Water is a precious resource

- WaterForce and SCADAfarm are here to help you use it wisely.

WHAT
is SCADAfarm?

Water is a precious (and often expensive) resource. But so is your time.

SCADAfarm has been developed right here in New Zealand to help farmers control, monitor and record complete farm irrigation and wastewater performance.

Instead of driving around checking pivots and pumps, you can now monitor their performance and vital statistics right from your computer, tablet or smartphone, letting you get on with other important jobs.

This sophisticated hardware and software package gives you complete access to your irrigation and wastewater systems from anywhere in the world via your smartphone, tablet or PC. It comprises a user-friendly web application and iPhone/iPad App which connects to your individual pivots and feeds information to SCADAfarm's secure cloud-based servers.

Turn your water on and off, set pivot speed and direction, check your water pressure and change your watering depth – all at the touch of a button.

SCADAfarm's 'charting' feature also allows you to review the management of your irrigation system over the season (helping you get the most value from your water).

SCADA stands for 'Supervisory Control and Data Acquisition' and is an automated system used extensively by the international mining, petrochemical, water and wastewater industries.

Developed specifically for New Zealand farmers, SCADAfarm is supported by the technical expertise of global automation management specialist, Schneider Electric, and telecommunications experts, Vodafone. These two companies have partnered with us to provide unrivalled control and peace of mind for Kiwi farmers everywhere.

Water is essential to the growth and success of your farm. WaterForce and SCADAfarm are here to help you use it wisely.

CONTROL
at your fingertips

SCADAfarm provides a huge range of benefits:

> **MONITOR & REMOTELY CONTROL**
> - all your pivots and pumps

> **TURN**
> - irrigation on and off

> **ADJUST**
> - pivot speed and direction of travel

> **CHECK**
> - water pressure and flow rate

> **CHANGE**
> - watering depth

> **PARK**
> - your pivots using the 'stop in slot' function
>   in the event of high winds

> **LOAD AND SELECT**
> - Variable Rate Irrigation (VRI) plans

> **APPLY WATER**
> - with precision to suit individual crops and seasons*

> **ACCESS DATA**
> - on well and dam water levels

> **VIEW CURRENT WEATHER**
> - details and forecasts for your farm

> **LOG AND REPORT**
> - compliance data directly to local councils or water authorities

> **RECEIVE ALARM NOTIFICATIONS**
> - immediately via smartphone notification

> **SAVE TIME**
> - by not having to manually check individual pivots or pumps

> **REVIEW PERFORMANCE & MANAGEMENT**
> - of your irrigation system over the season

> **ADD EXTRA MODULES**
> - as you need them

> **KEEP**
> - your water and compliance data secure through
> the SCADAfarm server

> **ENJOY**
> - robust industrial-scale automation, control and monitoring
> capabilities for an affordable annual fee

* Available on the SCADAfarm VRI module

HOW
does it work?

SCADAfarm comprises three main components:

1. **HARDWARE MODULE**
Installed next to your pivot or pump control panels.

2. **WEB APPLICATION**
Monitor and control your irrigation system from your computer.

3. **FREE IPHONE/IPAD APP**
for remote access from your smartphone or tablet.

A Remote Terminal Unit (RTU), power supply and modem will be mounted next to your Valley Pivot Centre Control Panel or pump panel, and will communicate with SCADAfarm software hosted on our cloud-based servers.
You can access the system from the SCADAfarm website or the mobile App. Both applications have a common look and feel, allowing you to move easily between them.

SCADAfarm doesn't override local control of your pumps and irrigators. Instead it's designed to work with your farm's current systems, so your existing water and effluent monitoring, control and support services will remain intact.

SCADAfarm
MODULES

SCADAfarm is continually evolving, with new modules being added as technology is developed and environmental and regulatory conditions change. Each module is designed to help make farmers' lives easier. Simply pick and choose which modules you need.

> SCADAFARM PIVOT

This module communicates directly with your Valley centre pivots to monitor and control them from your kitchen table – or wherever in the world you may be. Start and stop individual pivots, change their speed, direction and any other variables from either your computer or mobile device.

> SCADAFARM VRI

Combining Valley Variable Rate Irrigation (VRI) technology and SCADAfarm will help you achieve maximum efficiency and absolute precision when it comes to irrigating your land.

The VRI technology allows you to control individual sprinkler heads to help take account of obstructions, tracks or gullies which maybe in the pathway of some pivots

SCADAfarm VRI also allows you to store up to 10 different irrigation plans to suit your soil type, crop and time of year. Switch easily between each plan and get the right amount of water exactly where it's needed.

> SCADAFARM PUMPING

Pumps are an important part of an irrigation or effluent system. SCADAfarm allows you to monitor and control these pumps to ensure they are performing correctly for your system.

Monitor and log data about your system's pressures, levels and flows. Adjust key parameters such as flow limits, running time and pressure limits.

WHAT
farmers say

Don't just take our word for it. See what other Kiwi farmers think of SCADAfarm and how it's helped improve their daily operations and profitability.

> CRAIG BLACKBURN

Hororata, Canterbury
(400ha mixed cropping and beef finishing farm).

"Rather than being tied to the farm we can operate our pivots from anywhere. I've pre-loaded into SCADAfarm all the safe wind positions on our farm. That way if we're out for tea and the wind picks up, I can park them in slot and not have to worry.

I probably check SCADAfarm 15 times a day, just making sure all the pivots are going and adjusting things depending on how the Rakaia River is flowing and what our pond level is.

I basically don't have to go to the pivot centre anymore, which is great because I live on another property and it was a time consuming job. I'd struggle now to live without it."

> KARL MCDIARMID

Gorge Creek Flats, Central Otago
(170ha block on a sheep and beef farm).

"We're busy breaking in a new farm and SCADAfarm has saved us a lot of time, to be honest.

We have three pivots on it and having to drive to each one can get quite painful. With SCADAfarm we don't have to physically be on the farm to turn pivots on or off, or make any changes. You can be anywhere in the world, still adjusting the pivots to suit and making decisions on your cellphone.

It's a good product and the more people who hop on board, the better it'll get."

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www.scadafarm.com

Developed and exclusively available from WaterForce