

Enabling a world that can trust wireless connectivity to be simple.

Precision farming involves using sensors and other IoT devices to collect data on crops, soil conditions, weather patterns, and other factors that affect crop growth and yield. This data can be analyzed to identify patterns and trends, and to make informed decisions about when to plant, fertilize, irrigate, and harvest crops. With all of these sensors and IoT devices, a Private cellular network would secure connectivity for the devices and applications. These networks provide dedicated, secure connectivity for devices and applications, and can be used to support a wide range of use cases. By collecting and analyzing data from sensors and other devices in the field, farmers can make informed decisions about how to optimize crop yields, reduce costs, and improve overall farm productivity.



USE CASES FOR FARMING AND AGRICULTURE



Autonomous Vehicles

Connectivity for seamless transfer of data between autonomous vehicles, weeders, sprayers, tractors



Remote Sensors

Real-time data collected with remote sensor connectivity (soil moisture/fertility, weather, temperature)



Remote Management

Increased efficiency and optimal crop production with remote management and control of critical systems



Surveillance

Video surveillance and monitoring of assets, the health and behavior of their livestock with real-time alerts

BENEFITS OF GXC ONYX PRIVATE CELLULAR NETWORKS



Improve Efficiency

Reliable connectivity to improve efficiency and effectiveness of farming network operations



Secure Data

Ensure data is collected reliably and securely, without interference from other networks or devices



Complete Coverage

Provide unparalleled connectivity and coverage at a low-cost vs. public networks, satellite or Wi-Fi



Cost Effective

Reduce person hours and lower crop yield costs via wireless connectivity and automation

MESH ALLOWS YOU TO TAKE THE NETWORK WHERE YOU NEED IT

Leverage GXC's patented Cellular Mesh technology to provide:

- Quick network deployments at low-cost
- Network mobility - can move, relocate or repurpose the private network
- Rural internet access without LAN/fiber installed in fields (GXC Mesh)