

Field Intelligence for Modern Agriculture: 40x More Acreage per Day



97.5% Better

Scouting efficiency increase through AI-guided targeted field inspections replacing manual methods

40x More

Acreage inspected per day — satellite and drone guidance enabling coverage impossible with traditional scouting

99% Faster

Data turnaround improvement enabling faster crop management decisions and earlier disease detection

SERVICES

-  AI Solutions
-  Data Engineering
-  Experience Design

TECHNOLOGY

-  AI Image Processing
-  Geospatial Analytics
-  Predictive Analytics
-  Machine Learning Pipeline

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THE CHALLENGE

Evergreen, an agribusiness cooperative committed to advancing agricultural science, set out to transform traditional farming into a more precise, data-driven system. Their "Field of the Future" vision was constrained by conventional crop scouting — manual inspections were slow and error-prone, often detecting disease only after it had already impacted yields.

OCI built the Agtrinsic App, using AI and machine learning to analyze satellite imagery and weather data to pinpoint subtle disease patterns and environmental stress indicators. The system directs both drone and human scouts to the specific areas that require attention.

Growers achieved a 97.5% increase in scouting efficiency, inspecting 40x more acreage per day — with 99% faster data turnaround enabling more precise, timely crop management decisions.

THE SHIFT

BEFORE Crop scouting relied on slow, manual inspections that often detected problems too late to prevent yield loss and significant product waste.

AFTER Growers inspect 40x more acres per day with 97.5% greater efficiency, protecting yields through early, targeted detection.

BRIDGE The AI-powered Agtrinsic App analyzing satellite imagery and weather data to guide drones and human scouts to problem areas.

WHAT WE BUILT

FEATURES AI-driven crop monitoring platform analyzing satellite imagery and weather data to identify disease patterns and stress indicators.

ADVANTAGES Detects disease patterns and crop stress earlier than traditional scouting methods, directing scouts precisely where they're needed.

BENEFITS 97.5% more efficient field inspections, 40x greater daily acreage coverage, and 99% faster data turnaround for improved yield protection.



Engineered to **evolve.**

Three decades of mission-critical systems, engineered for performance and agility.

Let's Talk - hello@objectcomputing.com