



Digital
Barriers

VISUALLY INTELLIGENT SOLUTIONS for oil and gas infrastructure www.digitalbarriers.com

EXTENDING SECURITY TO VULNERABLE REMOTE ASSETS.

Oil & Gas Infrastructure Protection

Protecting oil and gas infrastructure from organised crime, sabotage and opportunistic theft brings complex challenges.

Conventional observational patrols, whilst effective around their immediate location, cannot cost-effectively maintain watch over hundreds of kilometres of pipeline or remote assets.

Digital Barriers has a range of complementary and innovative surveillance and intrusion-detection technologies that can be easily deployed as temporary or permanent solutions to help safeguard remote pipelines and other assets. Our solutions can combine the following:

- **EdgeVis Shield** RDC seismic sensors for 'targeted deployments' to protect valuable assets. These can be buried in the ground or mounted to fixed structures such as pipelines, providing cost-effective protection of remote assets with or without the need for camera systems
- **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 Live** for ultra-efficient, secure video transmission over cellular or satellite networks - allows secure monitoring of sites and assets in locations where communications are either limited or cost prohibitive to install



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, combined with Thuraya's M2M communications terminal, provides an affordable surveillance solution that can be deployed even in the most remote and hostile locations.

Our unique technology will detect and classify a potential threat, identifying whether it is a person, vehicle or even somebody digging.

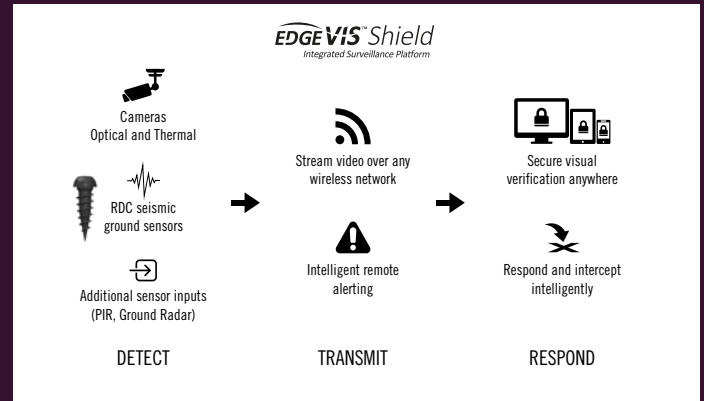
Sensors can be rapidly deployed with exceptional power efficiency, allowing them to be used in areas where communications and power infrastructure are limited.

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

- Rapid, cost-effective protection across vast, complex terrains, with or without the need for camera systems.
- Option to move sensors around in targeted areas and operate on extended battery power for ultimate flexibility
- Fast and reliable transmission of alarm events
- Extended intrusion detection beyond the line of sight of cameras

This can be combined with SmartVis SafeZone, our award-winning intrusion video analytics, which:

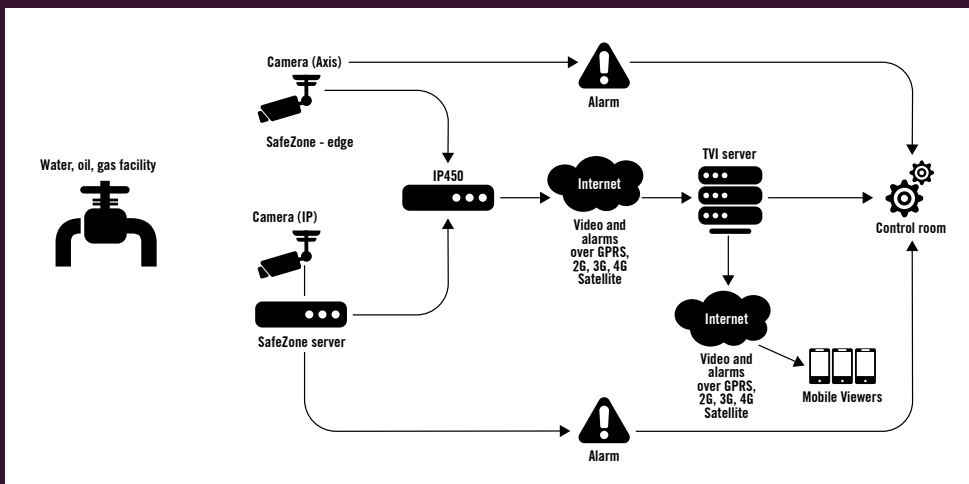
- Reliably detects humans and/or vehicles, while reducing nuisance alarms by ignoring environmental effects such as rain, snow, shadows, moving foliage and small animals
- Is certified by the UK Government's i-Lids(R) scheme as an approved primary detection system



EdgeVis Live, our unique video transmission technology, allows visual verification of intrusions by providing:

- 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 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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