SeSys

Networked Vision Solutions

Camera Solutions for Water Companies

Remote Monitoring Camera Systems

Applications

- Remote asset monitoring
- Monitor CSOs & storm drains
- Monitor inhospitable/dangerous areas (sewage)
- Prevent illegal dumping
- Monitor trash screens
- Process assurance
- Remote site security

How SeSys cameras benefit water companies

The assets of water companies are typically spread out over numerous sites in remote locations. Keeping sites secure from break-ins, theft and illegal dumping is a tough challenge.

SeSys's IP cameras allow water companies to make virtual visits to check on their assets. Accessing video footage from a control room or other remote location, users can 'visit' and check several locations within minutes.

This helps to greatly reduce the amount of physical site visits that need to be made, saving time and money. It also helps with reducing carbon footprint and energy efficiency.

SeSys cameras also facilitate remote viewing of inhospitable and hazardous areas such as the inside of CSOs and pumping stations. This helps to reduce staff exposure to hazards and assists with health and safety compliance.

Monitor hazardous areas, e.g. sewage pumping stations – ATEX compliant cameras allow machinery and processes in hazardous areas to be monitored and adjusted from the safety of a control room or other remote location.

"When the pumps are going full speed the chamber can be an unpleasant place to work and the SeSys cameras allow us to monitor the process from the control room." Wessex Water, UK

Monitor hazardous areas, e.g. sewage pumping stations – ATEX compliant cameras allow machinery and processes in hazardous areas to be monitored and adjusted from the safety of a control room or other remote location.

Remote asset monitoring – Assets and sites can be 'visited' and checked within minutes. Email alerts (triggered by motion or other action) can be set up to warn of activity requiring further investigation.

Monitor combined sewer overflows (CSOs) - CSOs can be checked to identify blockages or the discharge of excessive amounts of raw sewage and debris, which could threaten the environment and lead to hefty fines.

Keep trash screens free of debris - Monitoring trash screens remotely means maintenance personnel need only be deployed when there is a blockage, eliminating unnecessary routine visits.

Identify illegal imports of cess/septic waste – Cameras can be both a deterrent and used to identify perpetrators. Exceptionally high resolution allows identification of vehicles, operator, licence plate and driver, aiding prosecution.

Visual assurance of processes – Effective monitoring of processes to ensure compliance with legislation or company policy. Recordings can be kept for audit purposes and used for training and to reinforce good practice.

Borehole/hatch cover protection - Cameras provide visual verification to protect from unauthorised human and animal access and identify issues such as surface water ingress.

Business Benefits

- Saves time and money by reducing site visits
- Helps achieve carbon neutral status
- Assists with legislation compliance
- Protects valuable assets
- Ensures process compliance
- Rapid return on investment

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SeSys's Digital IP Camera Solutions

SeSys's cameras use mobile network connectivity to deliver video images to users via a control room, an ARC (Alarm Receiving Centre) or web browser.

The cameras deliver exceptionally high resolution video images, providing 30 times more detail than analogue systems. This allows users to assess the specific nature of issues and identify individuals, vehicles, number plates and other vital detail.

Integrated recording and image storage avoids the need to purchase additional video management software and recording can be continuous or event driven (e.g. motion, sound), saving on storage capacity.

Recorded events can be easily searched and retrieved, and email alarms (complete with images) alert users to any problems.

Torch Camera

The multi award-winning Torch Camera is an rapid deployment kit (RDK) comprising storage, battery and router - everything required to capture and deliver images from remote locations.

The Torch Camera is weatherproof and has low power consumption and long operating life. It can be powered by alternative energy sources, such as wind, solar or fuel cells.

For more information ask for our Torch Camera datasheet, or visit www.sesys.co.uk/Torch.html

ATEX Cameras

SeSys ATEX digital IP cameras are designed to operate in hazardous or inhospitable areas, such as sewage pumping stations, CSOs or any area where there is a build-up of flammable gasses, liquids or dust.

Cameras are connected using Power over Ethernet through a single cable installation that is reliable, flexible and safe. Low power consumption makes the cameras suited to locations where there is limited power.

For more information ask for our ATEX Cameras datasheet or visit www.sesys.co.uk/ATEX.html

SeSys cameras installed at 100 sites at Southern Water in the UK to verify drinking water sampling is properly carried out and verifiable.

Features

- Mains or battery powered
- High resolution images (2048x1536)
- Internal SD card storage (up to 64GB)
- Event driven recording (e.g. motion, light), saving on storage
- Email alarms for unusual activity
- Day/night capability
- Camera functions programmable remotely
- Images available on demand
- Low power consumption
- Solar, wind power and fuel cell options
- Low bandwidth requirement
- No software installation or licence fee
- Complete stand-alone solutions

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Specification subject to change