LABORATORIO ROCCE E RICERCA TONON SRL

UAVs for Course Management

Creating Actionable Data

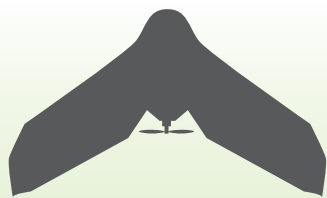**Easily track problem areas & monitor progress**

Review overall course health assesment, areas of turf stress, and seek opportunities for water reduction. These areas are presented via Turf.Solutions' software platform and are highlighted for management review. 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

How it works

Scout

LRRT UAVs
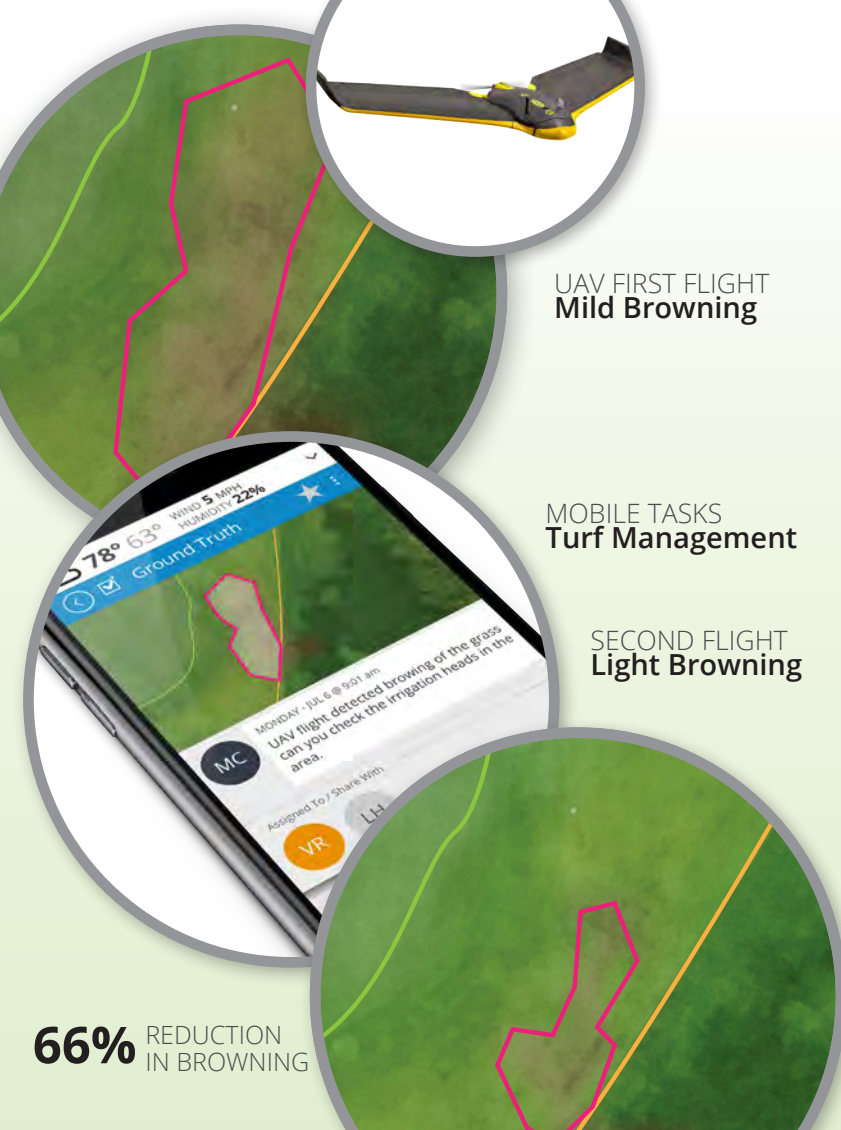fly to identify stress and high flourishing areas.

Detect

Review analyzed flight imagery
with our experts, then share with
your staff.

Implement

Navigate directly to problem areas,
ground truth, and apply treatment
as your team determines.

UAV FIRST FLIGHT
Mild Browning

MOBILE TASKS
Turf Management

SECOND FLIGHT
Light Browning

66% REDUCTION IN BROWNING

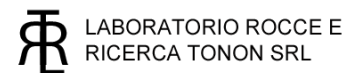# Transform aerial imagery into actionable data

Using LRRT, areas of stress can be tracked from flight to flight and included in reports showing progress towards turf health and aesthetic goals. Proudly share your club's commitment to water stewardship planning and reduction efforts by sharing a detailed course management report with:

- ○ MEMBERSHIP
- ○ BOARD OF DIRECTORS
- ○ CLUB MARKETING EFFORTS
- ○ GREEN COMMITTEES
- ○ WATER DISTRICTS

Why Laboratorio Rocce e Ricerca Tonon s.r.l.?

Laboratorio Rocce e Ricerca Tonon is a leading-edge technology company providing a comprehensive solution for UAV flight services, aerial image analysis, and task management. Enabling you to fully enagage our aerial imagery by maximizing turf health, and reducing water usage and costs.

- ○ HIGH PERFORMANCE UAV CRAFT PLATFORMS
- ○ ACTIONABLE DATA AND INTUITIVE SOFTWARE TOOLS
- ○ TRAINED PILOTS
- ○ ENAC COMMERCIALLY APPROVED AND CERTIFIED INOFFENSIVE
  (MEZZO CERTIFICATO INOFFENSIVO DA ENAC, AUT. N. 8564)
  WE CAN FLY OVER PEOPLE, HOMES, ROADS, RAILWAYS, ETC.,
  NO EVACUATION NECESSARY!

LABORATORIO ROCCE E RICERCA TONON SRL

Laboratorio Rocce e Ricerca Tonon s.r.l.
Via Nazionale 206
Trento, Italy 38123
39.0461.1636349
fulvio@tononeng.com
tononeng.com

LABORATORIO ROCCE E RICERCA TONON SRL

Hole Turf Progress
Flight data for **July 1** and **August 3, 2015**

Grand Harbor
Country Club
4580 East Thousand Oaks Blvd.
Westlake Village, CA

34 DAYS BETWEEN FLIGHTS
84,321 Sq. ft. TOTAL HOLE AREA
5,185 Sq. ft. PUTTING GREEN AREA
43,652 Sq. ft. FAIRWAY AREA
2 BUNKERS

Hole #12 | 84,321 Sq. Ft.

Condition	Goal	Progress	Impact of efforts
Severe Browning	15% Reduction		**18**% Reduction Achieved
Moderate Browning	15% Reduction		15% Reduction Achieved
Mild Browning	10% Reduction		**6**% Reduction Achieved
Yellowing	10% Reduction		3% Growth
High Flourishing	15% Increase		11% Increase Achieved

Hole #12 - Fairway | 43,652 Sq. Ft.

Condition	Goal	Progress	Impact of efforts
Severe Browning	50% Reduction		**58**% Reduction Achieved
Moderate Browning	50% Reduction		45% Reduction Achieved
Mild Browning	20% Reduction		**22**% Reduction Achieved
Yellowing	50% Reduction		16% Reduction Achieved
High Flourishing	15% Increase		5% Decline