



UAV's for Golf Course Management



Turf!Solutions








The value of UAVs

Unmanned Aerial Vehicles (UAVs) are revolutionizing the turf industry, introducing golf course superintendents to never before seen course data and actionable analysis. Through the use of UAVs, users can identify areas of plant stress that can not be seen with the naked eye, in addition to browning or yellowing of turf. Aerial imagery also provides insight into water distribution patterns, identifying specific areas where water applications can be reduced while maintaining healthy turf, aesthetics, and improving playability.



Map key course features

Produce current maps and 3D renderings of courses, allowing golf course superintendents to see overall course health and areas of turf stress. Utilizing easy to use tools, superintendents and maintenance crews can monitor all course features, equipment and areas of interest from sprinkler heads to turf stress.

-  HOLE BOUNDARIES
-  HOLES
-  FAIRWAYS
-  GREENS
-  SAND BUNKERS



Easily track problem areas and treatment progress

Detect areas of stress and seek opportunities for water reduction. These areas are presented via ConnexiCore's software platform and are highlighted for management review. Using the ConnexiCore tools, problem areas can be tracked, follow up tasks can be assigned to maintenance crew members, and progress is monitored over time.

- STRESSED AREAS
- HIGH FLOURISHING





Pinpoint areas of interest with unmatched precision

Track specific turf problems such as yellowing/browning spots and potential over watered areas. Each critical area can be monitored over time to show reduction in turf browning and redistribution of water from over greened areas.



Yellowing



Light
Browning



Moderate
Browning



Severe
Browning



High
Flourishing

Transform aerial imagery into actionable data

Using ConnexiCore, areas of stress can be tracked from flight to flight and included in reports showing progress towards turf health and aesthetic goals. Stay up-to-date on turf health and improvement progress using your desktop or mobile device.



FIRST FLIGHT
Mild Browning



MOBILE TASKS
Turf Management



SECOND FLIGHT
Light Browning

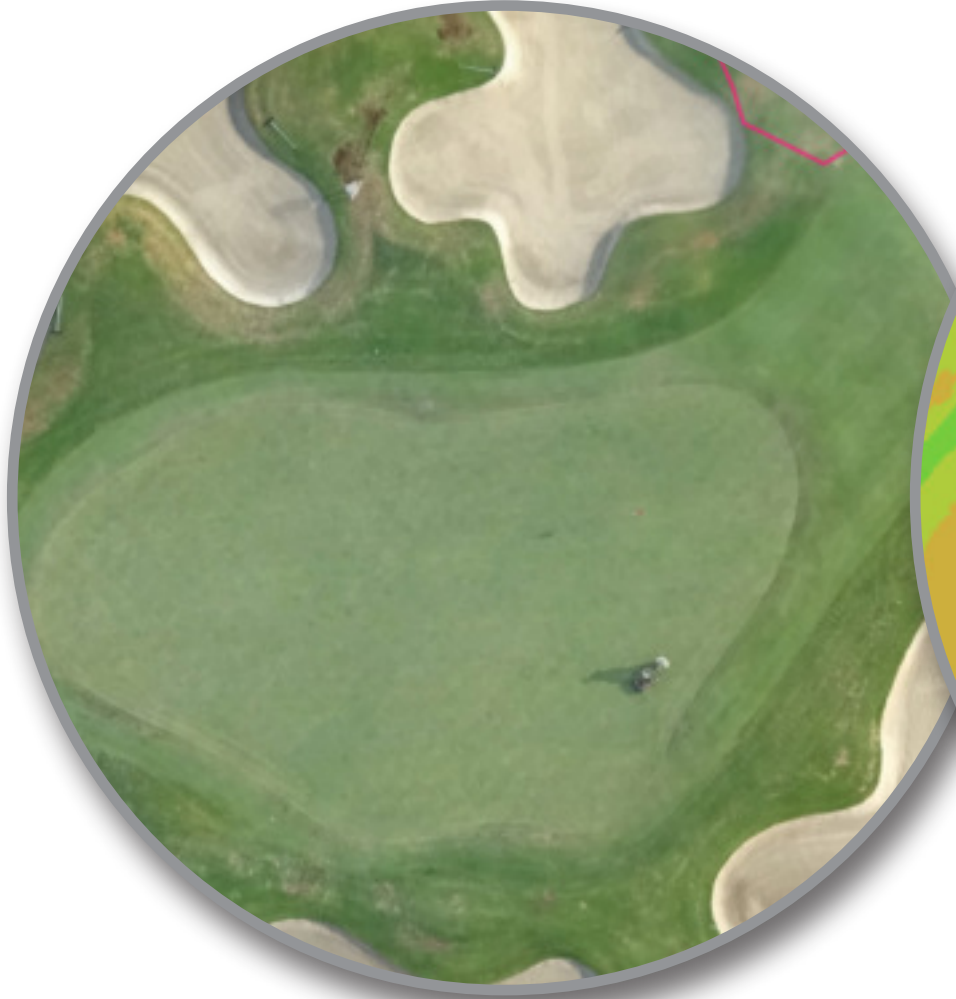
66% REDUCTION
IN BROWNING

Green Comparison: High Resolution vs. Plant Stress Analysis

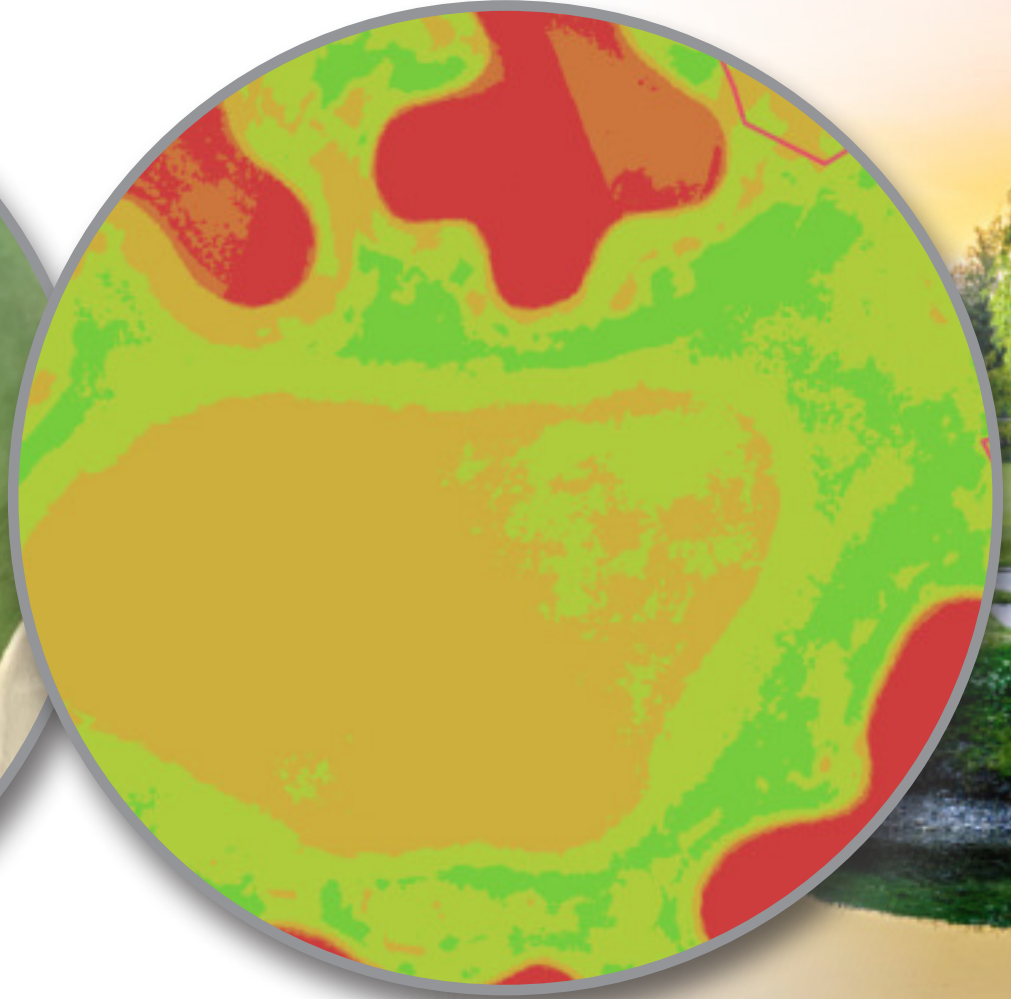


Detect areas of stress not yet visible to the human eye.

High Resolution



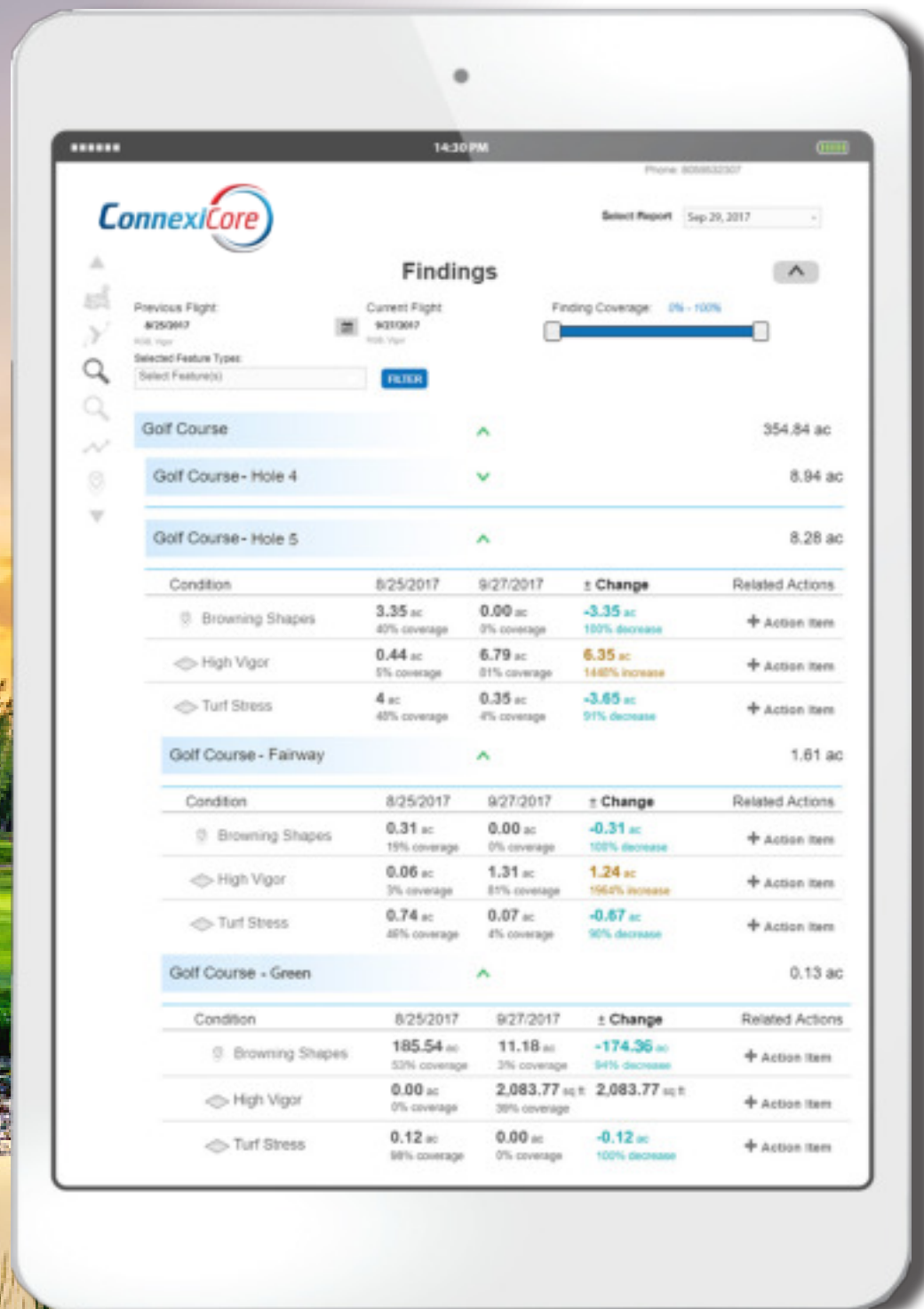
Plant Stress Analysis





Progress by location

Track specific turf problems such as yellowing/browning spots and potential over watered areas. Each critical area can be monitored over time to show reduction in turf browning and redistribution of water from overly green areas.





Get detailed reports analyzing turf health

Monitor areas by specific location in detail, and track progress towards reduction goals. Analyze turf conditions to determine how best to improve course athletics and optimize water use.



Become a water conservation champion

Create a water conservation strategy that identifies specific areas where water applications can be reduced or reallocated. Measure progress towards your water plan and make improvements to continue optimizing water applications. The Turf Stewardship Program promotes healthy turf management while maximizing water use efficiency. Proudly share your club's commitment to water stewardship planning and reduction efforts by sharing a detailed course management report with:

- ☐ Membership
- ☐ Green Committees
- ☐ Board of Directors
- ☐ Water Districts
- ☐ Local Media
- ☐ Adjoining home owners & HOAs
- ☐ Club Marketing Efforts



Why ConnexiCore?

We partnered with Turf.Solutions a leading-edge technology company providing a comprehensive solution for UAV flight services, aerial image analysis, and task management. Enabling you to maximize turf health, aesthetics and playability, while reducing water usage and costs.

- High performance UAV craft platforms
- Actionable data and intuitive software tools
- Trained pilots
- FAA commercially approved



FLY. UPLOAD. ANALYZE. PRESENT.

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