


# Security & Surveillance portfolio for rail



# Detect, assess, respond and collaborate to prevent and contain future incidents

Increasing demand for transportation options and a greater focus on sustainability have driven interest and investment in the rail industry. According to the [International Energy Agency](#), passenger and freight traffic are predicted to double by 2050. With increasing traffic and limited abilities for expansion, railways have become more congested. Congestion on the tracks, combined with pandemics, terrorism, natural disasters and other threats have intensified safety and security expectations for rail operators.



**Having a system in place to respond quickly and mitigate problems is key, but having a system that helps prevent incidents is even better.**

The seconds between detecting a threat and resolving an incident can be costly for rail operators. Hexagon's Security & Surveillance portfolio for rail protects passengers and personnel while also safeguarding critical infrastructure and property, helping you restore operations as quickly as possible. By integrating and connecting infrastructure, assets and people, our portfolio provides end-to-end workflows for detecting, assessing, responding and collaborating to prevent and contain incidents.

## Get to know the portfolio

Hexagon solutions work together to offer the right technology at the right time to detect, manage and prevent incidents.

### Detect

#### Leica BLK247 and accur8vision

Threat detection near your assets and infrastructure is redefined with 3D surveillance and expanded perimetric security.

By combining LiDAR, video, thermal sensors, edge computing and artificial intelligence (AI), the [Leica BLK247](#) smart 3D surveillance system can immediately determine threats versus non-threats. It has 360-degree by 270-degree true 3D monitoring, with the option to monitor an entire space or a defined area of interest using 3D geofencing.

Unlike conventional systems that typically guard perimeters, the [accur8vision](#) smart 3D surveillance system guards the entire area of a patrolled space. If an intruder enters a guarded area, such as a tunnel entrance, the system is notified. The operator receives data based on the exact location, size and speed of the intruder – even the trajectory of his or her movements. Because the system knows the size of moving objects, it is possible to ignore small objects, such as animals, as well as large objects, including passing trains.

Both systems help rail security teams reduce false positives, which saves time and costs associated with teams investigating non-threatening issues.

#### Qognify VMS

To monitor situations in real time or investigate incidents after they happen, visual information is an important building block of the physical security strategy of rail and transport companies.

[Qognify VMS](#) is an open-platform enterprise-class video management software (VMS) solution to receive, store, visualize, distribute and export video streams from thousands of different surveillance camera models. In addition, it integrates with



Hexagon's Security & Surveillance portfolio provides end-to-end security workflows for rail providers, including tools to detect, assess, respond and collaborate to prevent future incidents.



Hexagon technology such as accur8vision smart 3D surveillance as well as with numerous third-party event sources like video analytics, access control or intrusion detection systems to detect relevant situations in real time and draw security personnel's attention to things that really matter.

## **Assess**

### **HxGN OnCall Security | Guardian**

Protecting people and critical infrastructure is a vital, ongoing process, but sifting through the noise of disparate systems to identify threats can become overwhelming.

[HxGN OnCall Security | Guardian](#), part of the HxGN OnCall portfolio, is a physical security information management (PSIM) add-on solution for monitoring and managing live incidents. It integrates data from Leica BLK247 and accur8vision systems, plus data from other alarms, sensors, video, IoT and intrusion devices to provide real-time situational awareness. Guardian reduces monitoring burdens on security teams by centralizing security operations and detection inputs into a common operating picture.

## **Assess & Respond**

### **Qognify Situator**

When an incident occurs, every second counts. It is key to orchestrate the intake, assessment and management of an incident in the best possible way to enable the most effective and rapid response to minimize its impact.

[Qognify Situator](#) is an incident management solution that provides bidirectional integration with a wide variety of third-party systems. This enables maximum situational awareness and understanding in real time. Situator also supports the intake process to ensure that all relevant information is recorded and documented in a structured way. But first and foremost, it makes a significant contribution to the digital transformation of rail operators and infrastructure providers by mapping their standard operating procedures (SOPs) in dynamic digital workflows and guiding safety and security operators through the ideal response process – step by step.

## **Respond**

### **HxGN OnCall Dispatch**

When Guardian is combined with [HxGN OnCall Dispatch](#), rail security operators can dispatch incident responders as needed. It provides comprehensive dispatching and incident management to deliver better results, from routine incidents to major emergencies and events.

Supporting on-premises, cloud or software-as-a-service (SaaS) deployments, OnCall Dispatch provides superior dispatch and response management capabilities in the public safety answering point (PSAP), control room, station, unit or anywhere first responders need to go. Accessible by a browser and mobile app, it delivers a range of role-based capabilities so agencies can assign the right tools to every type of user.

## **Collaborate**

### **HxGN Connect**

Detecting, assessing and responding to threats involves not only security operations centers (SOCs), but also other agencies and at times city, state or regional governments. That means cross-functional collaboration, shared awareness and coordinated action are necessary for the best possible outcomes.

[HxGN Connect](#) is a cloud-native, real-time incident center as a software-as-a-service solution that allows rail security operators to share data and coordinate action among diverse teams based on different types of data such as assets, events and incidents, units, cameras, alarms and more. It allows them to build dashboards on the fly that are specific to the needs and mission at hand and then share those dashboards with other organizations and agencies who play a role in the coordinated action and response.

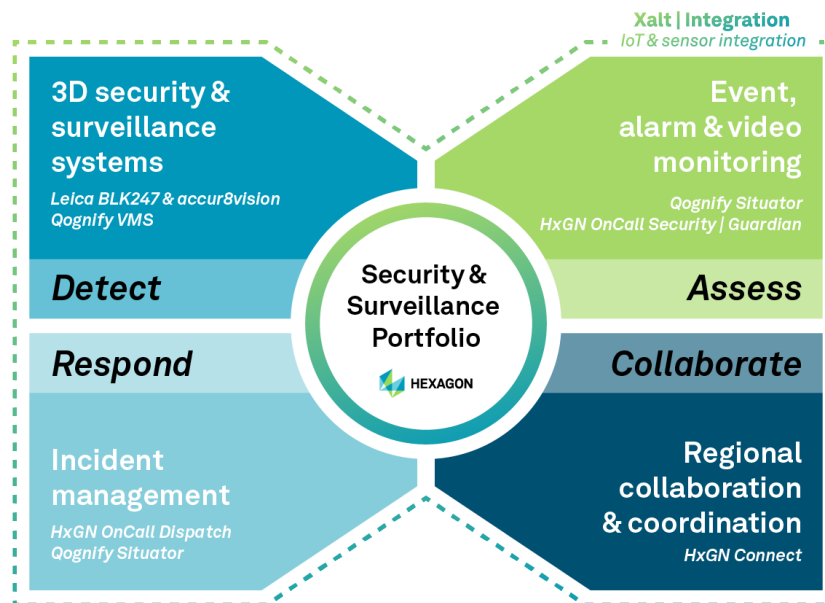




## Integrate

### Xalt | Integration

Tying everything together in the background, [Xalt | Integration](#) provides plug-in IoT, sensor and enterprise integration for a single intuitive interface for legacy connections, databases and IT systems.



Hexagon is a proven partner to rail organizations around the world, helping protect passengers, freight and assets.




## Benefits

- **Choice of solutions:** Use one, some or all the solutions within the Security & Surveillance portfolio to meet your needs.
- **Less hassle:** Work with a single, trusted partner for all your security, surveillance and infrastructure management solutions.
- **Build on your investment:** Leverage your existing security and alarm systems, sensors and video assets within our common operating picture software.
- **Complete life cycle management:** Go beyond monitoring and assessment to collaborating and responding with other organizations to resolve issues as quickly as possible.
- **Scalability:** Seamlessly transition from simple security monitoring and response to managing diverse teams and complex operations across large and diverse organizations and regions.

Hexagon's Security & Surveillance portfolio provides capabilities proven to protect railways around the globe, including some of Europe and North America's busiest networks. Use it to ensure safe passage for the people and freight traveling your tracks.

| [Keep moving forward](#)



**Keep your trains running on time and your assets and people safe with Hexagon's Security & Surveillance portfolio for rail.**





Hexagon is the global leader in digital reality solutions, combining sensor, software and autonomous technologies. We are putting data to work to boost efficiency, productivity, quality and safety across industrial, manufacturing, infrastructure, public sector, and mobility applications. Our technologies are shaping production and people-related ecosystems to become increasingly connected and autonomous – ensuring a scalable, sustainable future.

Hexagon's Safety, Infrastructure & Geospatial division improves the resilience and sustainability of the world's critical services and infrastructure. Our solutions turn complex data about people, places and assets into meaningful information and capabilities for better, faster decision-making in public safety, utilities, defense, transportation and government.

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