

# TECHNOLOGY PROFILE

## ENVIRODYNE GROUP PTY LTD

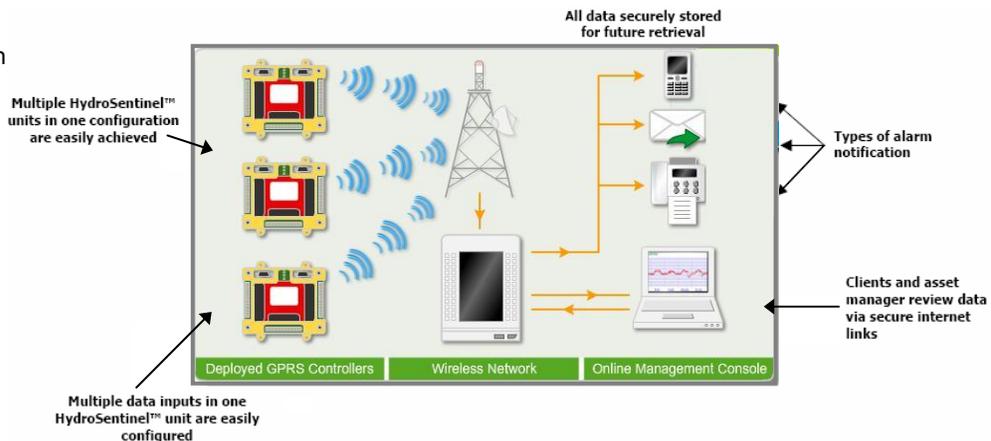
### INTRODUCTION TO EDG

EnviroDyne Group (EDG) is a technology based organisation providing environmental solutions to ensure sustainable development and cost effective operations with minimal harm to the environment. The EDG team has extensive experience in assessing and maintaining air and water quality for a range of clients, with activities ranging from consulting to manufacture and installation of plant and monitoring equipment. Through an extensive program of research and development, EDG has created new technology aimed at improving environmental monitoring and control practices, thus minimising harmful gas emissions and fluid contamination from any site.

### OUR TECHNOLOGY

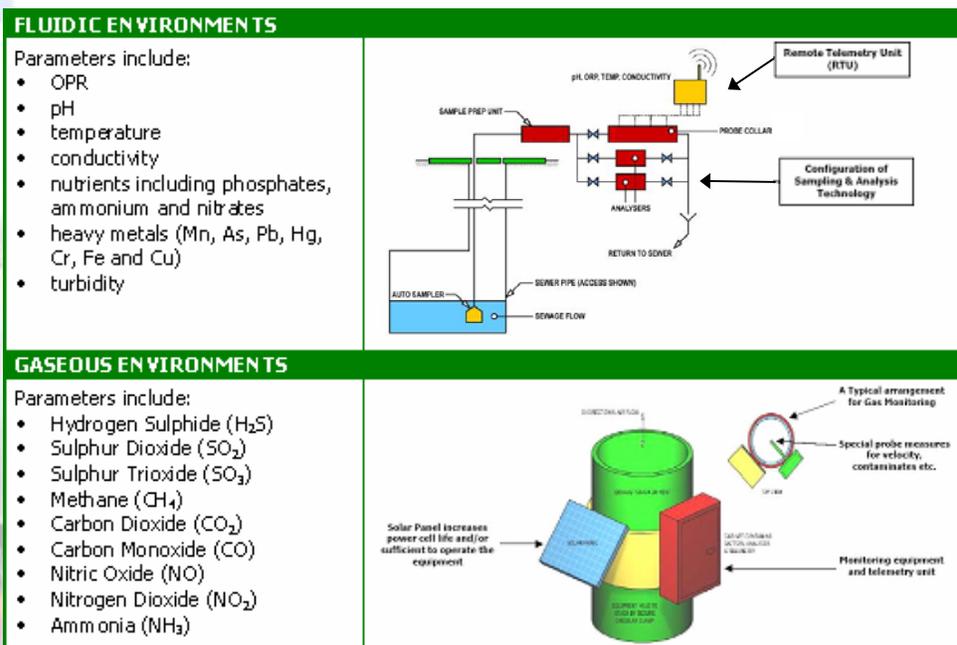
Do you want to optimise your operations, meet your licence conditions and reduce the onerous reporting requirements? Perhaps you just want to know what is going on, especially in those locations you don't visit often. The technology is here.

HydroSentinel™ is the solution to all your monitoring needs. This technology platform includes state-of-the-art sampling and testing procedures for defined parameters in fluid or gas streams, a reliable communications platform and a user friendly interface with multifunctionality to ensure you know what is happening within your operations.



### SAMPLING & TESTING TECHNOLOGY

HydroSentinel™ provides continuous online monitoring capabilities, overcoming the problems associated with manual "snap shot" sampling and analysis. The system does not require extensive intervention and has been developed to handle real-world environments. There is no other single technology that has the broadband width sampling capability of HydroSentinel™.



HydroSentinel's monitoring system is configured in such a way as to obtain a representative sample of the source stream and it automatically conditions samples in preparation for analysis. Calibration procedures are built in, and carried out periodically to maintain the integrity of the testing apparatus. A key advantage of HydroSentinel™ is that it has self diagnostic capability that allows for remote and expedient correction of operating faults.

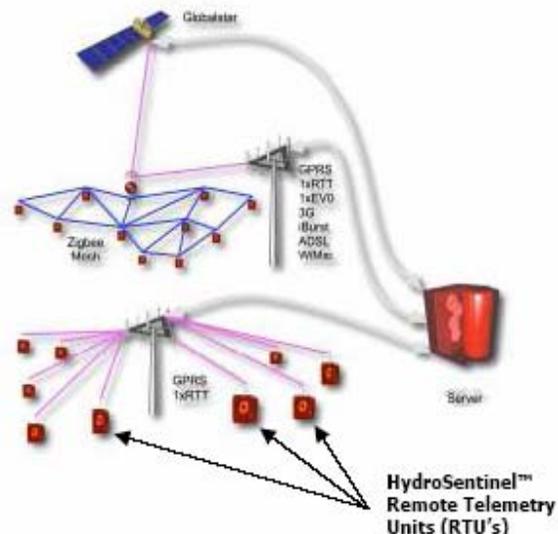
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### COMMUNICATIONS PLATFORM

There is intrinsic value in this technology in the wireless communications platform that is seamlessly integrated with the monitoring equipment. This enables upload of the monitoring outputs in real time, to a data repository of your choice. The link is secure, and data can be encrypted for additional security. Using mechanisms such as GPRS, radio networks (GSM) or new Zigbee protocols, we can provide monitoring and control of remote sites from a central location.

The benefits are numerous - HydroSentinel™ can replace conventional hard wired systems, which is particularly useful for multiple sites covering large distances. A network of our HydroSentinel™ telemetry units can span ranges up to 1km, and cost savings are substantial when compared with hard wired or even other wireless networks. Such a comparison highlights the other key advantage of our communications platform – economical power usage. With 2 modes (active/sleep), battery life is significantly extended, which can represent a cost saving in applications where mains power is unavailable. This platform combines the functions of communication and programmable control – the units can be configured to work automatically, under your direct control, or under the control of a server application. The network is fully reprogrammable, allowing functional changes in the field without the need for you to be onsite.



### INTERFACE FOR FUNCTIONAL CONTROL

The interface of HydroSentinel™ has been designed with you, the client, in mind. With a webpage access point, it's a simple matter of logging onto a designated internet site to see full graphical representation of the parameters you are monitoring – in real time. Each data point is collected, generating an enormous data recording of your operations that is available to you to perform full statistical analysis or trend calculations. We provide an independent 24/7 data management service, with secure storage to guarantee business continuity. We can assist in the design and customise the delivery of systems should you wish to host the interface to suit your particular business needs.

The interface also provides duplex functionality – with remote and automatic control of processes based on outputs from monitoring functions. For example, process commands (e.g. to stop or start pumps) can be activated if preset conditions are breached. Flexible software enables networking reprogramming and process changes to be implemented by designated authorised personnel via the web from any computer. The system can also be configured to activate alarms, that is, key personnel can be notified by fax, SMS or email of breached parameters, low reagents or maintenance requirements.

### FURTHER INFORMATION

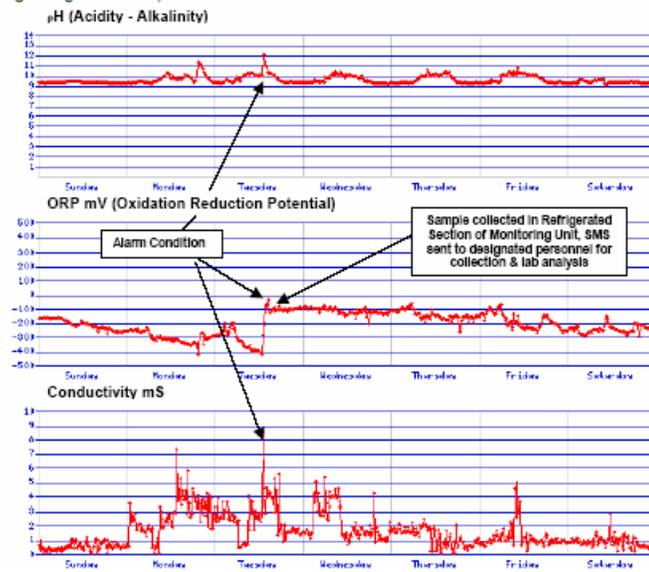
If this opportunity is one that you are interested in hearing more about, EDG would be happy to provide an on-site presentation detailing HydroSentinel™ capabilities to your team. Please contact us to discuss your specific requirements.

### CONTACT INFORMATION

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Beginning Sun Feb 5, 2006



Typical data presentation for 3 parameters at a given monitoring location.