

Portable Power Monitoring



arcoflex

*“remote monitoring
and control
for agriculture
and industry”*

Arcoflex lease and sell a portable power unit for use by electricians to monitor electricity usage. One of the bigger issues facing farms and industrial operations is the appropriate distribution of devices across the three incoming phases and that net power consumption does not exceed the monthly energy cap. Our equipment can monitor equipment from the distribution panel or at the device. The purpose will be to identify if load shedding is possible, across what devices, at which time of the day and then execute that shedding automatically. There will usually be some equipment that can be halted to prevent cap breaches. Further, if there are solar assets in play, Arcoflex can help distribute power or advise on distribution priorities. Substantial savings can be made by managing power needs better.

Our real-time monitoring systems have helped farms reduce crop and stock loss due to water supply problems, equipment failure, filtration issues or power outages. Owners are alerted to out of tolerance situations in real time with on-site staff alerted to such things as pump break-downs, water leaks, power outages and water levels and usage rates in tanks.

Arcoflex can also automate VSD motors where this is useful. For example, control an irrigation pump by monitoring delivered water pressure or soil moisture.

What makes Arcoflex Gateway remote monitoring system more powerful and cost effective than it's competition?

Our remote monitoring systems use the Microsoft Azure Cloud Platform to collect, analyse and disseminate data in real time from anywhere. They can be customised to your specific farms requirements and will scale and adapt to suit your operation.

You can have one irrigation system or aggregate

many. Developed with state-of-the-art computerised sensors, and sophisticated Cloud based collection and aggregation tools, Arcoflex is the irrigation monitoring solution of choice. Options include:

- **Phase variance monitoring (quality of supply),and**
- **Current load balance monitoring.**

Use Arcoflex monitoring to compare water usage year-on-year and report on daily usage. Advanced installations include the ability to remotely start redundant systems or run-off and auxiliary pumps. Save money by reducing site visitation.

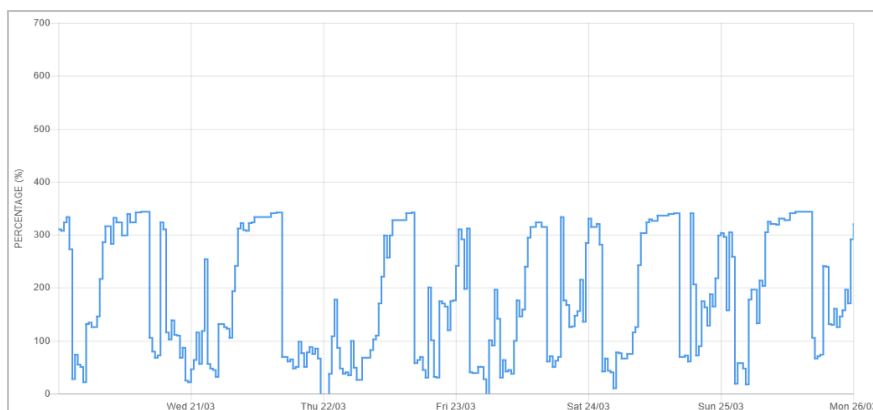
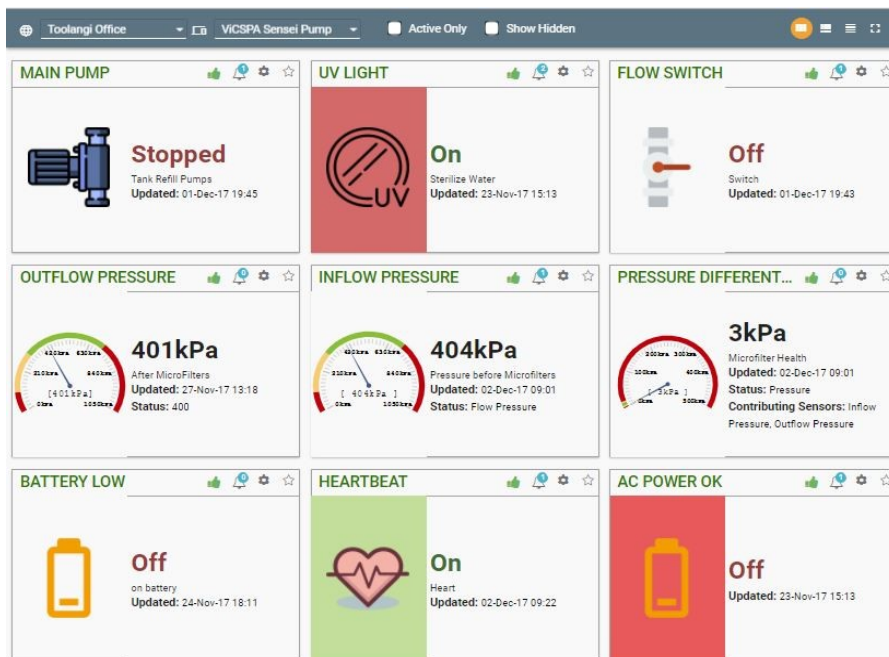


Visualisations with Arcoflex

All Arcoflex installations come with an easy to read dashboard. At a glance, monitor all configured sensors and assets. Provide real time notification of exceptions by SMS or email, giving you the flexibility to update and optimize alerts and dataflow in real time.

How it works

The Arcoflex gateway unit connects to the internet via built in GSM and provides GPS services. Each geographical site is represented in a customized dashboard. With multiple control units, sites can be managed separately or combined into aggregated units. You can report across multiple units or sensors to achieve aggregated reports for commodities or group your sensors into zones.



With customisable features and solutions for modern agricultural and industrial operations, Arcoflex can significantly reduce product and asset risk and increase productivity, and therefore, profits. Call us today on 03 9762 6155. Find out how your business can benefit using Arcoflex's combined 30 years of experience with automation and monitoring software and solutions.

For full product description visit our website: www.arcoflex.com.au



“remote monitoring
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- Nurseries and Hothouses
- Cool Rooms and Freezer Storage
- Curing Sheds and Open Storage
- Stock water and Bore Pumps
- Irrigation Assets, Channel Depth
- Dairies, Feed Lots and Abattoirs
- Poultry Farms
- Mills and Silo Storage
- Motor Vibration and Health
- Chemical Usage and Storage
- Power Supply Condition
- VSD and Motor Control

Specification Summary:

- 110V/240V ac mains
- Battery Backup
- 24/7 Support
- GSM enabled (3G/4G)
- LAN enabled
- 16 x Analogue Inputs
- 7 x Relay Outputs
- 7 x Digital Inputs
- SMS and email Alerts



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