN CU/DU split would allowed CU to be centralized.



The transmission requirement of the F1 interface is equivalent to S1 interface

CU/DU Split Realize On Demand Deployment



RAN Architecture

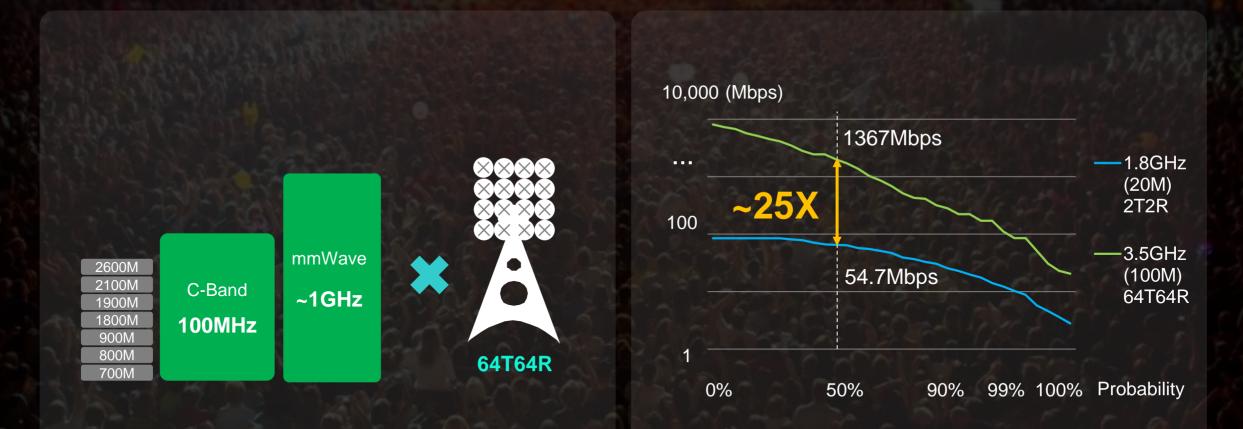


 ∞ 5G

Massive MIMO & Large BW Significantly Improve Cell Capacity

Massive MIMO & Large Bandwidth

Cell Average DL Capacity Greatly Improved

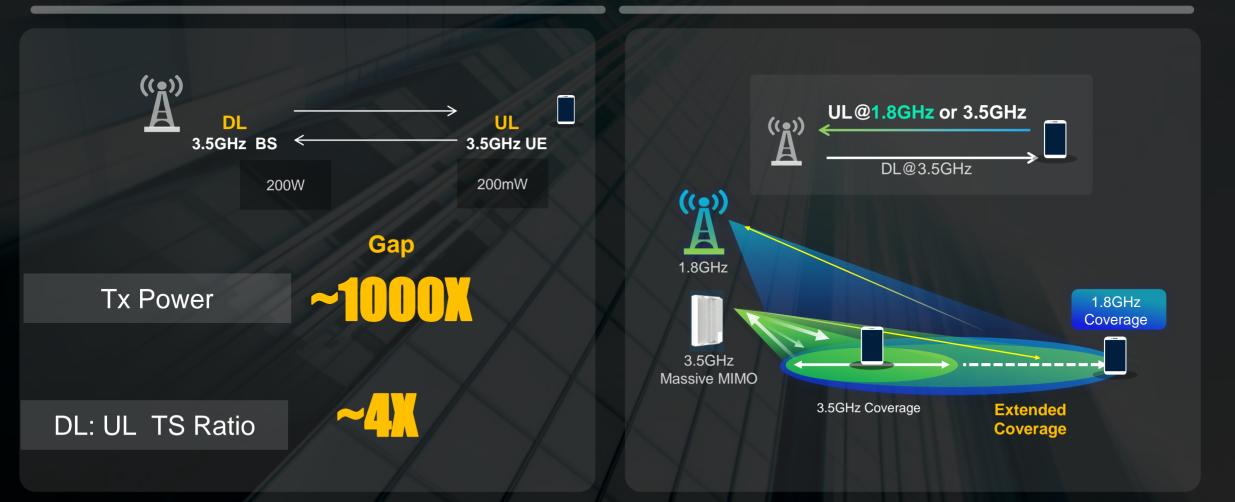


 ∞ 5G

UL & DL Decoupling Enables C-band Co-Site & Co-Coverage

C-band UL Coverage & Experience Limitation

UL & DL Decoupling to Extend C-Band Coverage



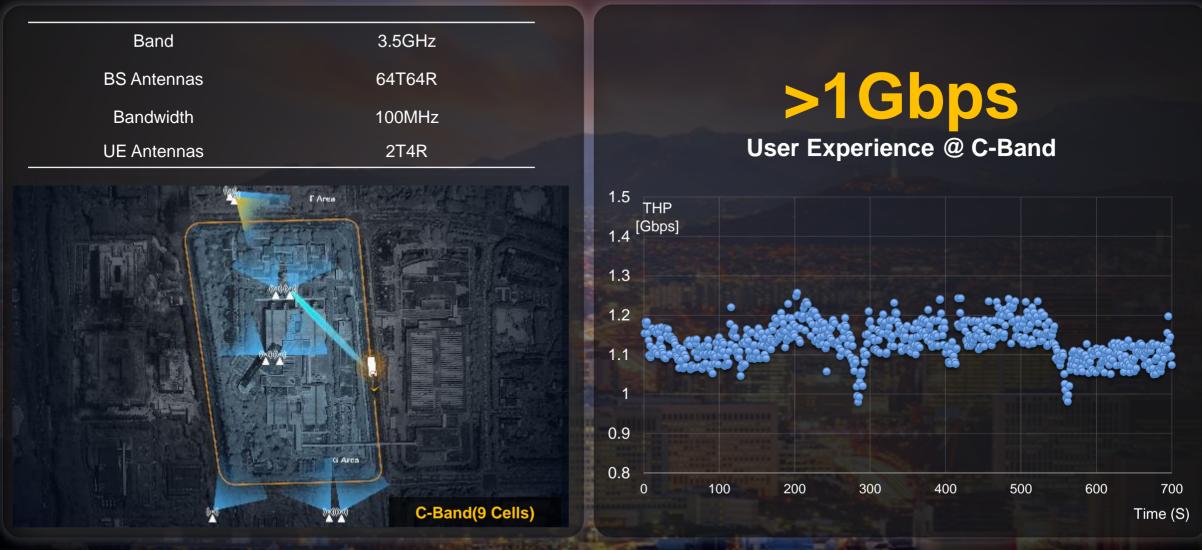
Live Demo of Massive MIMO Shows Huge Increase in Cell Capacity



*Trial in Shanghai, China



Huawei 3D-MIMO Makes xGbps Outdoor Experience Possible



*Trial in Shenzhen, China, April, 2018



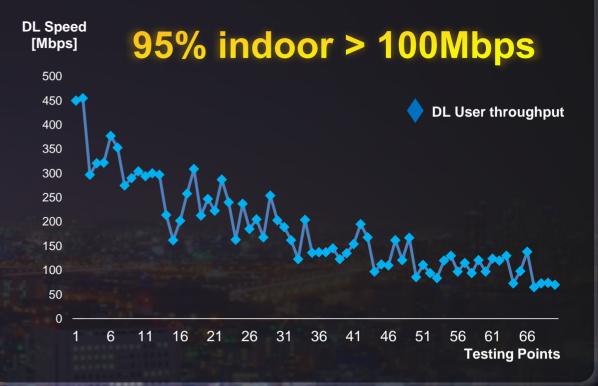
Huawei 3D-MIMO Enables Hundreds of Mbps Indoor Experience

Outdoor to Indoor Trial in Dense Urban Areas

• CPE Spots in the Buildings

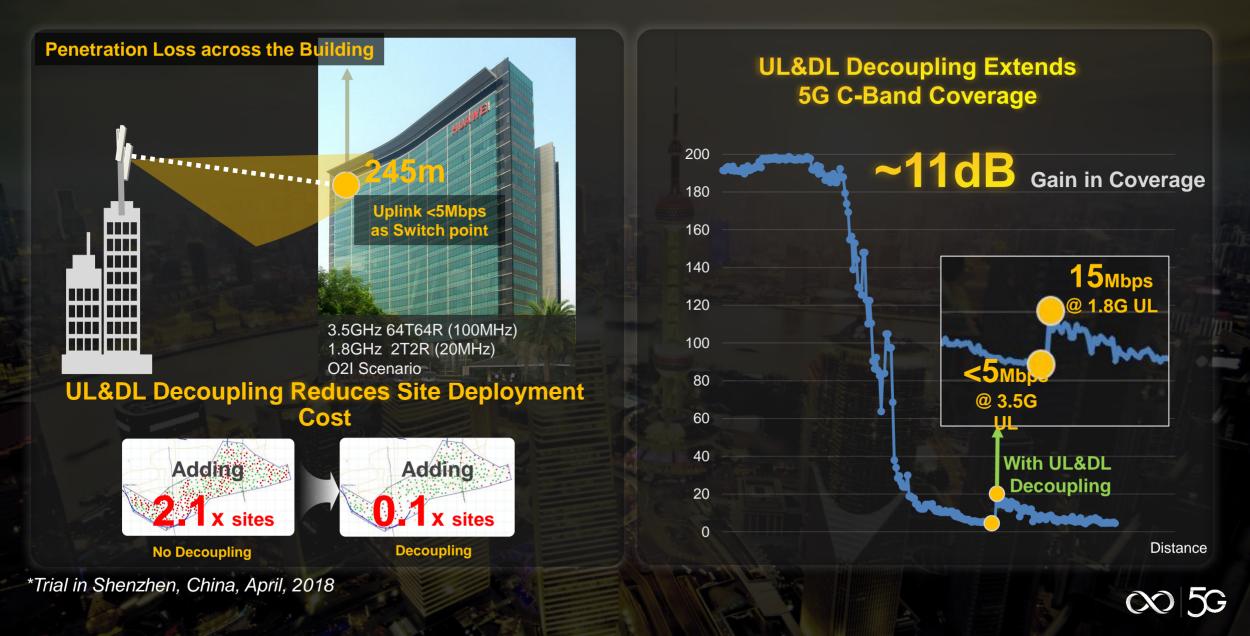
*Trial in Shenzhen, China, April, 2018

Hundreds of Mbps Indoor Anytime Anywhere



 ∞ 5G

UL & DL Decoupling Live Demo Shows ~11dB Gain in C-Band Coverage



Huawei Clear Device Roadmap Promotes 5G Industry Advancement



00 56

5G, Keep Innovation for Industry Digitalization



Creating New Ecosystem with







5G is Now, the Future Awaits

Thank you!

CO 5G IS NOW