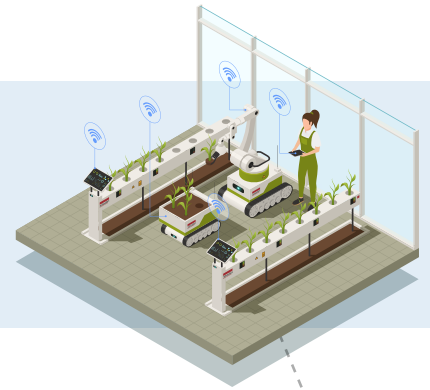


# SMART FARMING CONNECTIVITY SOLUTIONS

## Remote Monitoring for Agricultural Operations

Traditional agricultural operations require farm owners and their teams of farm hands to be physically present day in and day out. The success or failure of crops can depend upon soil conditions, the state of farming equipment, weather fluctuations, and so much more. Today, many farmers are turning to technology to provide push button solutions that give them greater levels of control over their farming environments and operations.



### Business Needs | Real-Time Data and Remote Control

Many farmers are looking to automate the various components of their farming operations to ensure maximum crop yields. They need to know if their soil is too hot, too dry, too wet, too acidic, or just right. They need to be able to automate irrigation and nutrient delivery systems, but also be able to tell in an instant if those systems are functioning properly. For indoor growing operations this becomes even more important as farmers to monitor and control fans, pumps, tank levels, and lighting systems. But even more importantly, those managing these farms, across multiple fields and grow houses, need to be able to access and control all these systems remotely, from a single pane of glass.

### Solution Overview | Cradlepoint Routers and Poynting Antennas

Smart farming technologies place the power to precisely control environments directly into every farmers hands. Connectivity enabled by Cradlepoint cellular routers and Poynting IoT Antennas allows farmers to utilize various smart sensors that provide real-time updates regarding soil temperatures, moisture content, humidity levels, and more enabling farmers to optimize their growing operations. Farm managers can remotely access and control critical items like light and water systems to ensure continuously ideal growing conditions.

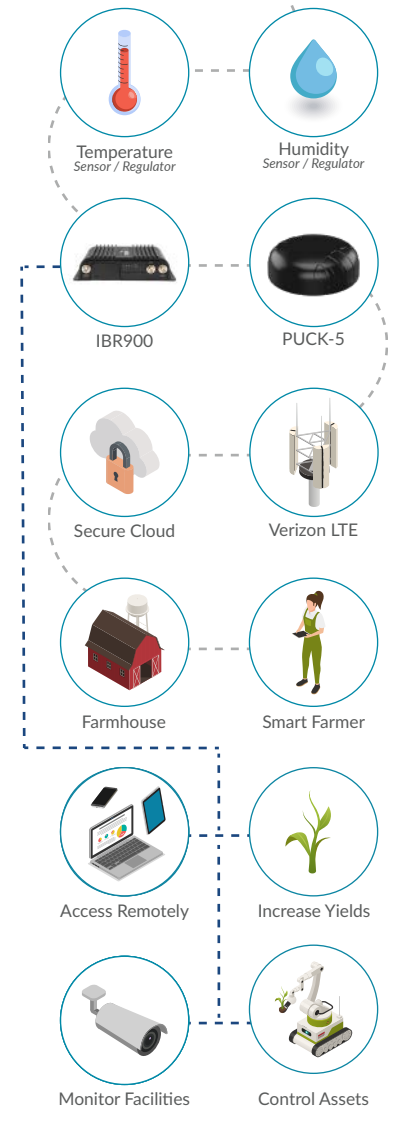
### Benefits Observed | Increased Yields, Visibility, and Control

Whether your growing operations take place in or out of doors, farmers utilizing the newest cellular routers from Cradlepoint coupled with NetCloud services can easily access and control automated farming equipment from a single computer or smart device remotely. With signal boosting antennas from Poynting that can more easily and reliably connect to wired and wireless equipment and sensors to control growing environments in real-time. Accordingly, instead of uncontrolled losses resulting from suboptimal growing conditions, they experience significant growth in crop yields.

### Our Team | Device Provisioning, Activation and Installation Services

For the last 25 years USAT has provided expert IoT connectivity solutions for smart farming operations. We provide top-tier support for every aspect of your mission-critical fixed and mobile connectivity projects. The solutions engineers we employ configure, provision, kit, and ship every one of your devices hot and ready for immediate use. And when you utilize our installation services, our techs ensure all of your devices are functioning securely, reliably, and at peak performance on ultra-fast network carriers like Verizon.

Router: <b>IBR900-600M</b>	Software: <b>NetCloud IoT</b>	Antenna: <b>PUCK-5</b>	Network: <b>Verizon</b>
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**CONTACT US TO ENGINEER YOUR CONNECTIVITY SOLUTION TODAY**

