powerful low-cost water sub-metering

OzGreen Energy’s advanced analytics and comprehensive computing resources monitor water use on every meter that is connected to the WaterTrac™ system reading each meter up to 100 times each day.

we make water meters intelligent

The unprecedented resolution of information provided by WaterTrac™ is breaking new ground in understanding how, why and when water is used. By installing the WaterTrac™ system water users stay at the leading edge of technology in the push for lower water costs, more equitable cost distribution, and water sustainability.

WaterTrac™ helps our customers to identify water-related problems which if left unattended can quickly lead to increased water costs, property damage, and increased water bills.

applications

- automatic meter reading
- water auditing
- process control
- water treatment
- waste management
- irrigation
- cooling towers
- machines, plant & equipment

benefits

- measure consumption & demand
- connected to real-time monitoring
- suitable for remote locations
- provides regular feedback for water use performance
- allows users to share relevant data
- accurate water consumption and demand information prevents incorrect billing charges.

● embedded intelligence
● predictive analytics
● performance & efficiency
WaterTrac® is a cloud-delivered, easy to use, low cost and very effective solution for collecting all meter data required for efficient water management.

real-time monitoring

Our battery, mains, or solar powered radio technology continuously transmits data to WaterTrac users via the cloud allowing for fast management decisions based on real data. Remote locations and weak signal areas can be reliably overcome using cost-effective satellite communications.

- Ideal for real-time site environmental monitoring
- Compatible with other remote control systems
- Read most sizes and types of industrial water meters
- Can be integrated with Metertrac® to provide data form electricity meters, sensors, and other signal inputs etc in the cloud
- SMS and email reporting of alarms, alerts and threshold approach
- Water quality monitoring
- General environmental monitoring

technology edge

- Highly accurate sensors
- License free wireless technology
- Solar powered options**
- Scalable network capabilities
- Statistics, alarms and historical records
- Easy to install and maintain
- Easy to expand

accurate data acquisition

- Scalable measurement networks
- Interactive cloud-served data
- Leak detection & burst detection
- Pressure, level & flow monitoring
- Pressure transient monitoring
- Open/closed valve indication
- Exact log of motor runtime
- Access control system for important sites

NOTE: ** Subject to site location and environmental conditions
WaterTrac® eco-series cellular/WiFi

This solid performer is a compact-sized, simple, highly reliable and cost-effective wireless transmitter and data logger for data collection, communication, logging, alarming and analysis.

WaterTrac® stand-alone integrated wireless water meter and water data systems gather real data in real time and can be used with mobile installations, fixed plant & equipment and remote sites located just about anywhere**.

- Mains powered, battery powered and solar powered systems
- 5 Year continuous operation for hourly data upload per day
- IP68 submersible to 5 m of water
- Complete packaged solution without the need for a separate cabinet
- 30~85°C operating temperature, 0~100% RH operating humidity
- Cellular, WiFi communication
- Simultaneous acquisition of multiple process signals including pressure sensor, 4 digital analysers and transmitters, 3 Modbus instruments, and I/O module with 2DI, 2AI
- 1 Million log data, 3 year storage capacity at every 30 min log
- 0.01 sec transient pressure auto detection and data logging
- Standard Modbus RTU protocol
- Web configuration, operation, monitoring, alarm, control
- Interactive data analysis, archive, and storage and visual display software service

NOTE: ** Subject to site location and environmental conditions
advanced meter reading and real-time monitoring system for all requirements

Low cost wireless transmitters are attached to individual meters. Multiple transmitters send their information to a local MeterTrac data link at each site.

Transmitters can be located hundreds of meters from the data link. The link does not rely on line of sight and communications through multiple concrete walls and floors is readily achievable.

Wireless technology simplifies and drastically reduces installation costs. No trenches need to be dug and no fixed wiring needs to be installed. The system is equally suitable for new and existing installations, including multi-storey buildings and industrial sites.

Wireless transmitters are maintenance-free and completely weatherproof. Each one is powered by an internal battery with a service life of up to 10 years depending on the volume of information sent each day.

The OzGreen Energy data link is a compact, single box data logger. It includes all software, hardware and cellular communications.

The system integrates with the WaterTrac® ActiveData platform for wireless water and energy monitoring and management, data acquisition and storage, management of monthly reporting and alarm monitoring.
intelligent wireless water management
cloud-based wireless meter reading … anywhere

each year we make over 7 million battery
powered wireless water meter observations
from remote sites with 99.98% accuracy

We specialise in end to end wireless metering and measurement solutions for water wastewater, power and gas and M2M.

- high-rise residential
- remote area sites
- industrial & manufacturing
- plant & equipment
- water & wastewater
- pumps and water mains

- OEM of our wireless equipment and metering solutions means that because we design/build our wireless and hardware solutions we know that everything we deliver works reliably - day in and day out
- we built the ActiveData high-speed predictive data engine specially to service Big Data applications and we build all of our interactive client data web portals in-house - we know a bit about managing large amounts of cloud-served interactive data
- we can integrate all kinds of data from all kinds of M2M sensors and applications .. if it can be done we will find a way to do it
- everything that we do is designed to be instantly scaleable from one to many - including multiple geographical locations wherever they are
- we can provide complete turn-key systems ready to be installed on site by others or we can project manage installations for you - your choice
- we can design and install retrofit solutions to make existing water and electricity meters very smart - we use what existing metering infrastructure you have when we can
- everything that we do is designed to be affordable, practical and easy to use
- we build and operate cloud-based M2M data systems some of which which make over half a million remote wireless meter observations every month - we know what the pitfalls are
- we are flexible, affordable, and we really appreciate our clients

carbon-ready

Call or email us about your requirements  >>

OzGreen Energy Pty Ltd  Tel: +61 1300 563 219
sales@ozgreenenergy.com.au