Persimmon

We build **smart agriculture** automation systems to help **you** produce more efficiently.

Smart Farming Starts with Good Data

GreenThumb™ sensors collect data from plants and livestock.

Utilizing cutting-edge sensor technology, plant data collection is revolutionizing agriculture by providing real-time insights into crop health, moisture levels, and nutrient requirements. These sensors, strategically placed within fields, continuously monitor key parameters such as soil moisture, temperature, and nutrient levels. This data enables farmers to make informed decisions regarding irrigation scheduling, fertilizer application, and pest management, ultimately optimizing crop yield and quality while conserving resources.

Innovative sensor technologies are transforming livestock management by enabling comprehensive data collection on animal health, behavior, and environmental conditions. These sensors, embedded in wearable devices or installed within barns and pastures, monitor vital signs, activity levels, and feed intake of individual animals. By analyzing this data, farmers can detect signs of illness or distress early, optimize feeding regimens, and improve overall herd management practices, ultimately enhancing animal welfare and farm productivity.

AI-Powered Plant Insights

Actionable recommendations to optimize cultivation, increase yield, and effectively mitigate risks.

Harness the potential of advanced algorithms to transform raw agricultural data into actionable intelligence. Analyze soil composition, weather patterns, and crop health metrics collected from sensors to detect patterns, identify anomalies, and predict optimal conditions for plant growth. These insights enable farmers to make data-driven decisions regarding irrigation scheduling, fertilizer application, and pest management, resulting in improved crop yield, resource efficiency, and overall farm profitability.

Automated crop spraying

Leverage our managed fleet of drones

Efficiently and accurately apply pesticides or fertilizers to crops, reducing labor costs and minimizing environmental impact.

Precision Agriculture

Optimize farming practices, maximize crop yield, and minimize waste.

Plant Data Analytics

Use data to optimize plant growth and yield.

Field IoT

Connect agricultural devices for efficient data collection and management.

Smart Field Equipment

Integrate technology for precision farming operations.

Drones

Provide aerial insights for monitoring and managing crops.

Farm Management

Streamline operations and decision-making processes on the farm.

Robotics

Automate tasks to increase efficiency and productivity in agriculture.

Grow your business today

Take the first step towards enhanced efficiency and profitability by implementing innovative solutions tailored to your farm's needs.

Contact Information:

- Phone: +1 (386) 288 – 9936
- Email: hello.world@infinite-omicron.com