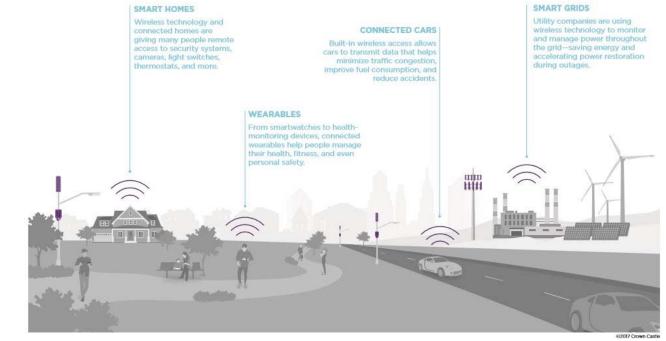


The pathway to possible.

Heterogeneous Networks



The "Internet of Things" and the infrastructure that enables it. The internet revolution changed the way we use computers. Then wireless internet came along and made our phones smart and tablets possible. But that was just the beginning. Wireless data is changing the way we exercise, drive our cars, manage our homes, and even deliver power to our cities. It's called the "Internet of Things." And our infrastructure is enabling the wireless connections that make it possible.





A more connected life.

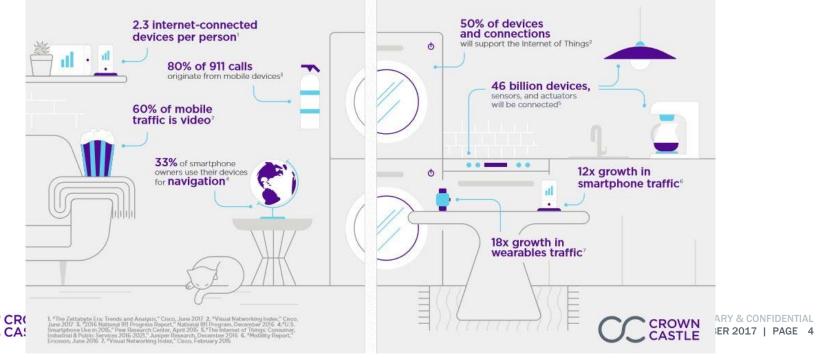
How technology is driving wireless demand.

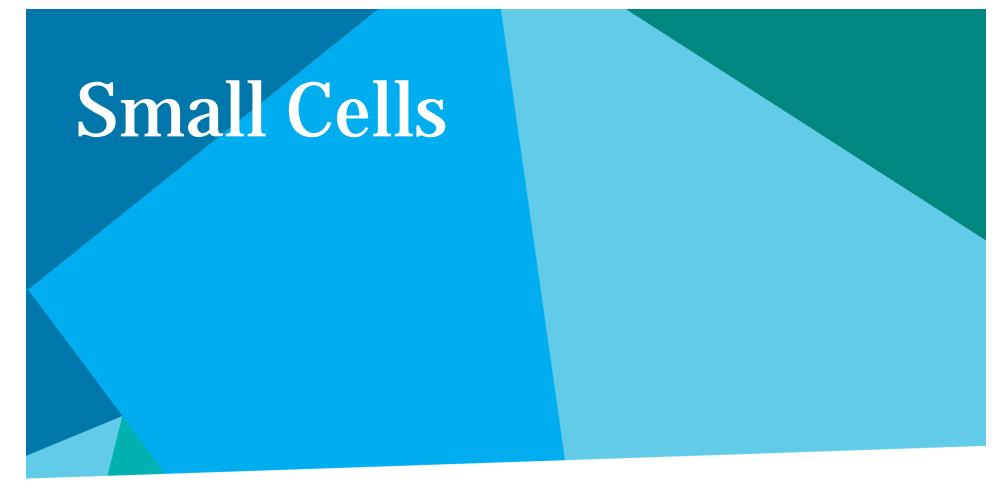
Where we are: today

We rely on mobile data now more than ever. Smarter devices, bigger screens, and faster data have led to a dramatic shift in the way we consume information and media—leading to a significant increase in mobile traffic.

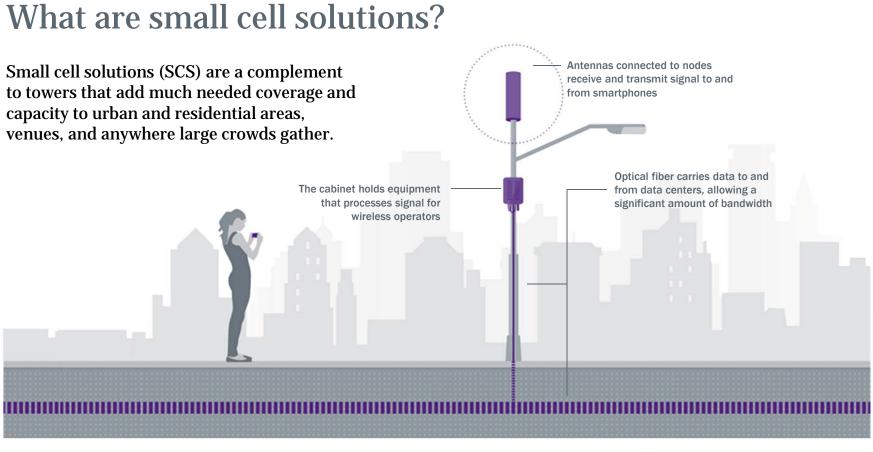
Where we're going: 2021

In the next 5 years, new developments like 5G and the Internet of Things (IoT) will drive even more of our lives—and things—online. This new technological growth is projected to bring about even greater data demand and usage.

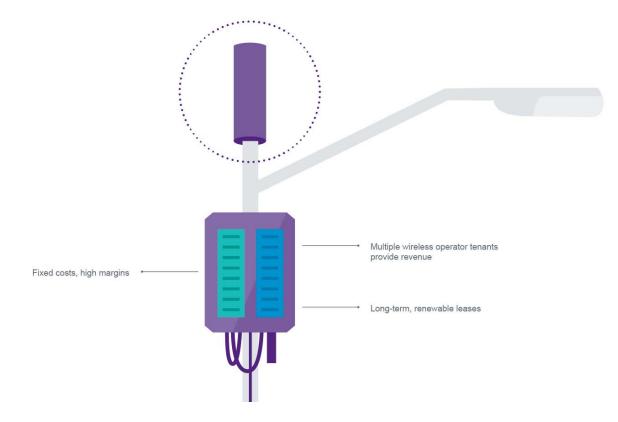














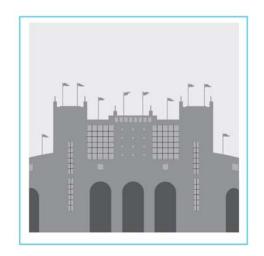
Where small cell solutions soar.



In densely populated areas



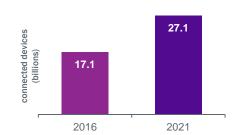
In challenging geography



In venues that accommodate large crowds

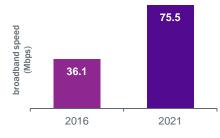


New technologies are driving greater data demand and usage.



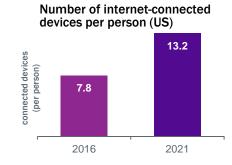
Number of connected devices

Average broadband speed (US)

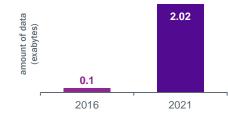


Source: Visual Networking Index, Cisco, June 2017.

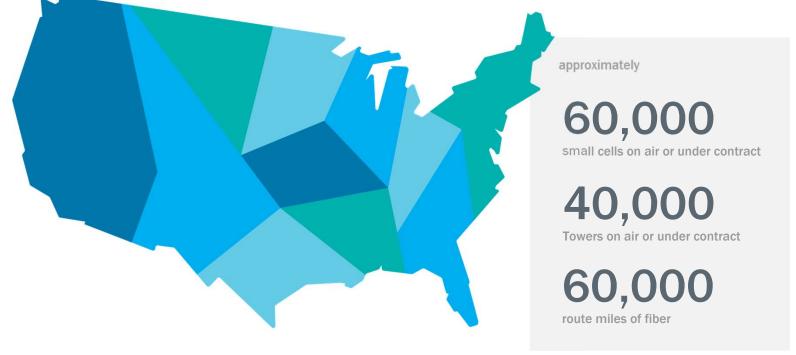




Growth of live mobile video



Our reach: 60,000 small cell nodes and 40, 000 towers supported by approximately 60,000 route miles of fiber.





How the Industry Works



Where is the Industry going?







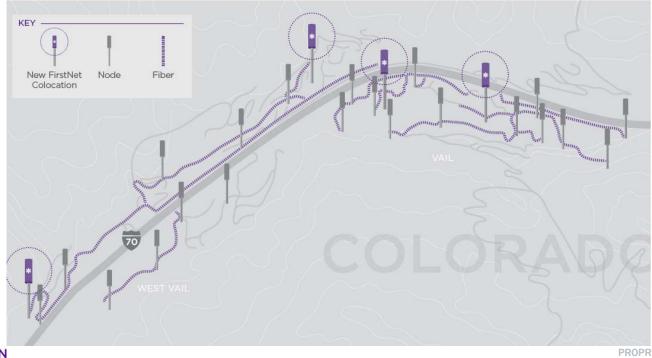




Breaking new ground for emergency networks.



At the FIS Alpine World Ski Championships, local, state, and federal government entities will be using the FirstNet spectrum for an LTE demonstration. The state of Colorado's FirstNet team led the efforts on this first-of-its-kind deployment, utilizing the Band Class 14 spectrum over DAS (Distributed Antenna System), a type of small cell solutions (SCS) installation. Crown Castle's existing SCS nodes and fiber within the Town of Vail were ideally placed for the rapid deployment.





Vail Video





