



Digital  
Barriers

VISUALLY INTELLIGENT SOLUTIONS for water utilities [www.digitalbarriers.com](http://www.digitalbarriers.com)

**ENHANCED SECURITY.  
HIGHLY FLEXIBLE.  
COST-EFFECTIVE.**

## Water Utilities Site Protection

Safeguarding reservoirs, water-treatment facilities and thousands of interlocking hatches presents a huge challenge, particularly where assets are in remote locations.

Early warning of unauthorised access to critical operational areas is essential to avoiding the potentially catastrophic repercussions of a compromised water infrastructure. An on-site response cannot wait until long after a breach has been detected as the damage has already been done.

Digital Barriers' solutions provide the ability to protect water utilities infrastructure where conventional security methods are either too costly or difficult to deploy.

Our range of innovative surveillance and intruder-detection technologies offer enhanced security against malicious acts, while remaining highly flexible and cost-effective.

They can be rapidly deployed to provide instant protection of perimeters, vulnerable areas and valuable remote assets.

Our solutions can either be deployed as stand-alone systems or combined to provide additional layers of security and protection:

- **EdgeVis Live** for ultra-efficient, highly secure video transmission over cellular or satellite networks, using end-to-end AES-256 encryption – allows secure monitoring of sites in locations where communications are either limited or cost prohibitive to install

- **SmartVis SafeZone** intrusion video analytics, certified by the UK Government's i-Lids(R) scheme as an approved primary detection system – reliably detects humans and/or vehicles, while reducing nuisance alarms by ignoring environmental effects such as rain, snow, shadows, moving foliage and small animals
- **EdgeVis Shield** RDC seismic ground sensors to allow rapid protection of assets and vulnerable areas across complex or harsh terrains – extends intrusion detection beyond line of sight of cameras, operating on extended battery power for ultimate flexibility

**EDGE VIS™ Live**  
Powered by TVI

**SMART VIS™ SafeZone**

SURVEILLANCE | SECURITY | SAFETY

**WE LET NOTHING  
GET IN YOUR WAY.**

By providing instant transmission of live video and intrusion alerts, our solutions allow remote control rooms or mobile security units on the ground to respond to suspicious activity immediately.

## COST-EFFECTIVE AND COMPREHENSIVE SURVEILLANCE SOLUTIONS.

Digital Barriers' wide-ranging technologies will extend security to almost any vulnerable asset or facility.

Our EdgeVis Shield ground-sensor solution provides an affordable surveillance solution that can be deployed even in the most remote locations.

This unique technology will detect and classify a potential intrusion threat, identifying whether it is a person or a vehicle. Sensors can be rapidly deployed with exceptional power efficiency, allowing them to be used in areas where communications and power infrastructure are limited.

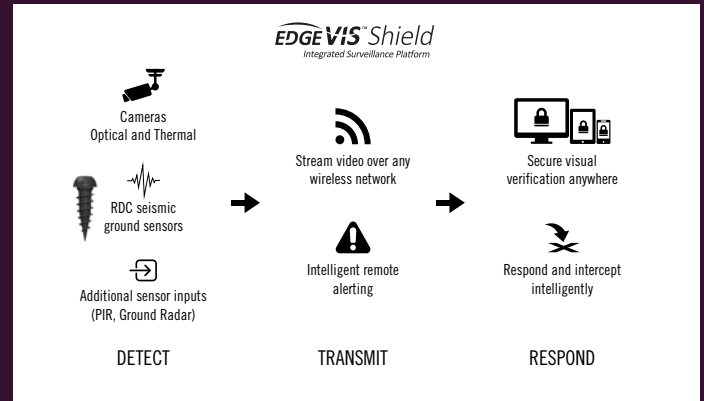
They can be buried in the ground or mounted on fixed structures to provide:

- Rapid, cost-effective protection across vast, complex terrains, with or without the need for camera systems
- Option to redeploy sensors that are operating on extended battery power for ultimate flexibility
- Fast and reliable transmission of alarm events
- Extended intrusion detection beyond the line of sight of cameras

SmartVis SafeZone, our award-winning intrusion video analytics:

- Reliably detects humans and/or vehicles, while reducing nuisance alarms by ignoring environmental effects such as rain, snow, shadows, moving foliage and small animals
- Certified by the UK Government's i-Lids(R) scheme as an approved primary detection system

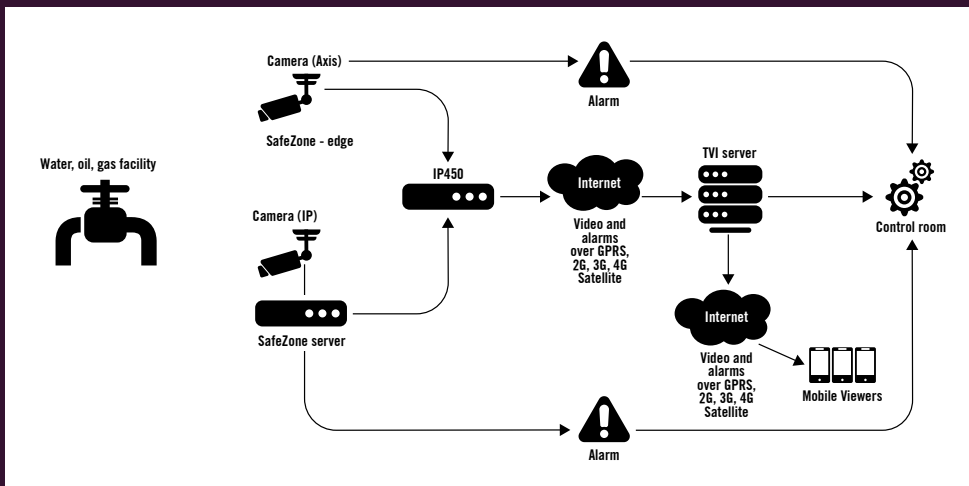
EdgeVis Live, Digital Barriers' unique video transmission technology, enables secure monitoring where communications are either limited or cost prohibitive to install.



Our innovative technology offers visual verification of intrusions by providing:

- Integration with the Digital Barriers EdgeVis Shield and SmartVis SafeZone intrusion-detection solutions
- Remote live viewing and camera control for an intelligent response, allowing control rooms or mobile security units on the ground to respond to suspicious activity immediately
- Ultra-efficient transmission from fixed, mobile and body-worn cameras, even over GPRS/2G/Satellite connections at bandwidths as low as gkbps
- Control of data costs, using up to 60% less bandwidth compared to other standards-based systems

Using Thuraya's M2M communications terminal, the secure distribution of alarm monitoring can also be handled over satellite rather than via cellular networks. This allows the solution to work in real time in the most remote locations where there is no existing infrastructure.



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Contact Digital Barriers or your local reseller for further details on our solutions

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