CROWN CASTLE

Wireless Infrastructure & Telecommunications

Transportation in the Smart City Ecosystem

DECEMBER
2019

The pathway to possible.

About Crown Castle

40,000+
towers

75,000+
small cells on air or under contract

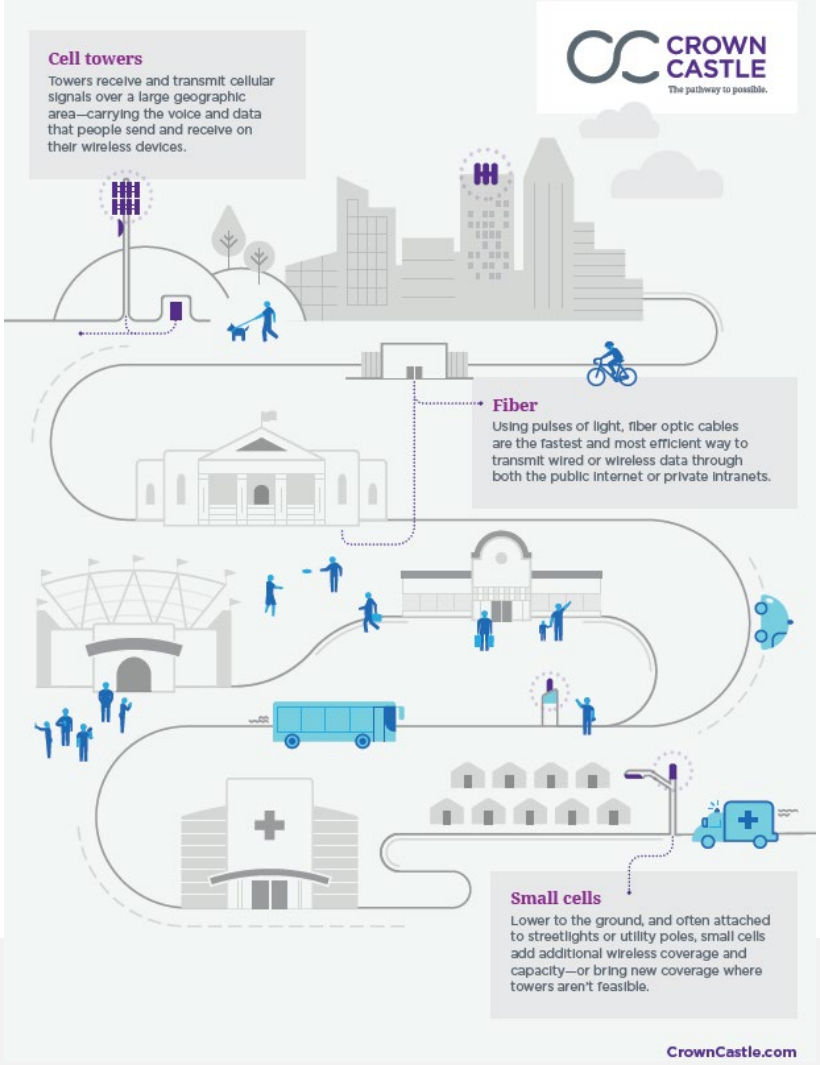
75,000+
route miles of fiber

In Pennsylvania

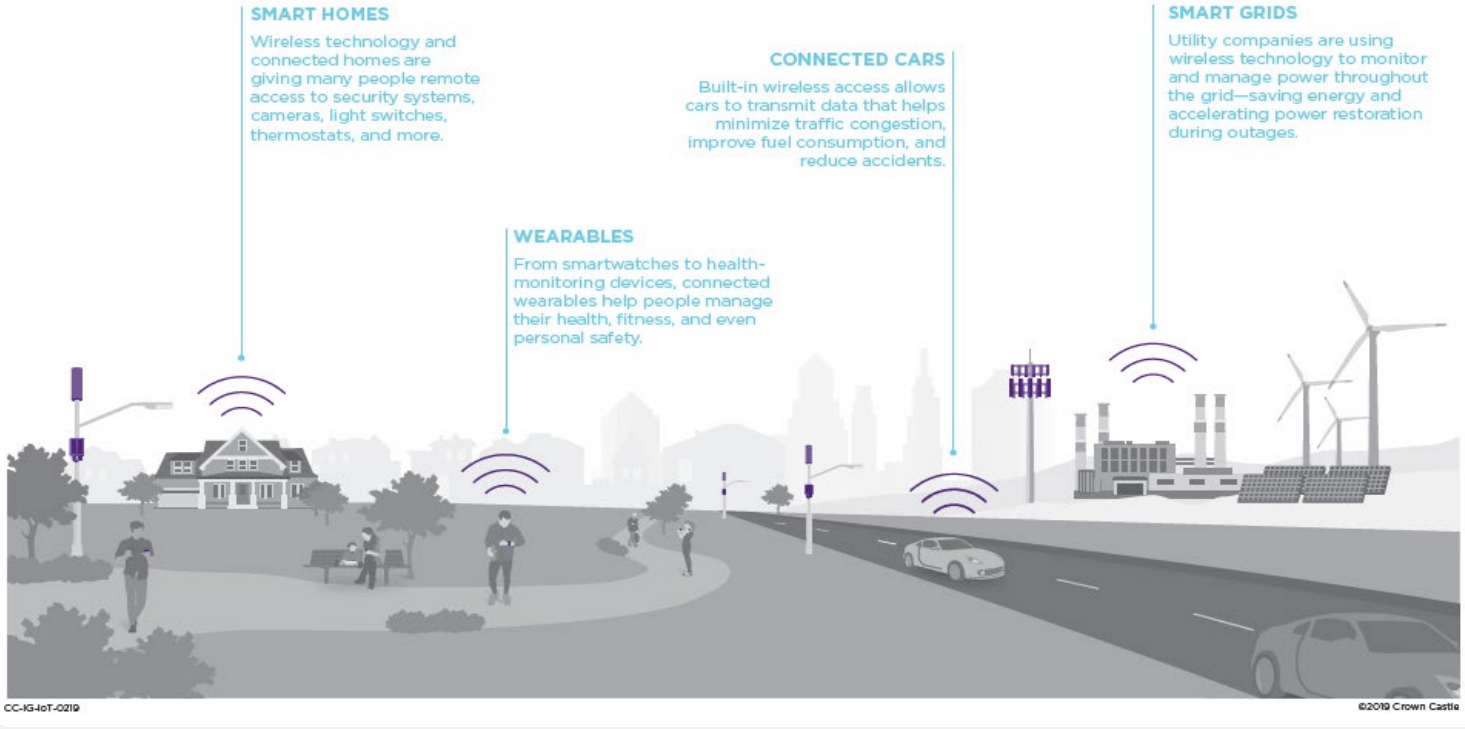
2,120 towers/macro sites	**3,450** small cell nodes	**11,190** fiber miles
more than **97%**[1] estimated population coverage of 13,288,810[1]		**735** zoning and permitting jurisdictions
1,345 resident employees	**2,660** buildings connected by our fiber	**220** government, school, and public safety customers

PROPRIETARY & CONFIDENTIAL

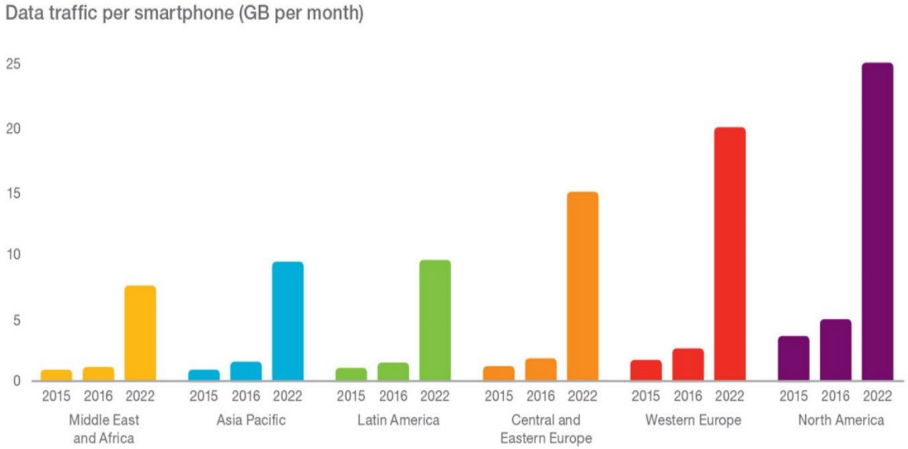
How Infrastructure Impacts Wireless Connectivity

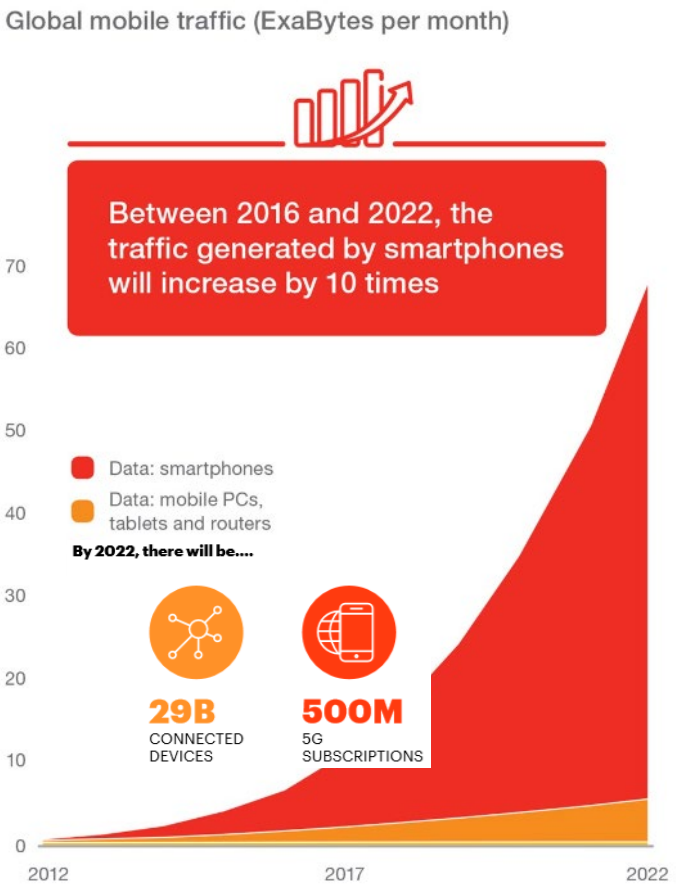


Smart City Applications



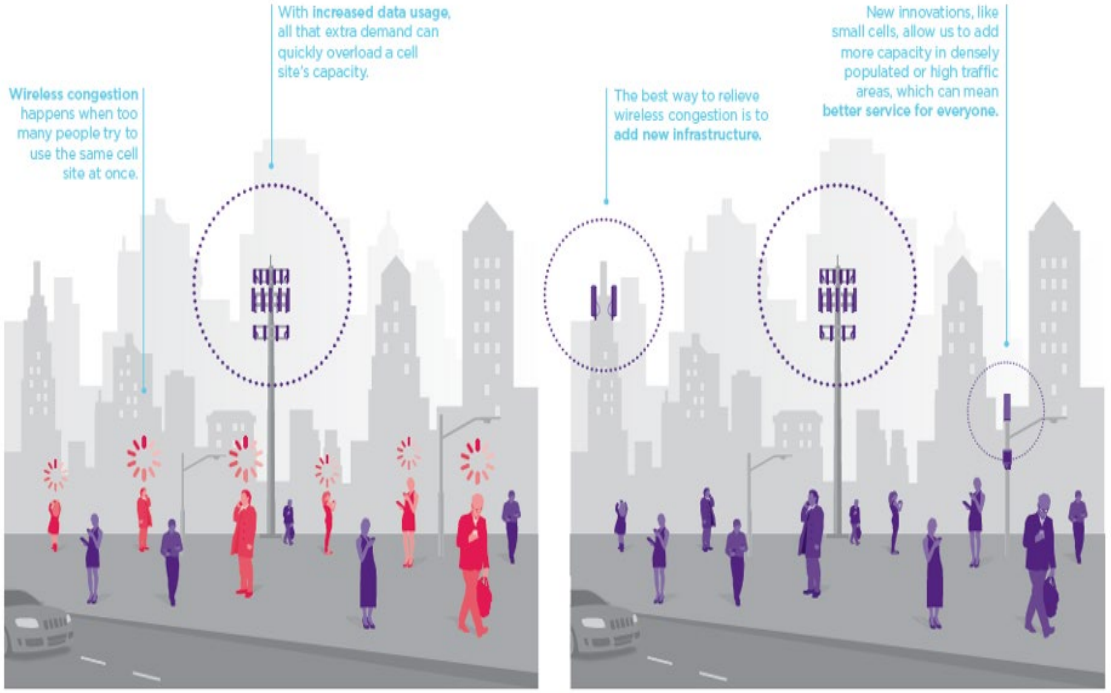
Data Consumption

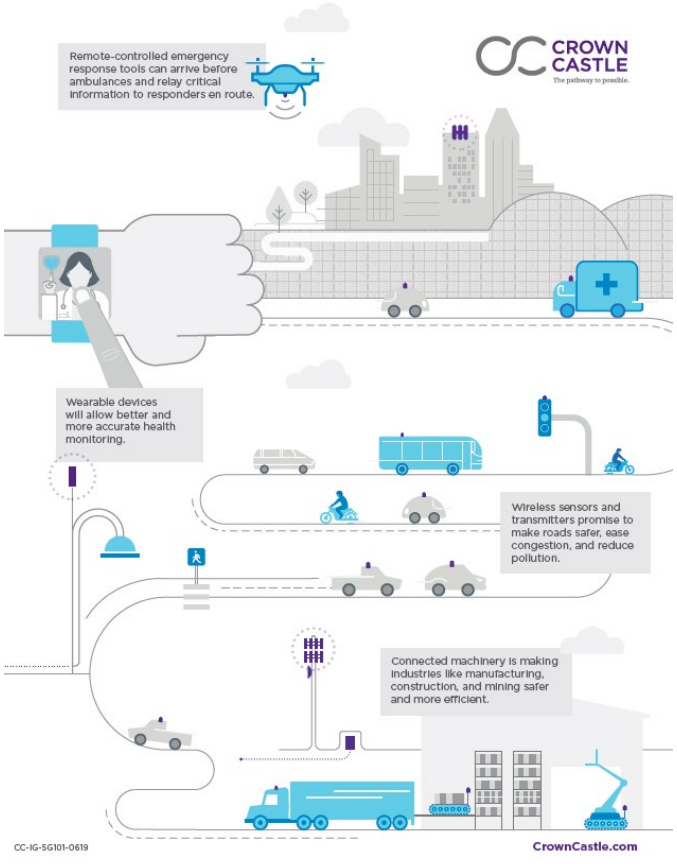




1 Exabyte = 1 Billion Gigabytes

Data Congestion vs. Capacity

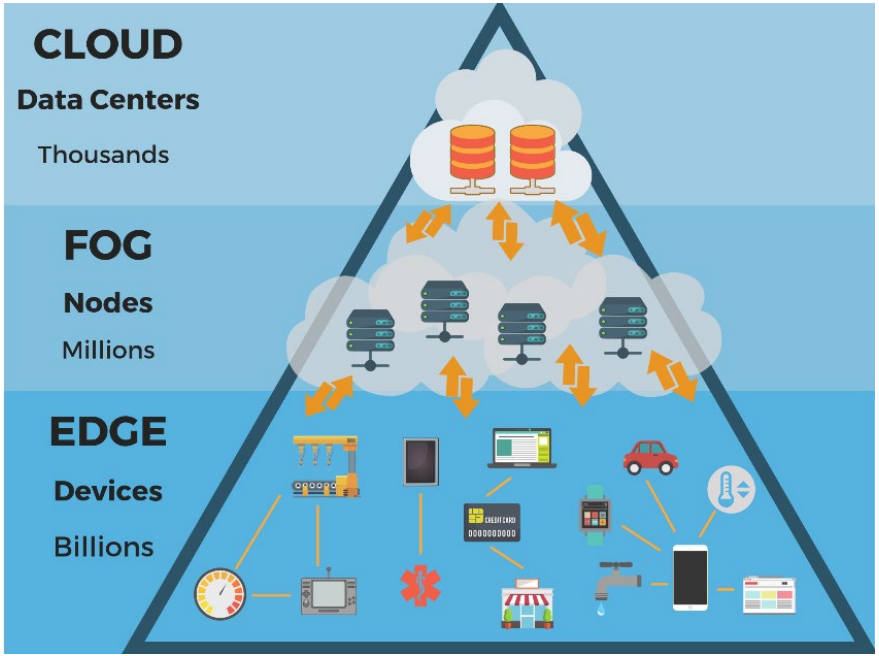




The transition to a 5G world.

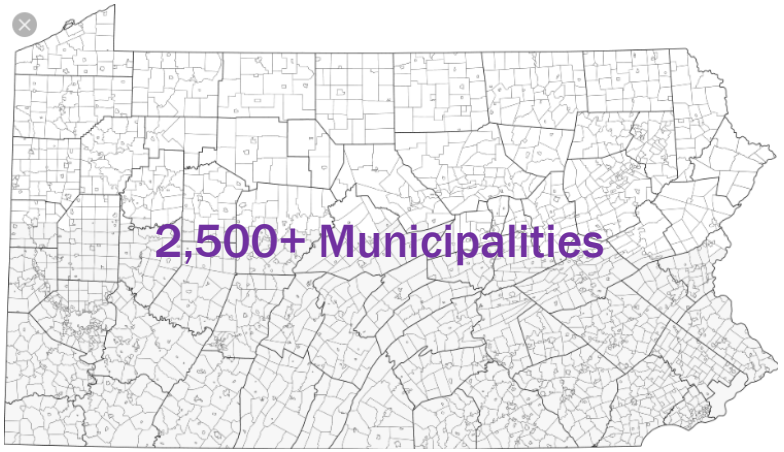
Bringing the Network Closer

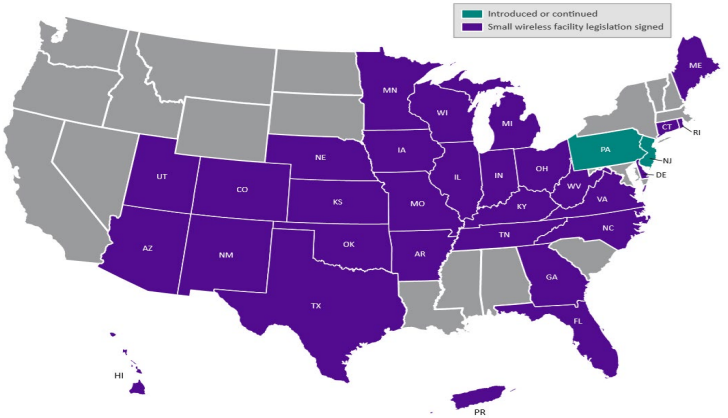
Small Cells



Edge Computing

Industry Challenges & Opportunities





Thank you

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