WTA Associate Member Committee Panel

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NO

Smart Agriclture in Rural America

Cultivating Opportunities and Growth

- The role of broadband and connectivity on the farm
- Precision agriculture, food security cyber-threats and how broadband providers play a critical role in these areas
- The work Grand Farm has done to research and drive technology adoption on the farm
- How does SRT support it's farming community and lessons learned in those endeavors











Grand Farm Innovation Shop





Grand Farm Autonomous Nation



An Introduction to SRT

- Incorporated in 1951 to serve north-central North Dakota
- Multi Gig-Capable Internet and Wi-Fi, Metro Ethernet, business phone systems, security and surveillance, voice services, and data networking
- By the numbers:
 - 8,000 square-mile service area
 - 176 employees
 - 32 Gigabit Communities
 - \$116,000,000 internet infrastructure investment
 - 8,500+ miles of fiber
 - 24,000 customers

Canada

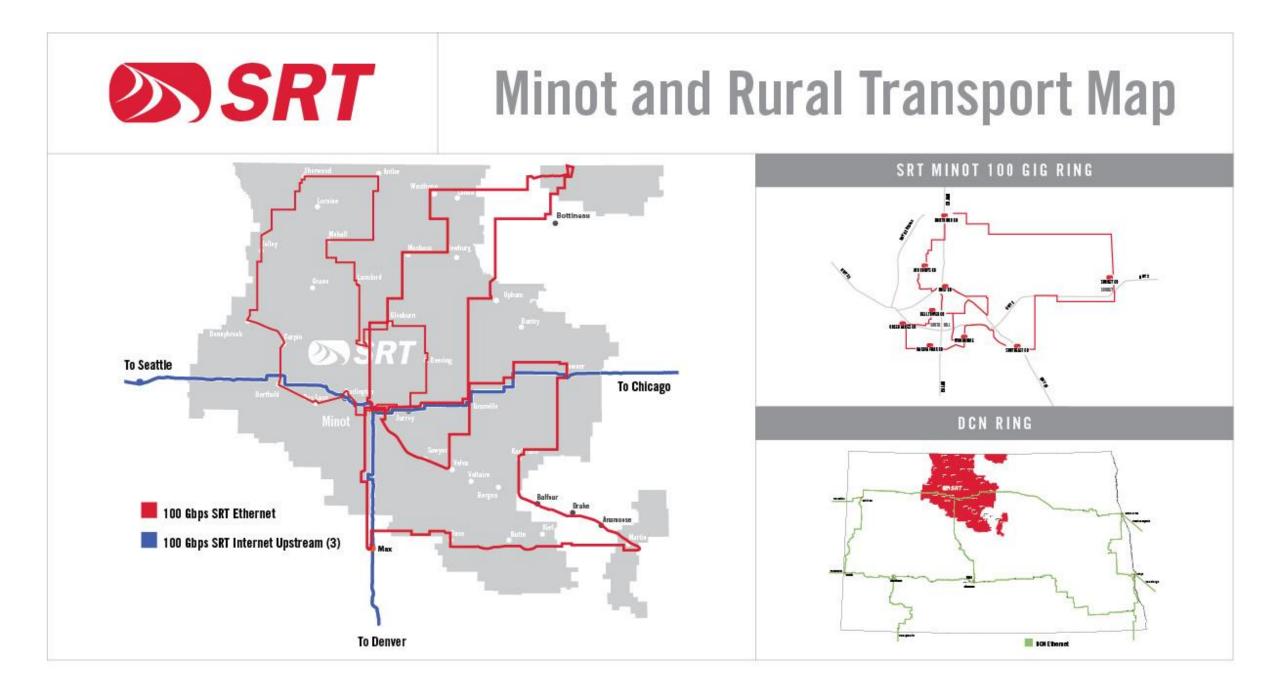


North Dakota

Impact and Mission

- SRT service area includes the city of Minot, a U.S. Air Force Base, rural towns, and remote farms all marked by distance, weather, and sparsely populated stretches in between
- Imperative to bring fiber to every community, no matter the size
 - Levels access to information, services, and choice across geography
 - Brings new opportunity to the state and region while preserving all the reasons people love living and working here





Broadband Strategy

- Backbone and transport services up to 100 Gbps through four Ethernet rings
 - Ensures high availability, reliability, sub-50 ms recovery.
- Three independent 100-Gig paths through geographically diverse and redundant routes to the global Internet
- Latest switching, routing, compute, and premise architecture
 - Delivers up to 10 Gbps services throughout service area





Impact on Communities

- Agriculture
- Telehealth
- Education
- Business
- Amenities
- Tourism
- Relocation
- Quality of Life







Scaling for the Future

Minot Air Force Base

- Nokia 100-Gig ring upgrades
- Housing/network capacity needs



Trinity Regional Healthcare Campus

• \$500 million medical facility opened in 2023



Data Centers

- Capacity needed to scale
- Reliable, 24/7 Connectivity

