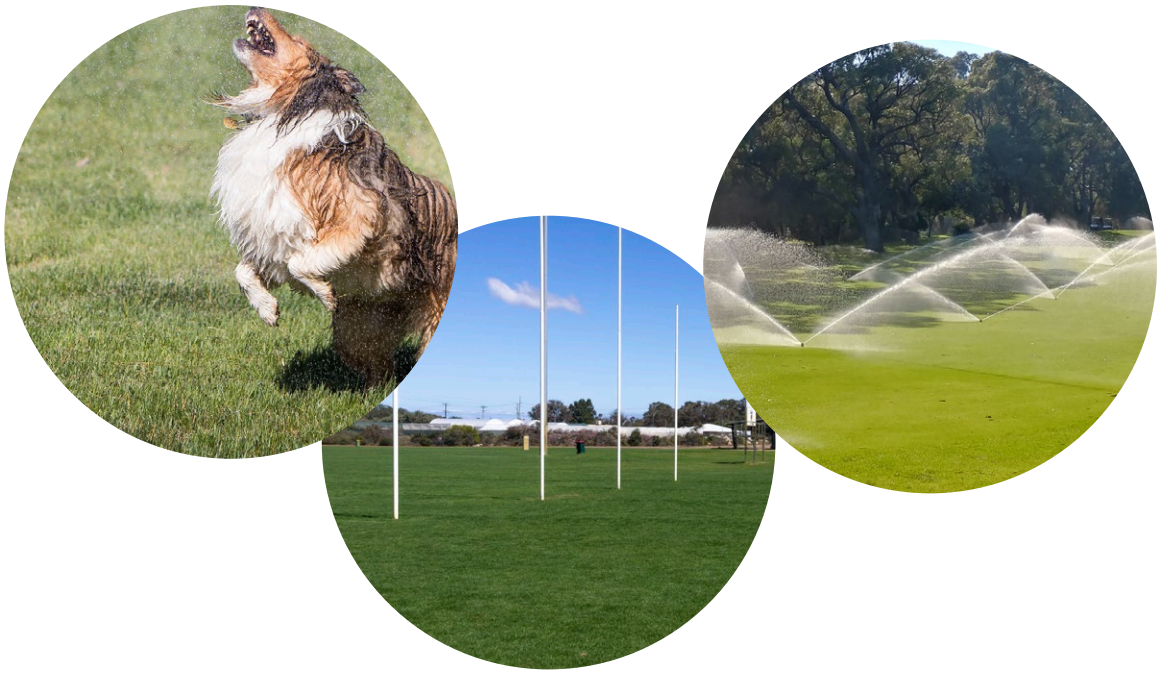
SWAN Systems

Smart technology for sustainable turf and water management



SWAN systems

Scheduling water and nutrients

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SWAN SYSTEMS PHILOSOPHY

Maintaining turf quality requires application of the *right amount* of water and nutrients. Not too much, not too little.

A management regime that achieves this will save money, limit the wastage of resources, and deliver the desired quality of turf at any location - school, golf course or park land.

SWAN is a management, monitoring and reporting system to realise these goals as accurately and efficiently as possible. It will work if you're managing anything from a small school to a large Local Government Authority with hundreds of parks.

SWAN SYSTEMS ACCREDITATION

SWAN Systems has been accredited by Smart Approved WaterMark - Australia's labelling program for products and services that help reduce outdoor water use.

The Water Corporation of Western Australia has certfiied SWAN Systems as being a Waterwise product.

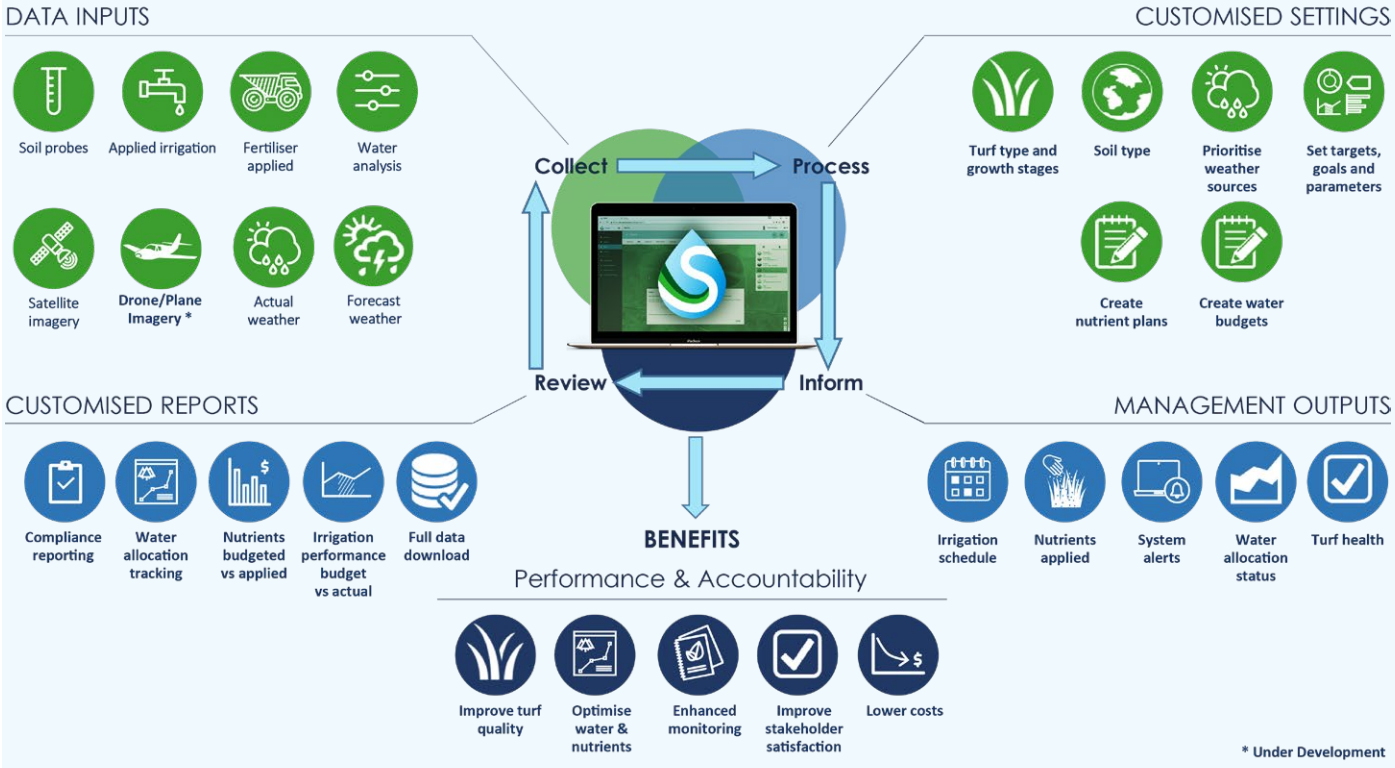
DATA FOR DECISIONS

SWAN Systems is a cost-effective management system that provides information to managers and ground staff to facilitate resource use optimisation and maintenance of turf quality. It focuses on both irrigation and nutrient management, which are the dominant factors relating to turf quality.

SWAN is provided as a cloud-based Software as a Service (SaaS) solution to benefit all irrigators.

- Site-specific data as the basis for irrigation and management decisions
- System Suggested Irrigation schedules how much and when to irrigate for the coming week
- SWAN integrates with most existing hardware
- Satellite imagery identifies changes in turf quality to enable remedial action
- Configure parameters to enable alerts, including leak detection*
- SWAN stores records of all water, fertiliser usage, and turf quality (satellite imagery) in one easy to use cloud-based system
- Push-button and auto generated* reporting provides any users with instant updates on water usage, soil moisture status, and fertiliser application history
- Ground staff and management can have confidence that evidence-based decisions for irrigation and water management are being made
- Optimise resources to achieve desired turf quality (TQVS rating) with a tailored, easily implemented plan

Precision irrigation and nutrient management made easy



SWAN Systems provides a prescriptive management strategy to achieve desired turf outcomes

TQVS* Classification	Description	Turf Quality	Visual Example
TQVS 1	Elite sports turf Passive recreation/tourism sites of national or state significance	Highest turf quality High vigour and turf health	
TQVS 2	Premier sports turf Passive recreation/tourism sites of state or regional significance	High turf quality High vigour and turf health Turf quality may be reduced with winter wear	
TQVS 3	Local sports turf Passive recreation sites of local community significance	Medium turf quality Medium vigour and turf health Turf quality may be reduced with winter wear	
TQVS 4	Passive recreational turf	Low / medium turf quality Low / medium vigour and turf health	

**Turf Quality Visual Standard*
Adapted from "Code of Practice - Irrigated Public Open Space", SA Water, 2015

Decisions based on data and evidence can readily enable 20% water savings

The SWAN Systems team includes experienced irrigators, agronomists, scientists, managers and computer programmers. Their combined experience gives them a unique insight into the practical issues confronting public open space managers. This has shaped the product's functionality and rigour to ensure it is relevant and provides value to the user.

SWAN Systems evolved from years of working in precision systems where the objective was to determine exactly when and how much irrigation and fertiliser was required to optimise plant health without harming the environment.