SOIL SCOUT

Presentation to

Golf Courses



#GainADeeperView



Wireless Underground Sensor Solution

World's first truly wireless, underground soil condition sensor



"Having in ground sensors from Soil Scout helps us become more efficient and tells us when and where we need the water most at crucial times"



Why choose Soil Scout?

Understanding what is happening under the ground is critical to the sports industry



Current solutions doesn't provide needed dynamics!



Every course has variations







We waste precious resources!



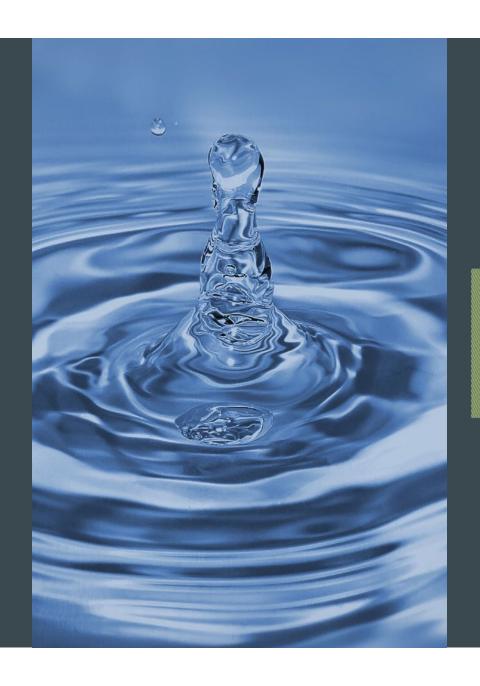














The golf industry is facing a number of challenges





The first fully wireless underground sports turf sensor

Make informed decisions based on accurate and permanent measurements



Soil Moisture



Temperature



Salinity (EC)



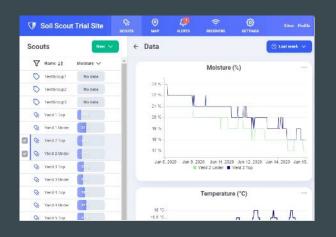
Up to 20 years



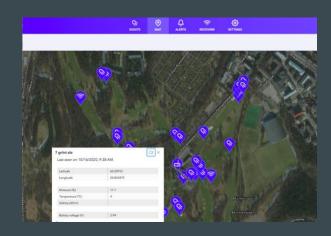


OVER 100 SATISFIED CUSTOMERS - OVER 1000 ACTIVE SENSORS









MONITORING

Detailed real-time view

ANALYSIS

Make informed decisions based on accurate data

SHARE

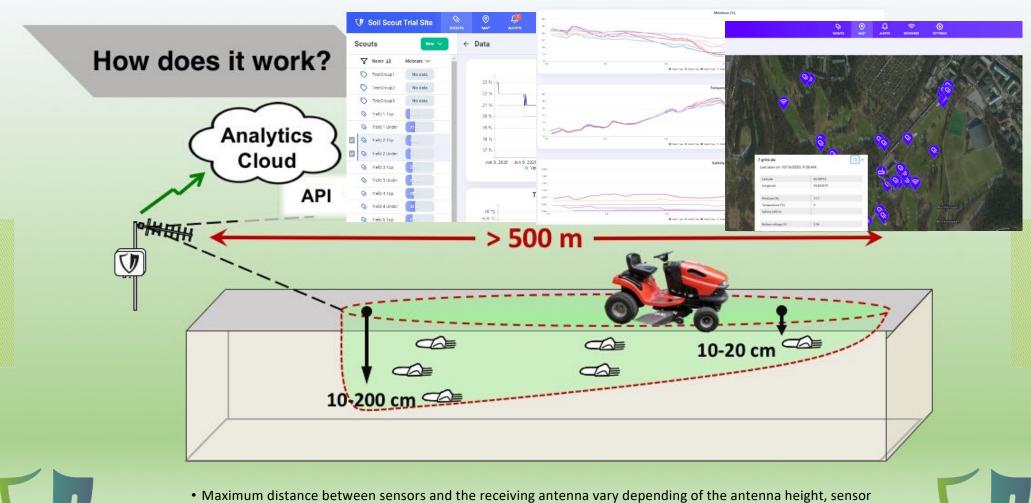
Download and share the data through an API

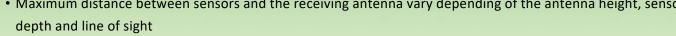


Monitoring Service









• For more information refer to www.soilscout.com





Case Studies

DESERT MOUNTAIN - OUTLAW GOLF COURSE, ARIZONA, USA

Need for a precise tool to measure daily soil moisture to schedule and optimise irrigation.

Solution: 24 Soil Scouts, Base Station, Echo Repeaters and Monitoring Service.

SINGAPORE ISLAND COUNTRY CLUB, SINGAPORE

Tropical environment with unpredictable weather patterns combined with high quality needs and limited water consumption.

Solution: 140 Soil Scouts throughout the course and integration with Subair Systems.

MEADOW CLUB - FAIRFAX, CALIFORNIA, USA

Challenge to maintain turf quality and consistency in high demand environment. Solution: 18 Soil Scouts, Base Station, Echo Repeaters and Monitoring Service with integration to Turfcloud.



A streamlined approach at The Belfry Hotel & Resort

Being able to monitor the various data, can help us become a lot more streamlined with our irrigation usage. Having 56 holes requires a significant amount of water management, so every effort counts. Our water is also recycled city water, so it will be interesting to monitor salinity levels to implement better timings of fertiliser applications.

We are also aiming for GEO accreditation, and having a remote sensor solution like Soil Scout, will help us show evidence that we are cautious with what we do, and also make us more auditable.







Angus Macleod

Director of Golf Courses and Estates at The Belfry Hotel & Resort



The Meadow Club Fairfax, California

Upon opening the packaging and viewing the hardware, I loved it, such exceptional build quality. The customisability is amazing, if I want to move them I can, plus the bespoke nature of being able to add sensors, year on year, as budget allows is great. To have a product with radio signal rather than cellular was a big drawer for us, as we don't need to rely on good cellular coverage right across the property, so we can install them where we want rather than where coverage allows.

The whole process from sales to order, then delivery and installation has been simple and straight forward, so it hasn't cost me valuable time at this time of year.



Kevin Hauschel

Golf Course Superintendent at the Meadow Club 1927, Dr. Alister Mackenzie's first golf course design in the US





Soil Scout allows us to see exactly what impact an irrigation cycle had on the moisture level and we are able to be more efficient in future scheduling by watching the data that we receive from the in ground sensors. It does all that is says it can do and has shown to be another valuable tool in our efforts to produce high quality playing conditions while at the same time using water wiser.

Marc Snyder
Superintendent
Outlaw Course, Desert Mountain (AZ, USA)







Pictures from a recent Soil Scout installation at Winston Links Golf Course in North East Germany.











Competition

We compete with few wireless sensors and wired solutions

The most significant competitor is 'old habits'

We are patent protected

Soil Scout is the only technology that can reach up to 2m depth wirelessly

Competitor Comparison

Soil Sensors with above ground wireless repeaters





Selected Golf References

- 1. Singapore Island CC, Singapore
- 2. Brook Hollow GC, TX, USA
- 3. Sentosa Golf Club, Singapore
- 4. The Belfry Hotel & Resort, UK
- 5. Akureyri Golf Course, Iceland
- 6. Meadow Club, Fairfax CA, USA
- 7. Helsinki Golf Club, Finland
- 8. WinstonGOLF, Germany
- 9. Mississaugua Golf, Ontario, Canada
- 10. St. Laurence Golf, Finland







Unleash the true potential of your course...

SAVE MONEY

Through optimised irrigation and work planning Less fertiliser runoff Less manual sampling work



MAKE MONEY

Optimised soil conditions Enhanced playing experience Meet the standards



MAKE IMPACT

Save precious water resources Reduced water table pollution Less pollution through optimised fertilising



The Soil Scout story....

Soil Scout was formed through the collaboration of a 19th generation farmer and soil agronomist with a technology specialist, focused on wireless solutions.

The Company has designed, created, patented and commercialised an underground wireless soil monitoring solution.

Our mission is to give soil experts the insights and data they need to manage their lands in the most efficient and effective ways.



Johannes Tiusanen

Chief Science Officer, Soil Scout #thesoilscoutstory



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