

INTRODUCING CATHEXIS™ 2026

CATHEXIS™ Vision 

CATHEXIS™ Carbon 

CATHEXIS™ Connect 

CATHEXIS™ Tools 

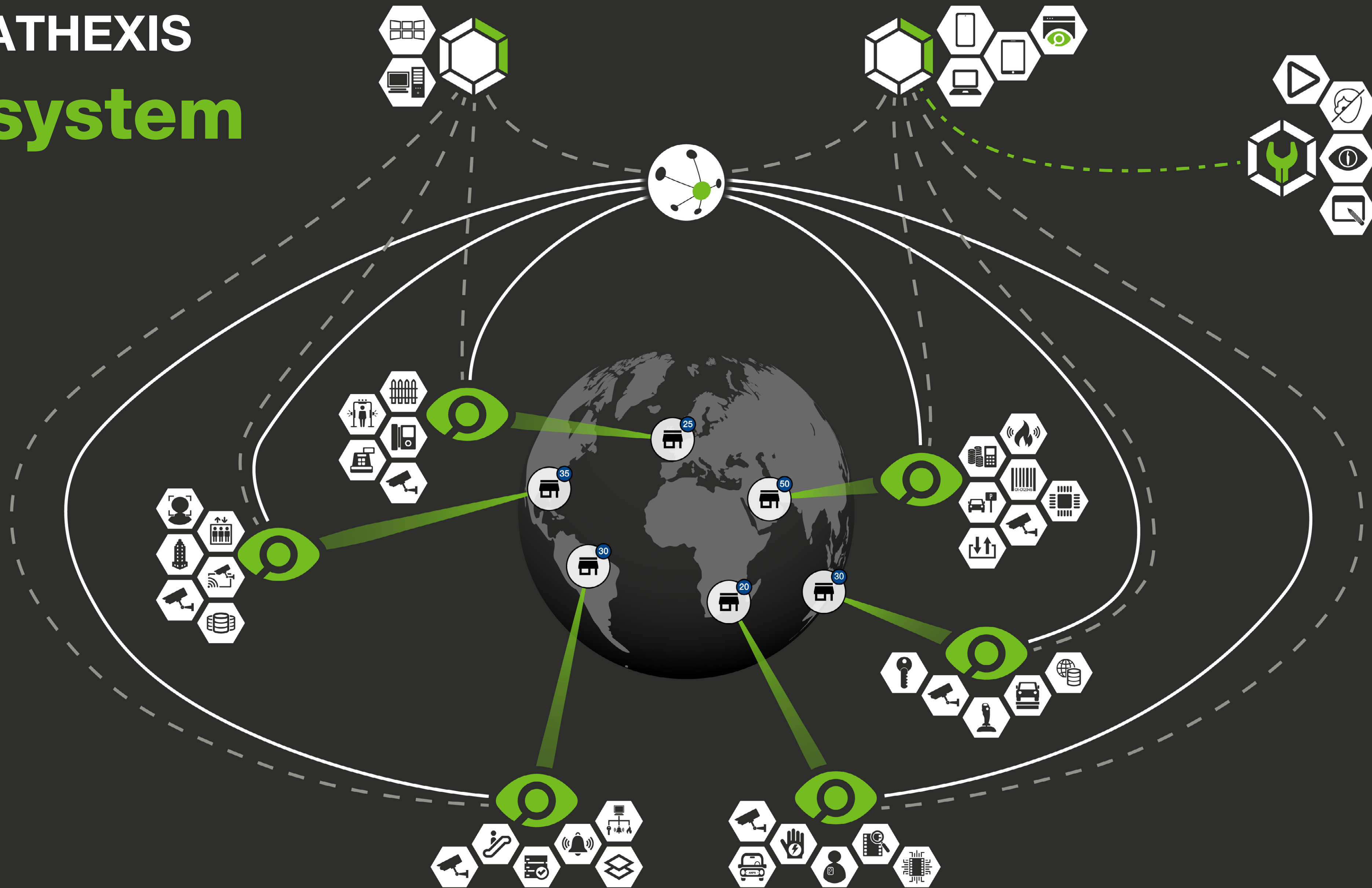
Open architecture, built for results.

Combining advanced video management and interoperability with a wide range of third-party systems, CATHEXIS delivers impactful analytics, increased efficiency and lasting ROI to industries worldwide.



Simplifying **Life**. Securing the **Future**.

The CATHEXIS Ecosystem



The CATHEXIS Ecosystem

The CATHEXIS solution is an open platform, all-in-one, analytics-rich and tightly integrated ecosystem designed to provide clear, logical structure to site management and powerful end-to-end video management solutions.

No matter the problem you are trying to solve, or the conditions and operational goals of your site, the CATHEXIS platform expands with your organisation to address its requirements.

Every component of the CATHEXIS ecosystem plays a vital role.

CATHEXIS™ Vision 

Operational Engine

Server

Client

CATHEXIS™ Carbon 

User Interfaces

Desktop

Mobile

Web

CATHEXIS™ Connect 

Central Management

Enterprise

MultiSite

CATHEXIS™ Tools 

Specialised Capabilities

Archives

Redactor

Observer

Having site management products that are **disconnected from your video management** solution slows down response times and makes your site inefficient.

Unify devices and multiply impact.

Manage access control, intercoms, alarms, body-worn cameras, and sensors from the CATHEXIS ecosystem to amplify the power of the video management solution. Store device metadata and video evidence securely for future investigation and audits. Link device events to system actions and video analytics to respond to incidents automatically and keep the site running smoothly.



- **Ajax (sensors & alarms)**

Control a wide range of devices and link video monitoring to sensor events and leak detection. Convert signals into actionable, operator-friendly workflows.

- **Gallagher (access, fence, alarms, I/O)**

One driver unlocks the full ecosystem. Manage doors and zones, monitor fences, handle alarms, and display people counts on maps—all through a single integrated driver that makes installation and maintenance easier.

- **Uniview (intercoms)**

Answer from anywhere. Treat intercoms like cameras: view, record, and answer calls from the same operational interface.

- **Multiple camera integrations and enhancements**

Integrations

Tier 2 Database

Portals

GIS Maps

Standard Maps

Web

Alarm Management

Redactor

Support

Balance the priorities of quick access to recent video and affordable long-term storage.

A cost-effective storage strategy.

Save costs by deploying a combination of lower capacity, high-performance storage (Tier 1) and cheaper, high-capacity bulk storage (Tier 2). The Tier 1 storage serves as a buffer to more efficiently serve the Tier 2 storage with data when bandwidth is available.

Schedule transfers from Tier 1 to Tier 2 to occur only at specific times, to reduce the impact on network and storage infrastructure during peak hours. Operators don't need to know the location of the video – the system retrieves it automatically, providing responsive playback and maximising storage efficiency.

- Seamless playback from both tiers as a single timeline
- Scheduled transfers to optimise load on network and storage infrastructure

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In control rooms with hundreds of camera feeds, switching to other cameras or controlling outputs needs to be convenient to save time and avoid bottlenecks.

A powerful control and navigational layer.

The Portals feature is a customisable, dynamic tool to link cameras to other cameras on a site, be alerted to motion on other cameras at a glance, and control other resources such as intercoms and outputs with just a click.

Navigate between areas directly on live video feeds by clicking custom shapes or icons that are overlaid on the scene. Portal objects can be placed anywhere on the video, with the option to move dynamically with the scene or be fixed on the panel for quick access. You can customise portal shapes and icons so that they best represent the link to the next camera or output.

By matching each view to your real-world layout, and placing controls directly on the camera feed, operators can respond faster and site management is streamlined.

- Portal objects are overlaid on live video for instant navigation and easy control
- Intuitive setup, customisable shapes and icons, and tailored placement of objects
- Faster, accurate reactions in busy control rooms



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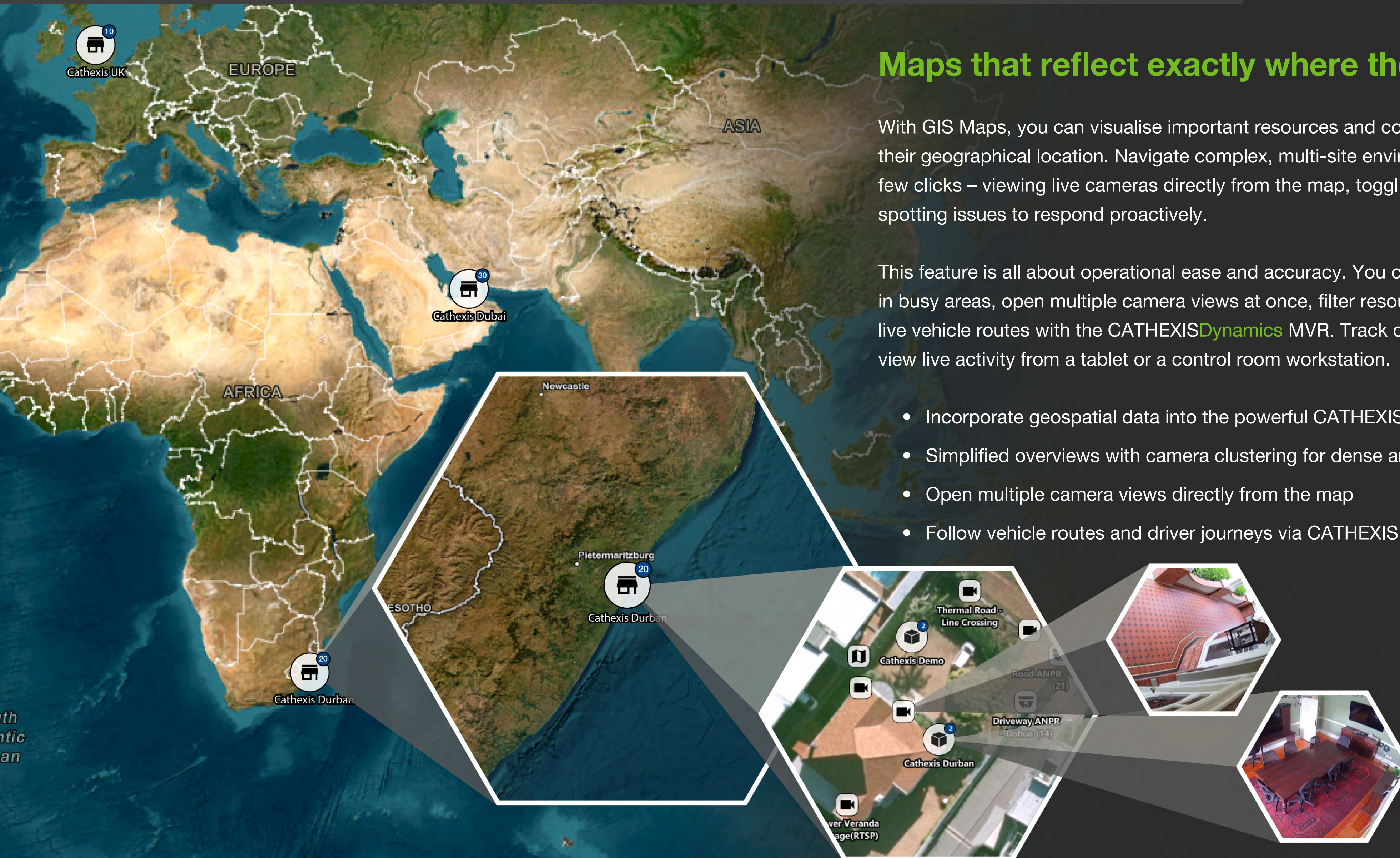
It's difficult to monitor a vast geographical area with several sites and thousands of resources when maps don't reflect what's happening in real time.

Maps that reflect exactly where the action is.

With GIS Maps, you can visualise important resources and connect them to their geographical location. Navigate complex, multi-site environments in just a few clicks – viewing live cameras directly from the map, toggling outputs, and spotting issues to respond proactively.

This feature is all about operational ease and accuracy. You can cluster cameras in busy areas, open multiple camera views at once, filter resources, and follow live vehicle routes with the CATHEXIS Dynamics MVR. Track driver journeys and view live activity from a tablet or a control room workstation.

- Incorporate geospatial data into the powerful CATHEXIS solution
- Simplified overviews with camera clustering for dense areas
- Open multiple camera views directly from the map
- Follow vehicle routes and driver journeys via CATHEXIS Dynamics MVR



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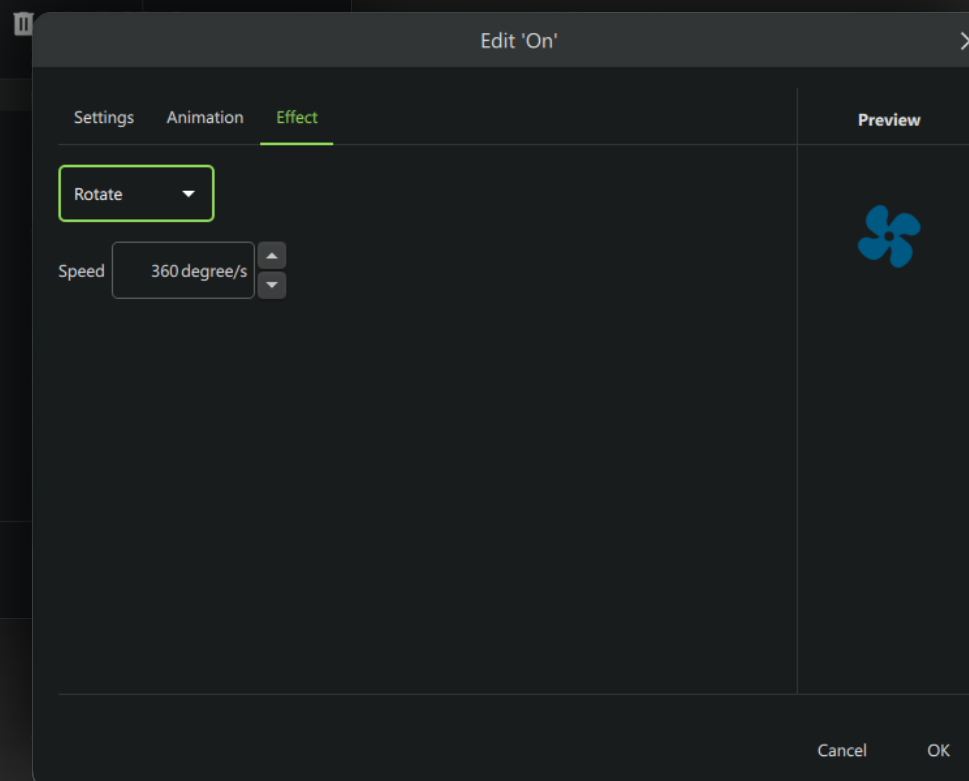
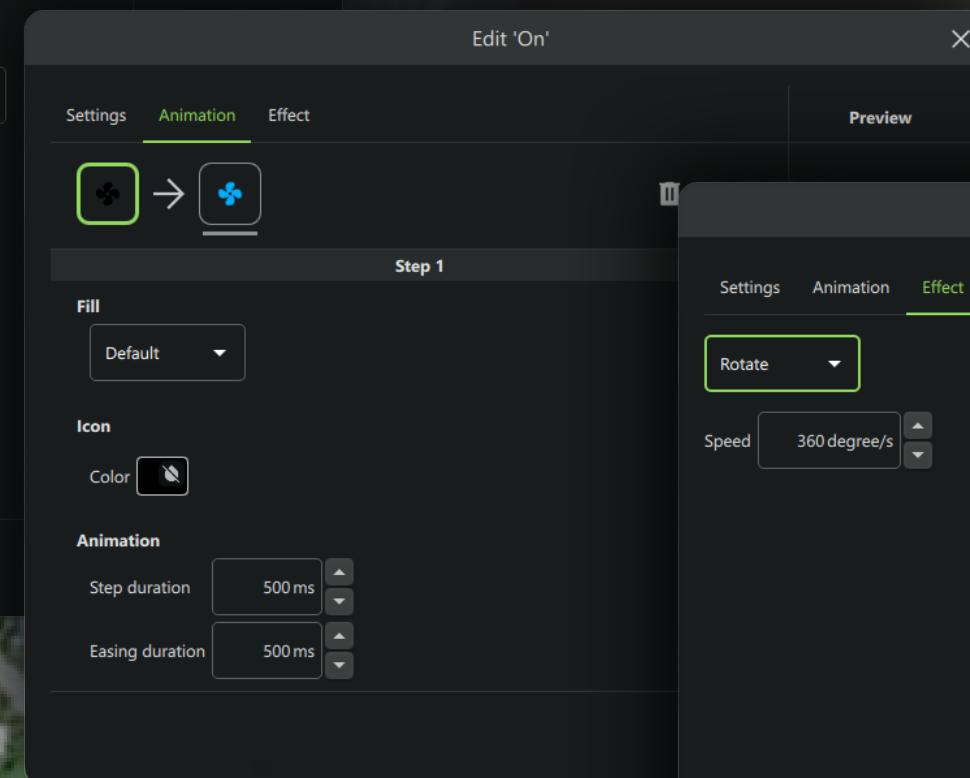
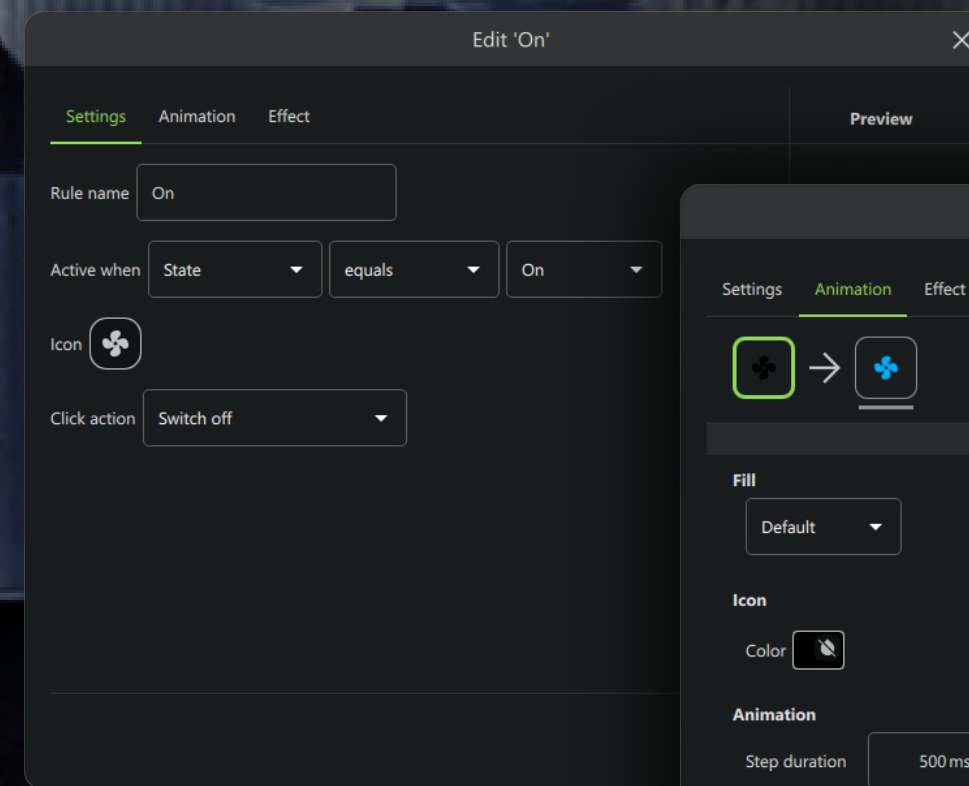
Support

It's hard to gain useful information quickly from static maps. They also offer limited options for control and don't clearly show live system states.

Maps with greater flexibility and functionality than ever before.

Maps with animated icons, styled objects, and detailed state information (such as open/closed, on/off) give operators a real-time visual understanding of the environment. Clickable actions and variable text make it easy to show system activity and implement responses based on pre-set rules.

- Visual states on the map
- Clickable actions linked to rules-driven automation
- Animated icons and an icon library with attention-grabbing effects
- Copy/paste objects, shapes, and styles for rapid setup



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Installing and configuring client software on every device you view your site from uses valuable time and resources.

Monitor from any machine, anywhere.

Video monitoring is made easy with the CATHEXIS web-based client application. Simply log in via a browser to view and review footage from your NVR installation directly.

The interface is easy to operate, and adjusts to your connection to keep playback smooth and responsive. Navigation and incident monitoring are facilitated by CATHEXISCarbon features such as Portals, Adjacent Camera Mapping and layout tools.

- No client software to install, simply connect via a browser
- Adaptive streaming for smoother viewing on variable bandwidth
- Navigate with Portals and Adjacent Camera Mapping
- Auto-reconnect for consistent remote monitoring



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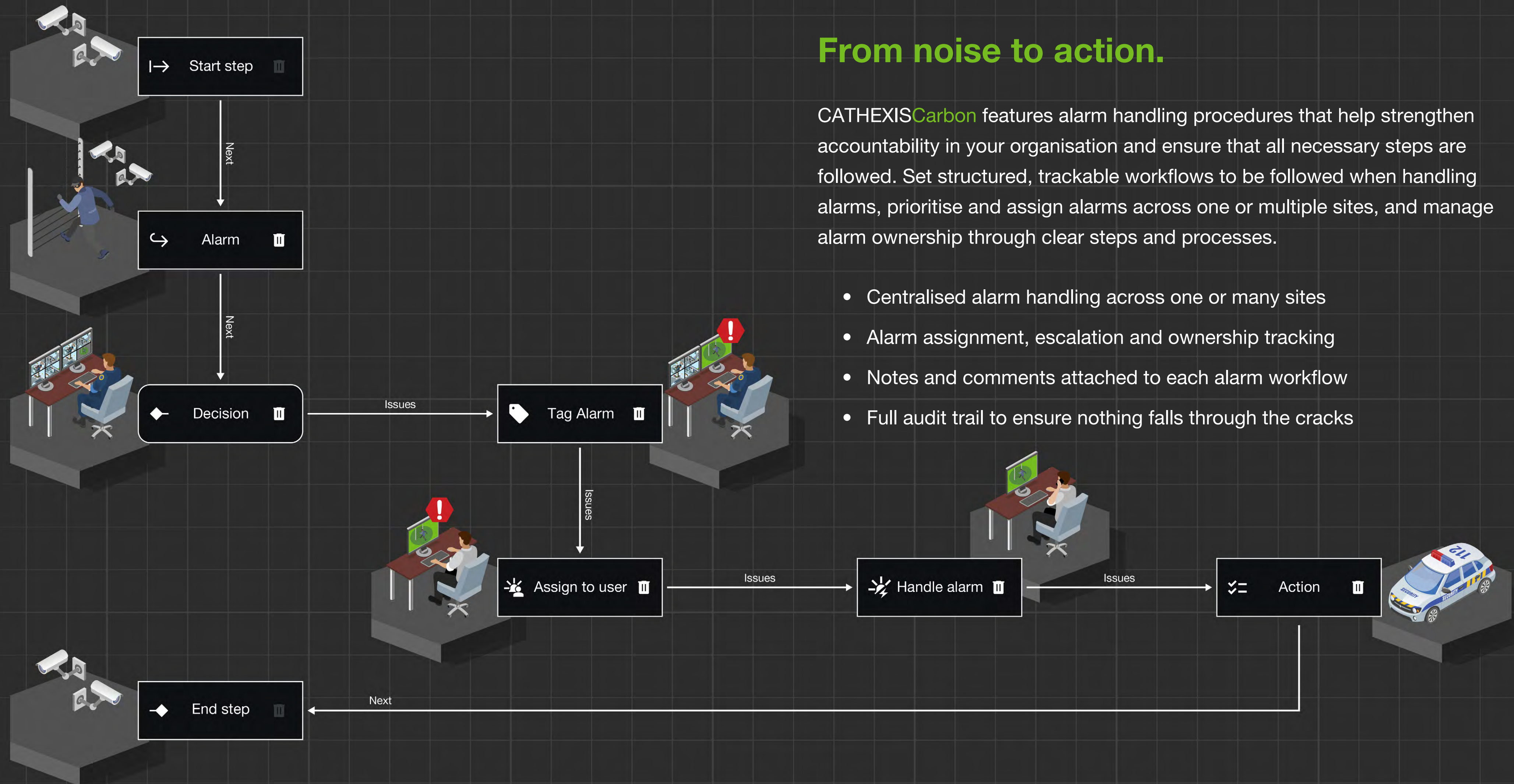
Support

In busy control rooms, it's difficult to handle hundreds of alarms among multiple operators efficiently.

From noise to action.

CATHEXIS^{Carbon} features alarm handling procedures that help strengthen accountability in your organisation and ensure that all necessary steps are followed. Set structured, trackable workflows to be followed when handling alarms, prioritise and assign alarms across one or multiple sites, and manage alarm ownership through clear steps and processes.

- Centralised alarm handling across one or many sites
- Alarm assignment, escalation and ownership tracking
- Notes and comments attached to each alarm workflow
- Full audit trail to ensure nothing falls through the cracks



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It's important to protect personal data in exported video footage in order to achieve regulatory compliance and avoid penalties.

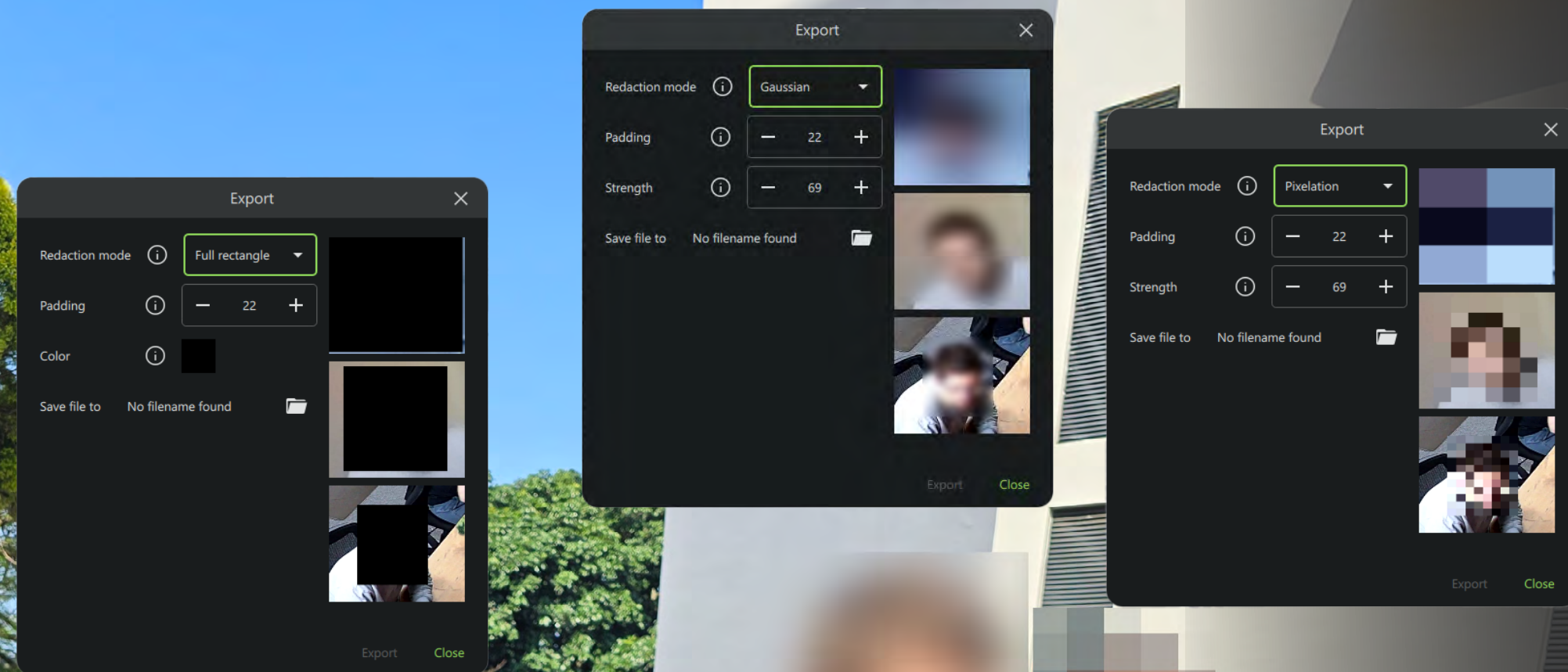
Protect privacy, reliably.

CATHEXIS Tools Redactor makes it straightforward to protect identities and redact sensitive information in exported video footage.

This tool is customisable to suit the parameters of the footage and the requirements of the evidence. You can detect, track and redact multiple faces, rename and edit face trails, preview exports, and keep a record of changes. Custom thresholds help reduce false positives and you can select CPU or GPU acceleration to speed up export times. Fisheye cameras are also supported.

CATHEXIS Tools Redactor makes meeting privacy requirements a smooth process for your video monitoring team.

- Detect, track, and edit multiple faces
- Custom thresholds to minimise false positives
- Drag-and-drop editing of face trails with full undo/redo
- Fisheye camera support



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Syncing multi-site configurations and managing connection details for thousands of sites is error-prone and time-consuming.

Scan, connect, go.

QR-based site onboarding makes it easier and quicker to access multiple sites. Create a QR code showing a site's connection details, which operators and technicians can scan with the CATHEXISCarbon mobile app. Connecting instantly eliminates the need for guesswork or manually entering information.

Keep sites in sync, simply.

Instead of having to configure maps, roles, access rights, resource groups, layouts and other settings on the local site, and then again on CATHEXISConnect Enterprise, you can choose to add a federated site to the Enterprise. Any changes made to the Carbon configuration on the site are mirrored on the Enterprise.

Federated sites give you central control and updated information, reducing complexity and streamlining setup.

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Lengthy troubleshooting at remote sites can increase downtime and operational risk.

Faster fixes.

Our support teams deploy CATHEXIS diagnostic tools that allow them to quickly and securely access detailed system information from client sites. They can identify and fix issues faster, helping to prevent disruptions to daily operations.

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Jason Marshall
CATHEXIS Support Manager