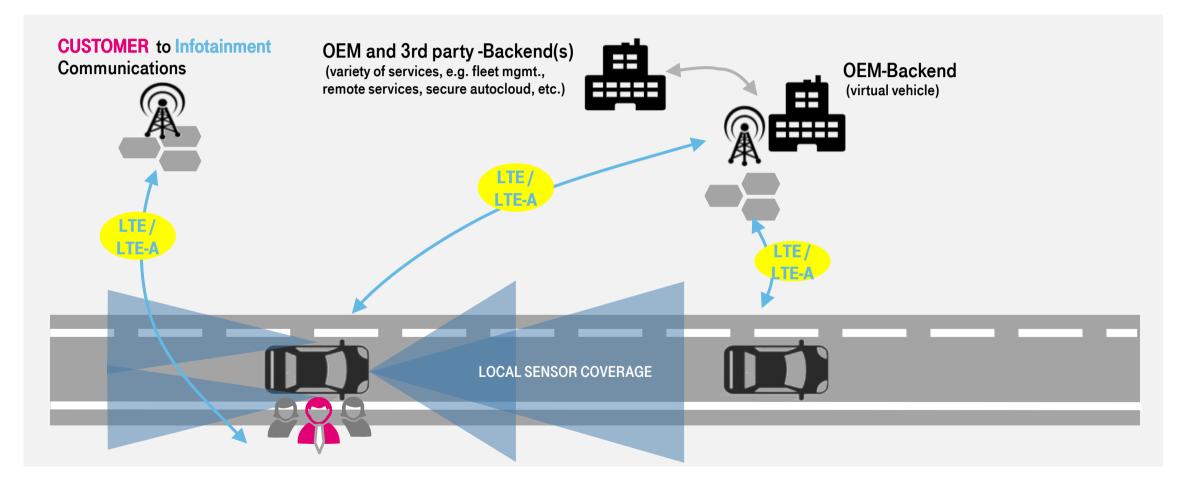
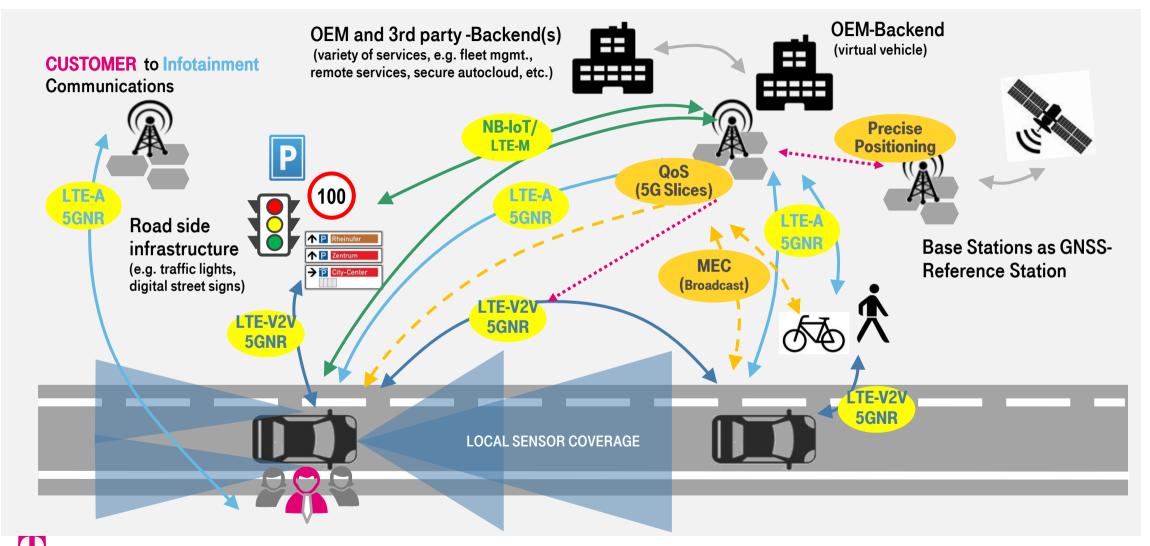


AUTOMOTIVE PICTURE TODAY CELLULAR CONNECTIVITY AS A MATTER FACT

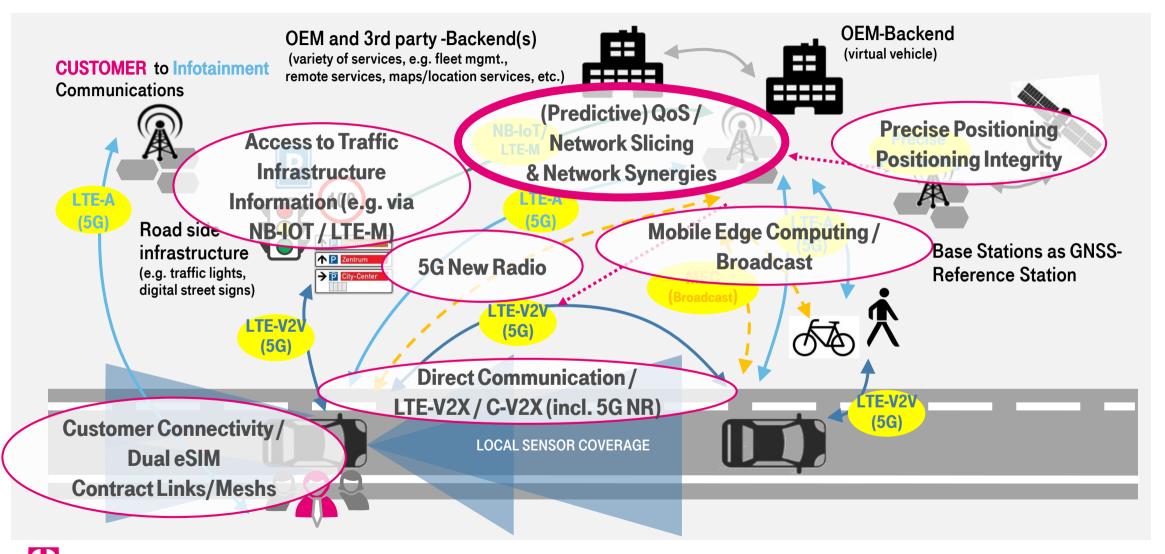




EXTENDED AUTOMOTIVE CELLULAR CONNECTIVITY



AUTOMOTIVE CELLULAR CONNECTIVITY / TOPICS



5G IS AN IMPORTANT DRIVER OF FUTURE MOBILITY

Precise Positioning

Mobile Edge Computing (MEC) 5G

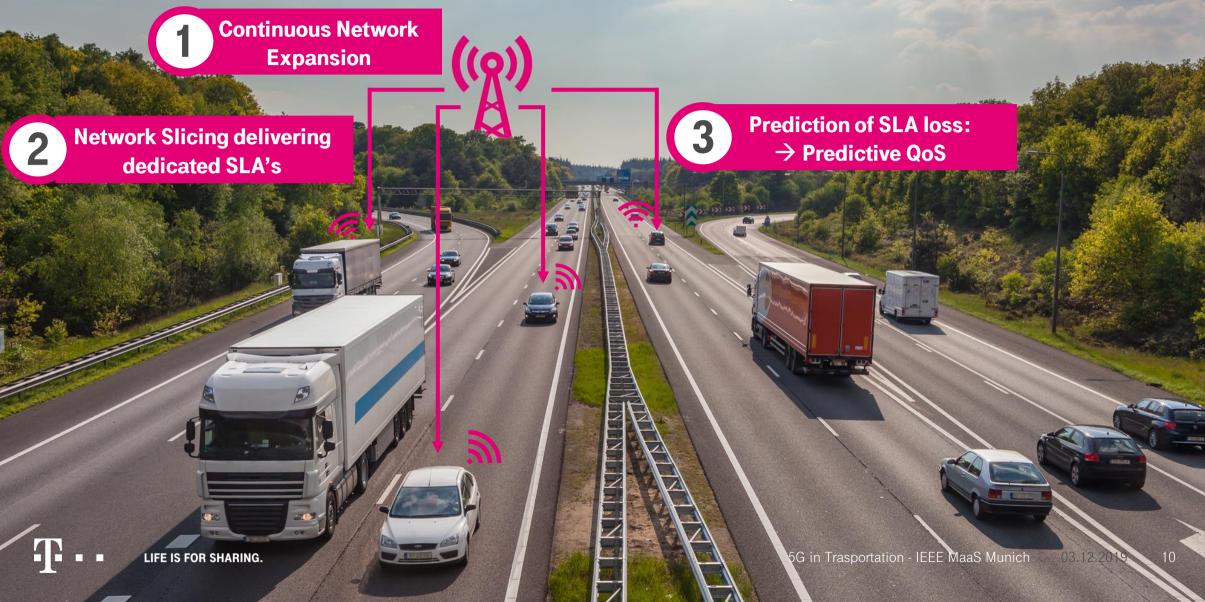
Traffic Infrastructure

Tele-Operated Vehicles

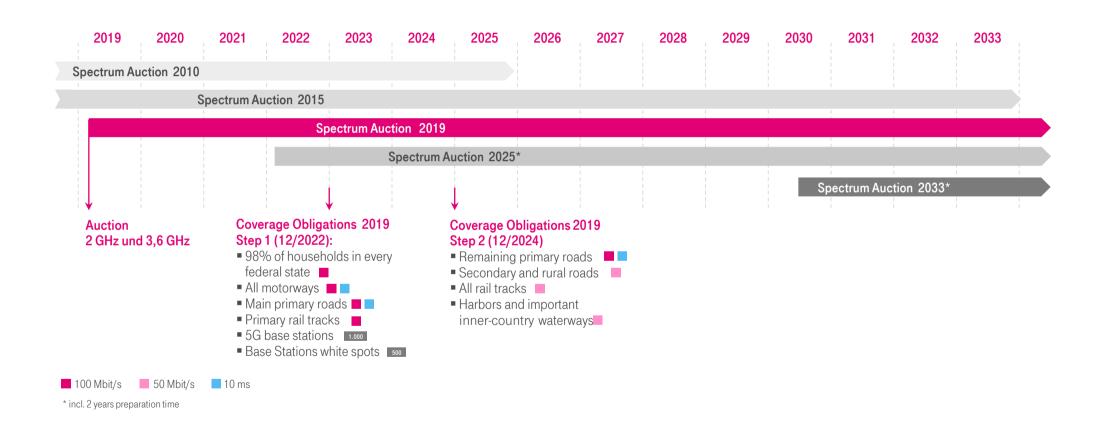
OTA Distribution Platform

Predictive Quality of Service In-Car Broadband Global Car Connectivity

UBIQITOUS AVAILABILITY: ONE STRATEGY, 3 ACTION CLUSTERS

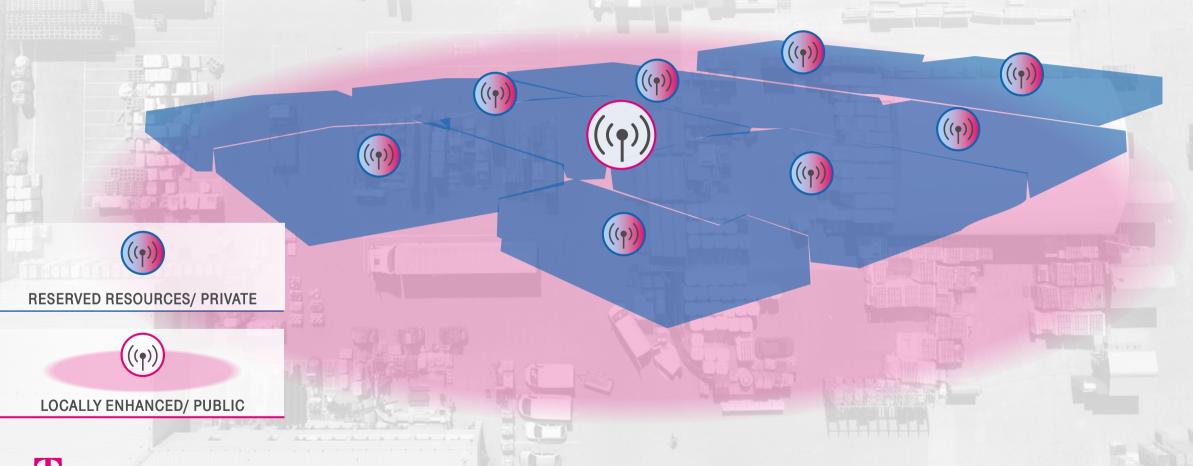


SPECTRUM AUCTIONS: → **COVERAGE** (EXAMPLE GERMANY)



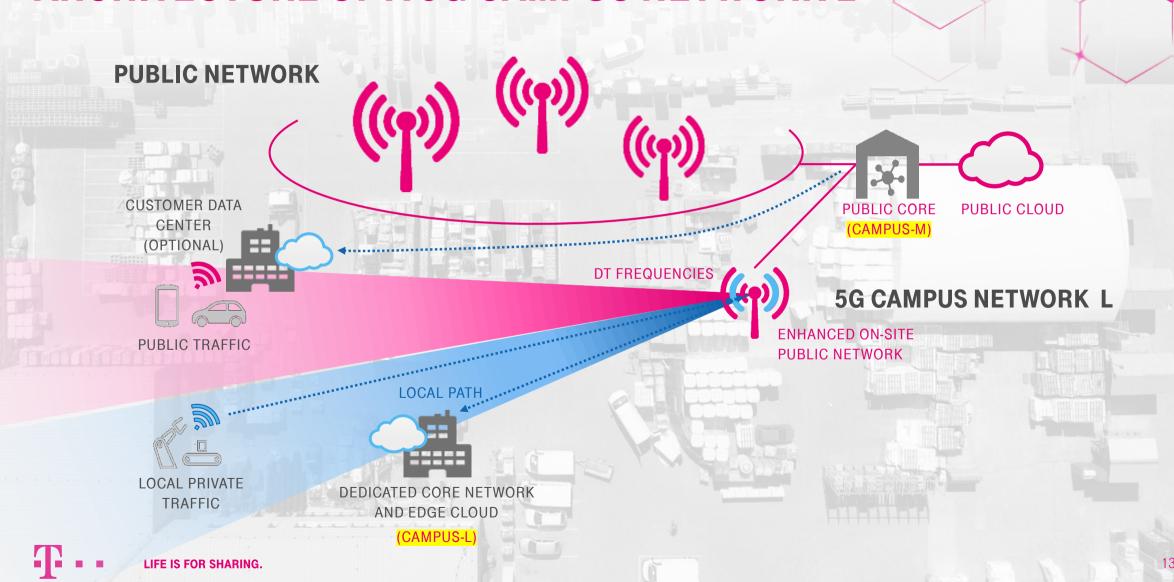


SLICING TODAY: 5G CAMPUS NETWORKS WITH A PUBLIC AND A PRIVATE NETWORK



■ ■ ■ LIFE IS FOR SHARING

ARCHITECTURE OF A 5G CAMPUS NETWORK L

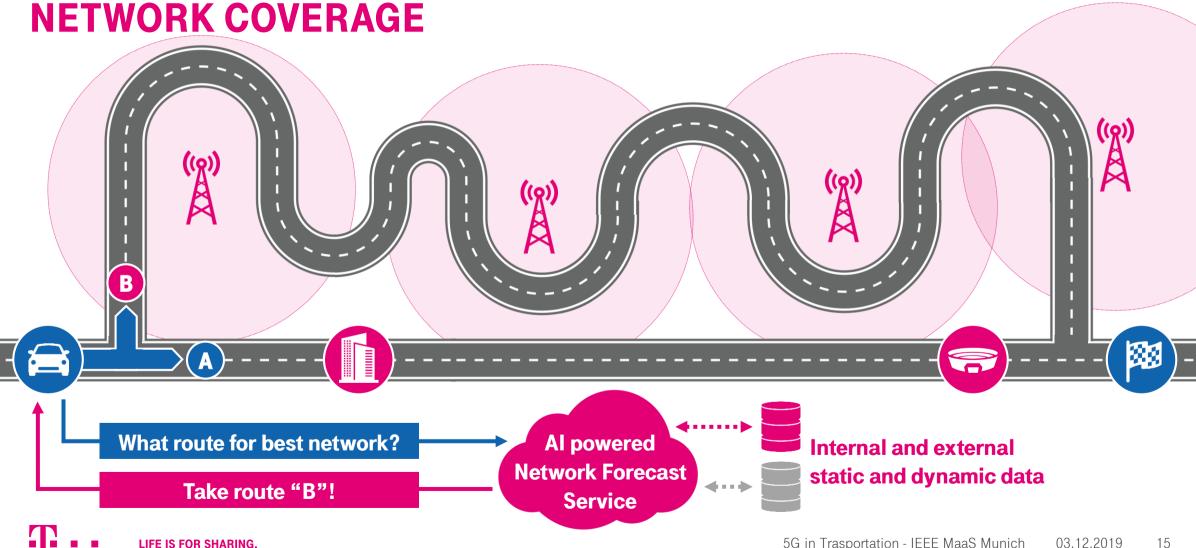


EXAMPLE FOR NETWORK SLICING: TELE-OPERATIONS AS PART OF AUTONOMOUS DRIVING

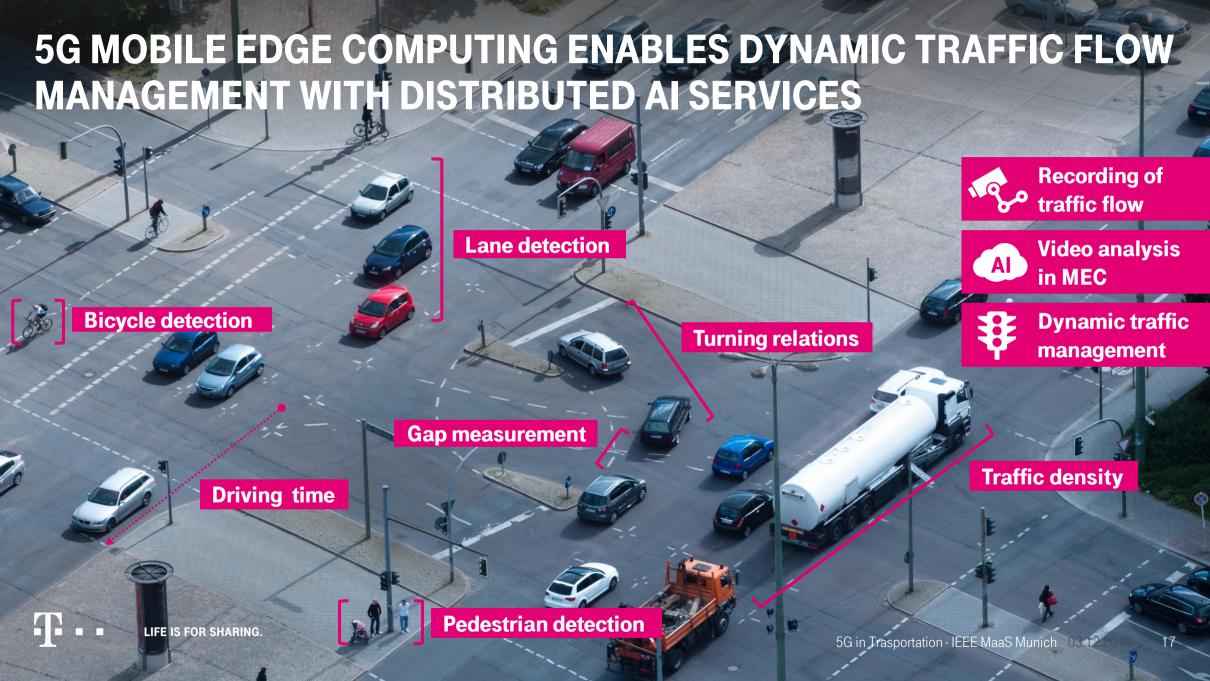




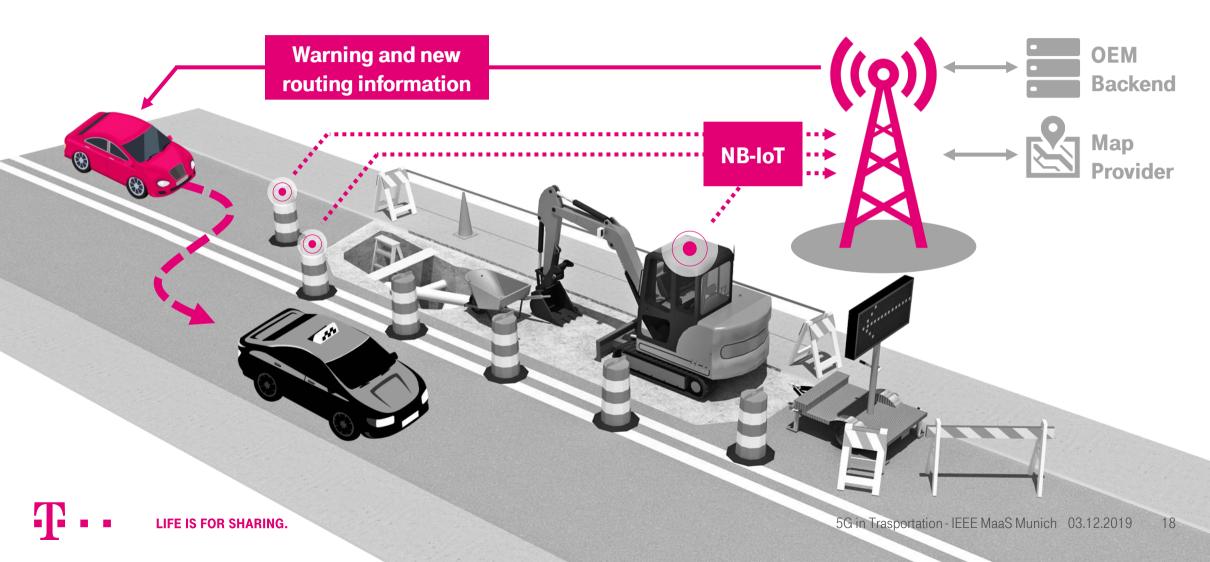
PREDICTIVE QUALITY OF SERVICE HELPS TO ANTICIPATE



5G PRECISE POSITIONING WITH "LANE LEVEL" ACCURACY **Cloud Service** delivers real-time **GNSS** correction data **GNSS** data subject to errors, e.g. atmospheric Network of reference conditions stations measures **GNSS errors** Calculation of precise position for autonomous driving features, accuracy approx. 1-5cm LIFE IS FOR SHARING. 5G in Trasportation - IEEE MaaS Munich



TRAFFIC INFRASTRUCTURE: LOCATION TRACKING OF CONSTRUCTION EQUIPMENT VIA NB-IOT



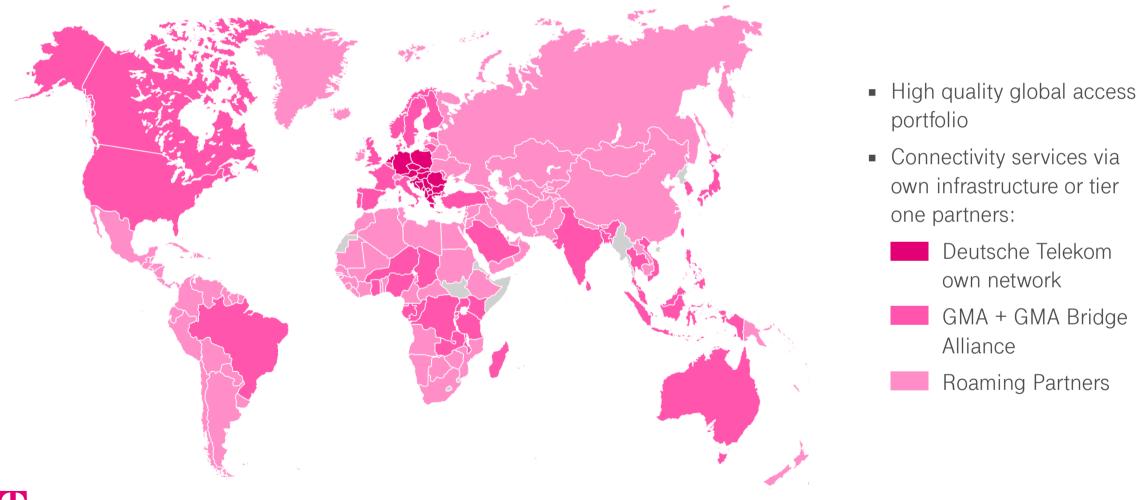


5G IMPROVES IN-CAR BROADBAND FOR PASSENGERS INCL. VOD, CLOUD-GAMING OR VIDEO CONFERENCING





5G CAPABILITIES NEEDS TO BE PROVIDED GLOBALLY



5GAA created to connect telecom industry and vehicle manufacturers and work closely together to develop end-to-end connectivity solutions for future mobility and transportation services



AUTOMOTIVE INDUSTRY

Vehicle Platform, Hardware and Software Solutions



TELECOMMUNICATIONS

Connectivity and Networking Systems, Devices and Technologies

End-to-end solutions for intelligent transportation, mobility systems and smart cities





























































































































































































































































































