SqwaQ

SMART AGRICULTURE

Agricultural is at crucial tipping point where man and machine efficiencies have to be maximized to increase yields and profits. Autonomous farm equipment can provide a clear advantage in performing traditional farming applications.

APPLICATIONS

Most Field Operations performed currently by today's Tractors:

- Grain hauling
- Discing
- Plowing
- Cultivating
- Spraying/Fertilizing
- Mowing
- Fueling

WHAT IS REQUIRED?

SqwaQ's "Rugged Router"

- 20+ Mbs of 2-way connectivity
- 4G LTE prioritized bonded cell service
- Ability to support multiple interfaces
- Connections for:
  - Cameras
  - GPS & SAT antennas
  - LiDAR
  - Sensors & Servos
  - Other IoT devices

BENEFITS OF SMART AGRICULTURE

The world's population is growing and the number of people starting a career in farming is declining. New methods have to be employed to meet the world's food demand. How do you farm more acreage, in more hours, producing a higher yield/acre? Enter driverless farm vehicles.

SqwaQ has patented technology developed initially to command and control Drones beyond visual line of sight (hundreds of miles). This technology is well suited to provide remote control for farm vehicles with it's massive real time data connection and its ability to connect to cameras, sensors and control mechanisms.

INCREASED PRODUCTION INCREASED PROFIT

- Multiple tractors can be operated simultaneously
- More acreage can be covered in 24 hour period
- Autonomous tractors can operate day or night
  - 24/7/365
- Reduction in farmer fatigue reduces mistakes
- Weather disruptions can be avoided by extended opterations

A DRIVERLESS TRACTOR AND SEEDING MACHINE WITH UNPRECEDENTED PLANTING ACCURACY WILL IMPROVE AGRICULTURAL PRODUCTIVITY FOR FARMERS.

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