



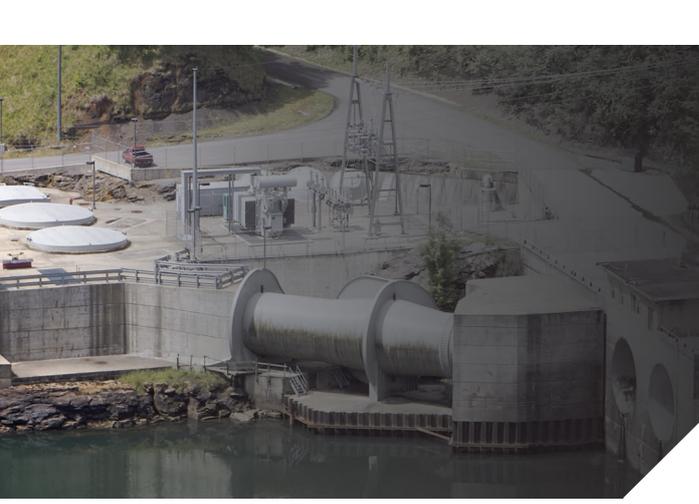
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## WaterCress - Critical Infrastructure Protection

### What is WaterCress?

WaterCress is a range of water protection technology protecting 80% of the UK's potable drinking water. Our WaterCress portfolio uses a range of sophisticated sensors to protect various assets. The sensors combined with intelligent analytics assess triggered events and distinguish between genuine attacks and false alarms.

Our WaterCress hardware solution is fully CPNI approved, making it an optimal solution for enhanced water sites. The WaterCress hardware system also fully complies with ACPO guidelines for a guaranteed armed police response to attack.

Our intelligent analytics provide a very high immunity to false alarms reducing risks, operation costs and maintenance overheads significantly.



### Why WaterCress?

#### High immunity to false alarms

Our advanced analytics technology is able to distinguish and recognising false alarms triggered by environmental factors (such as wildlife and weather). The system analyses the information from surrounding hatch sensors and uses seismic recognition algorithms to determine whether a genuine attack is taking place or the triggered event is an environmental occurrence.



The WaterCress hardwired hatch protection system also features audio verification, allowing for remote dial-in access to listen to alarm triggers taking place.

#### Highest grade materials

We insist on using only the highest grade materials for every component including the screws, bolts, brackets, casing and seals. As a result our switches and enclosures pass the most stringent and long lasting tests. Similar, cheaper alternatives may appear to offer the same quality but won't last the course!

#### Efficient power

Our WaterCress (Radio) and CellSense (GSM) Sensors make use of our specialist ability to provide outstanding battery and solar power efficiency. Our wireless sensors have an active battery life of up to two years. We recommend that these batteries be replaced annually to ensure maximum reliability. Most other wireless hatch protection systems require battery changes far more frequently.

We also provide solar powered technology for remote location sites or sites that are sensitive to the environmental effects of high power usage.

#### Wireless Solutions

We offer a range of wireless hatch protection solutions using FM radio and GSM communications. Our FM radio solutions are based on our military grade CobWeb Intruder Detection Systems which we have been providing to the UK and US Special Forces for more than a decade. Our unique approach of encoding and decoding radio transmissions across a wide range of channels and spectrums make for very secure radio communications.

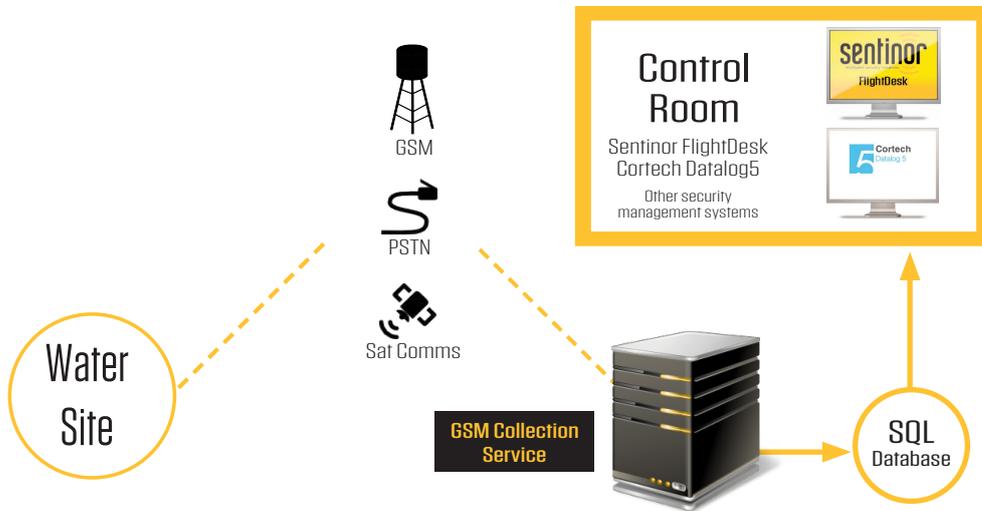


#### Sharing our know how

Sentinor now provide accredited training to all named installation and maintenance partners as part of our new strategy. Partner Engineers are trained in the capabilities and maintenance of our WaterCress hatch protection systems.

Every trained engineer will possess an accreditation card, allowing them to correctly install and maintain WaterCress systems in particular Water utility regions. Each accreditation card has an expiry date of two years; this guarantees that each engineer is retrained every two years to ensure they are providing the best possible support in the field.





# WaterCress<sup>®</sup> GSM Collection Service

## Fixed Infrastructure Protection

- Receives only from pre-programmed numbers
- Uses Sentinors FlightDesk or Cortechs Datalog5 Security Management Systems in order to easily display alarm information in a control room

The WaterCress GSM Collection Service is an ideal solution for collecting alarm data from WaterCress secured water sites. The service collects data from transmitting sensors via GSM, PSTN and Satellite communications. The Information received by the GSM Collection Service is then forwarded on and stored in an SQL database within a control room.

The data fed into the Collection Service can be used by Sentinors FlightDesk or Cortechs Datalog5 Security Management Systems in a control room in order to display alarm information on a user friendly GUI. If you have a preferred Security Management System, then please contact Sentinor to discuss possible integration.

## Features:

- Rapid Installation
- High immunity to false alarms
- No civils work required
- Reduced cost of installation
- Advanced Technology
- Secure digital connection
- Easy integration into other security systems

Specifications	Specifications are subject of change without notice
Required server rack space	1 u 19" rack space 1 u 19" rack space
Data transfer communications	GSM PSTN Sattelite Communications
Data storage	SQL Database
Security Management Systems/User Interface	Sentinor FlightDesk Cortech Datalog5 Integration into other systems available
Power	Mains power
Operating temperature	-20C to 60C