



Simple and  
Stress-Free Solutions for  
Environmental Protection

**EnviroHub**



# Safeguarding your environmental reputation

With increasingly stringent regulations covering water abstraction and discharge, quarries and ready-mix sites are aware of the need of being good neighbours and keeping within their discharge agreements.

With this in mind, Atlantic Pumps have developed the revolutionary EnviroHub water management system.

When it comes to the remote monitoring of site abstraction and discharge, EnviroHub not only helps you avoid damage to your reputation but it makes you a better neighbour too.



# What is EnviroHub?

EnviroHub is an automated monitoring system, which constantly records historic and live data, relating to your site water discharge or abstraction.

The system takes real time readings about what is actually happening on your site, sending you warnings when you are approaching or are in breach of the parameters set in abstraction or discharge permits.

EnviroHub can also control pumps and valves etc to automatically stop water movements, preventing risks of contaminating water courses.

Furthermore the system can be integrated with corrective measure equipment, such as pH correction, settlement tanks, flow regulation and temperature control to name a few. This is all remotely accessible for review from anywhere and at any time.





# What do you get as a result of this system?

- A complete record of data readings for each parameter being monitored.
- Live data readings of what is actually happening on your site, real time.
- Alert emails - these are warnings sent to you when you are within 10% of your permitted limit on any parameter. This enables you to take the required action or stop discharge/abstraction before it causes an issue.
- Action emails - these are confirmation that a final action, such as, turning pumps off or on or closing valves etc, has been implemented and you are now safeguarded against becoming in breach of your consent.
- Routine reports and system condition messages.
- Total peace of mind that whether you are on site or not, you are not at risk of being in breach of your environmental permits; and if you are, the system will automatically lock down to prevent detrimental contamination of the water courses, for which you could be fined.



# How EnviroHub works

Sign In

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## Customer Login

- Data collecting
- Live view
- Alerts triggering

'Things  
Outdoor  
Gateways'

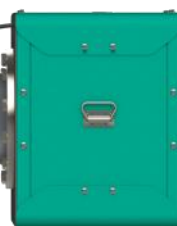


## Power Source

Mains or Off Grid Supply



Control  
Module



Flow

pH

Suspended  
Solids

Other  
Options

# Case study

Protection of the environment and the monitoring of discharged water at any quarry or ready mixed concrete site is of key importance. Allowing too much water to discharge or exceeding agreed pH or turbidity levels isn't just bad for the environment; it can lead to large fines from the Environment Agency (EA) and affect the reputation of the quarry operator.

Atlantic Pumps were contacted by a UK quarry, who had previously exceeded levels set out by the EA, and wanted to know how they could monitor the situation accurately so they could protect their surroundings and avoid any fines.

Having listened to their concerns and carried out a full site review, Atlantic Pumps suggested their unique EnviroHub system would be the best solution. This enclosed water monitoring system removes the need for various apparatus to be set up around the quarry, and provides management with far greater and immediate control of water on site.

This system can be accessed by site management anytime and anywhere via a login interface. By viewing live data, they can see whether the quarry was compliant with EA regulations at that moment and historically too – a great benefit to them should the EA's own findings suggest levels had been breached.

The system is designed to issue email warnings when levels are of concern or have been breached and, if necessary, close valves and switch off pumps to prevent the site going into breach. Furthermore, the system provides site management with a monthly overview of readings showing water activity, flow, pH levels and suspended solids.

EnviroHub was designed to be completely automated and reduce costs by eliminating the need for an external source to come in and monitor readings, or for a site employee to have to continually check readings.

Installation and testing at the quarry proved to be a huge success, with instant feedback now available on any changes the quarry makes to their infrastructure, and full data history being recorded.

# What do you require?

Every site has different requirements. The best solution is to review your permits from the Environment Agency or water board and then arrange a consultation with one of our team to discuss the requirement in detail.

Your site can have as many or as few modules as required, and measurements can be taken across multiple locations.

The system can be integrated with corrective measure equipment, such as pH correction, settlement tanks, flow regulation and temperature control.

Our engineers are available to undertake full installation, commissioning and testing on your site.





# EnviroHub

EnviroHub is a very simple system, which is tailored around your process plant and can be integrated into most applications with no disruption.

It uses standard components but carries with it the full back up and support package of specialists in your industry, who understand what is required for your site and how it can be achieved.

We have a solution for every application. For the more simple applications where manual checking is acceptable, we can supply the apparatus for site to use, or if a complete automated system is required we have the means to supply, install and maintain the complete system; using the same team from the initial site survey through to the ongoing aftersales maintenance.



 Designed & manufactured  
in the **United Kingdom**

EnviroHub is part of the Intrax Global Group.  
For further information please contact your UK distributor: Atlantic Pumps  
Unit 21 Prospect House, Colliery Close, Staveley, Derbyshire, S43 3QE. **T:** 01246 284 420 **E:** [info@atlanticpumps.co.uk](mailto:info@atlanticpumps.co.uk)