



Preparing your community for the future.

Communications Infrastructure and East Lansing

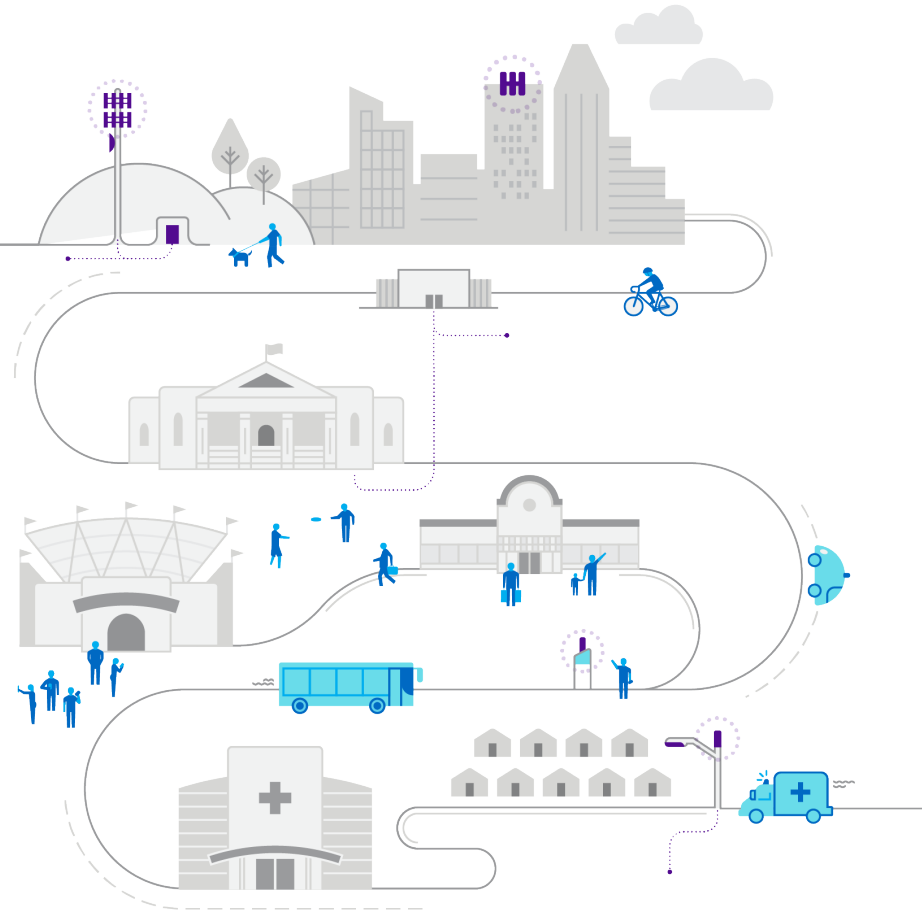
FEBRUARY
2023

The pathway to possible.

Our role in your world.

**Connecting people, businesses
and communities.**

We own and operate the nation's most comprehensive portfolio of communications infrastructure. It all works together to meet unprecedented demand—connecting everything and everyone, erasing life's conventional boundaries.



We've been connecting communities for over 25 years.

approximately

85,000

route miles of fiber

approximately

115,000

small cells on air or
under contract

40,000+

towers

small cells deployed in

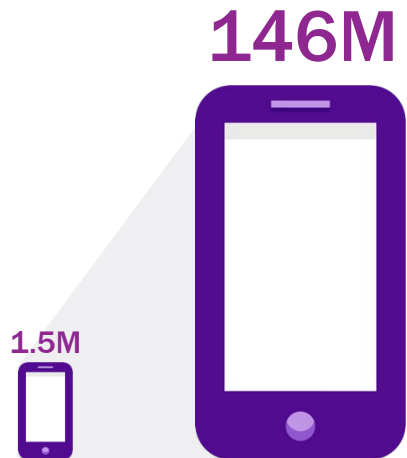
700+

municipalities

Our deep experience and diverse portfolio of towers, small cells and fiber allow us to serve your community's unique needs.

Everything and everyone is connected.

5G-ENABLED MOBILE DEVICES IN U.S.



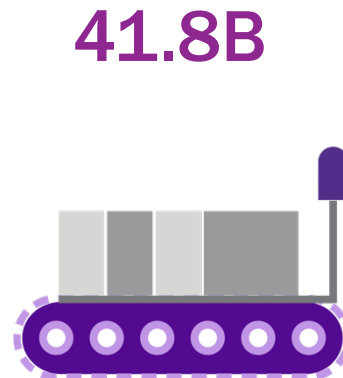
From 2020 to 2024¹

WEARABLE DEVICES



Worldwide by 2022²

CONNECTED IOT DEVICES



Worldwide by 2025³

¹ IDC, *U.S. 5G Smartphone Forecast, 2020–2024*, 2020.

² Statista, *Number of connected wearable devices worldwide from 2016-2022*, 2021.

³ IDC, *IoT Growth Demands Rethink of Long-Term Storage Strategies*, 2020.

Communications infrastructure enables services that keep us safe, healthy and connected.

Reliable mobile service is essential in an emergency.

50% of US households don't have a land line.¹

80% of 911 calls originate from a cell phone.¹

Connected patient care keeps residents healthy.

Advanced connectivity enables doctors to connect with their patients more frequently and conveniently through telemedicine.

Up to **40%** reduction in hospital readmissions from services like remote heart monitors.²

¹ FCC.gov.

² Juniper Research, *Smart Cities – What's in It for Citizens?*

Smarter public infrastructure promotes safety.

Smart city technologies like connected traffic systems can improve driving behavior and congestion—resulting in 15% faster emergency response times.

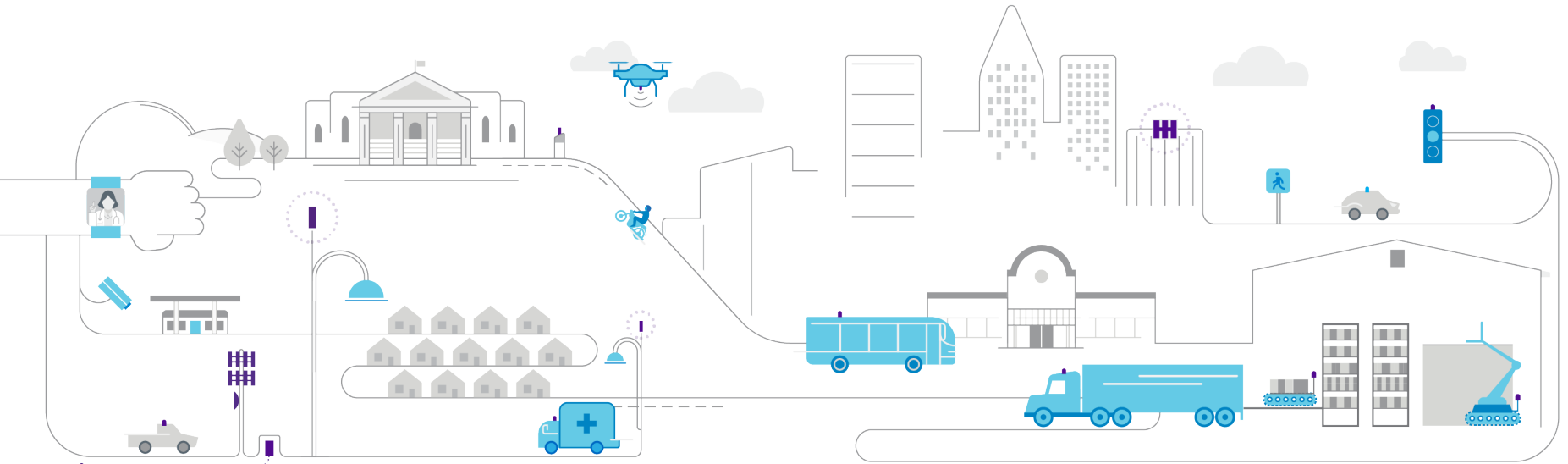
15% reduction in emergency response times.²

Faster cell service aids critical services.

With 5G, the new generation of wireless connectivity, **first responders can receive critical information**—including video and precise location data—in real time.

5G is paving the way for innovation.

With the right infrastructure in place, 5G will connect 100X more devices at up to 100X faster speeds,¹ enabling innovative technologies, effortless interaction and enhanced mobile experiences.



¹ CTIA, *Spectrum Policy*, 2020.

Small cells fortify networks where people need them most.

- Small in size, with a low profile to blend in with surroundings
- Low-powered, with each node covering a small area
- Good complement for areas with high-capacity data needs



We're building to enable connectivity.



New Metal Pole
16



Metal Pole Replacement
15



Wood Pole Replacement
14



New Wood Pole
9

We're with you from start to finish:

1

Design & Permitting

Finalizing the network design and submitting permit applications over the next 1 – 3 months.

2

Construction

Construction expected to start in the fall of 2023 and be completed in early 2024.

3

Post-Construction

Perform annual inspections and conduct random visual reviews post-installation.

Answer phone or email inquiries in the event of an issue or emergency through our Network Operations Center 24/7/365.

For further information please contact:

lansingarea@crowncastle.com

Appendix

We're a public utility in nearly every state, including Michigan

