

HxGN dC3 Video

Video management software



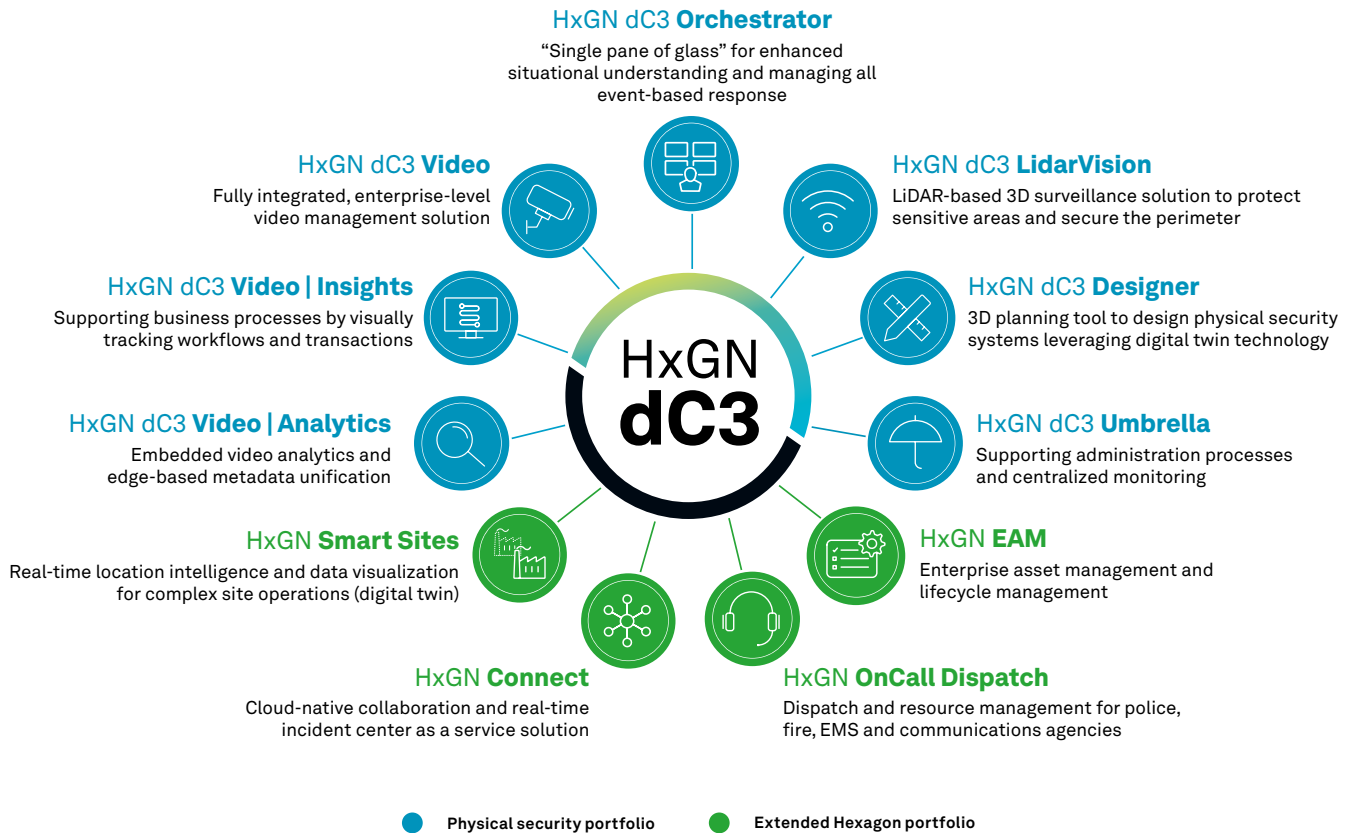
The power of HxGN dC3

Organizations worldwide are increasingly encountering heightened threats and risks due to surges in global crises, trade conflicts, political instability and the consequences of climate change. In response to these challenges, there is a growing need for holistic security concepts that effectively protect people, properties and assets.

To address these issues, Hexagon has developed HxGN dC3, a unified physical security technology ecosystem designed to manage the entire lifecycle of an incident and minimize its impact. This innovative portfolio integrates the C3 approach — command, control and collaborate — familiar from the control center environment, with advanced event detection technologies.

HxGN dC3 also leverages the power of Hexagon’s broader solution portfolio, which contains powerful mapping and visualization capabilities, dispatch and collaboration tools and enterprise asset management.

The HxGN dC3 portfolio



More information: hxgnsecurity.com

HxGN dC3 Video

The heart of your physical security ecosystem

HxGN dC3 Video is an enterprise-class video management software solution that has its roots in the proven video surveillance solution Qognify VMS. Built to meet the unique requirements of enterprise video users and interact with a wide variety of third-party systems, devices and sensors, it is the perfect choice to sit at the heart of your physical security ecosystem.

Thanks to its modular architecture, HxGN dC3 Video is designed to adapt to the ever-changing requirements of enterprise projects, making it a flexible and future-proof solution even beyond physical security.



Low TCO

Thanks to its incredibly efficient recorder architecture, HxGN dC3 Video minimizes your hardware footprint and keeps total cost of ownership low.



Connectivity

It fits seamlessly into your physical security ecosystem: open interfaces enable convenient bidirectional integration of third-party systems (video analytics, access control, intrusion detection, etc.).



Management

Individual organizational structures can be mapped through detailed rights and role management and Active Directory integration.



Usability

Individually configurable alarm scenarios enable quick response in case of an event. Different client types (native, web and mobile) offer flexible access to your VMS – even remotely.



Security

HxGN dC3 Video uses state-of-the-art encryption to secure data transmission between different components. Automated patch delivery via the Update Server ensures HxGN dC3 Video always stays up to date and secure.



Resiliency

Thanks to the integrated redundancy and failover concept, HxGN dC3 Video systems can be optimally protected against system failures.

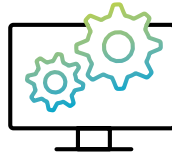
Intuitive handling

HxGN dC3 Video combines maximum functionality and user-friendliness. The user interface stands out with an exceptionally clear, modern layout, which offers intuitive user guidance. HxGN dC3 Video exploits the benefits of modern operating concepts and combines them with ingenious functionality and optimized ergonomics – right down to a glare-free night mode.



Click2Track

Track people directly in the camera view with just a single click



Customizable view

Customize day/night mode, archive and live image in a mixed view



Monitor wall support

Place views via drag and drop onto video walls



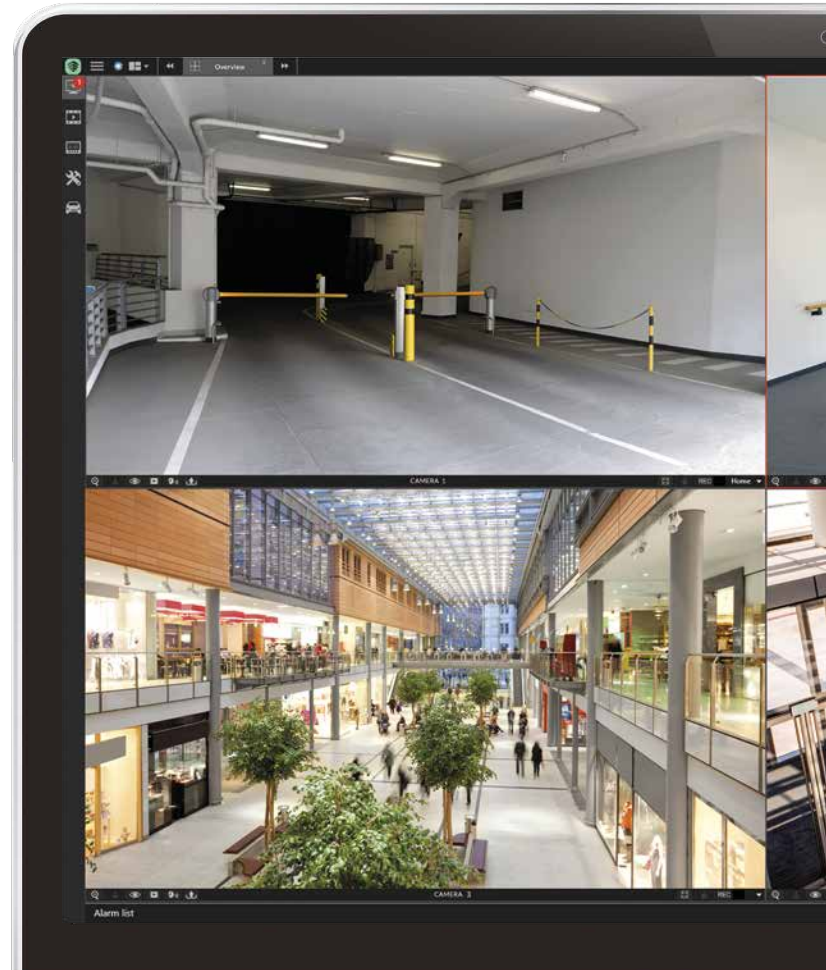
Multicamera configuration

Configure multiple cameras in one go for quick and efficient setup



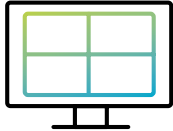
Lasso select

Select cameras with the lasso directly in the layout plan – to understand a situation as fast as possible



Time-saving and efficient functionalities

The clear and structured UI of HxGN dC3 Video guides you unobtrusively to perform any desired task and helps to directly access any extension module. It provides the operator clear situational awareness at all times while allowing for fast response – in Live, Archive and Configuration mode. HxGN dC3 Video is easy, fast and effective in operation, even with just a short familiarization phase.



Predefined 2 x 2 view

Contains Predefined Alarm/Live/Archive/Trigger View – for an improved understanding of events



Color definitions

Use colors to classify alarms to always stay on top of things



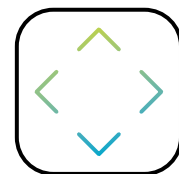
Alarm management

Keep all current alarms on-screen, even in Archive mode, with alarm counter and pop-up notifications



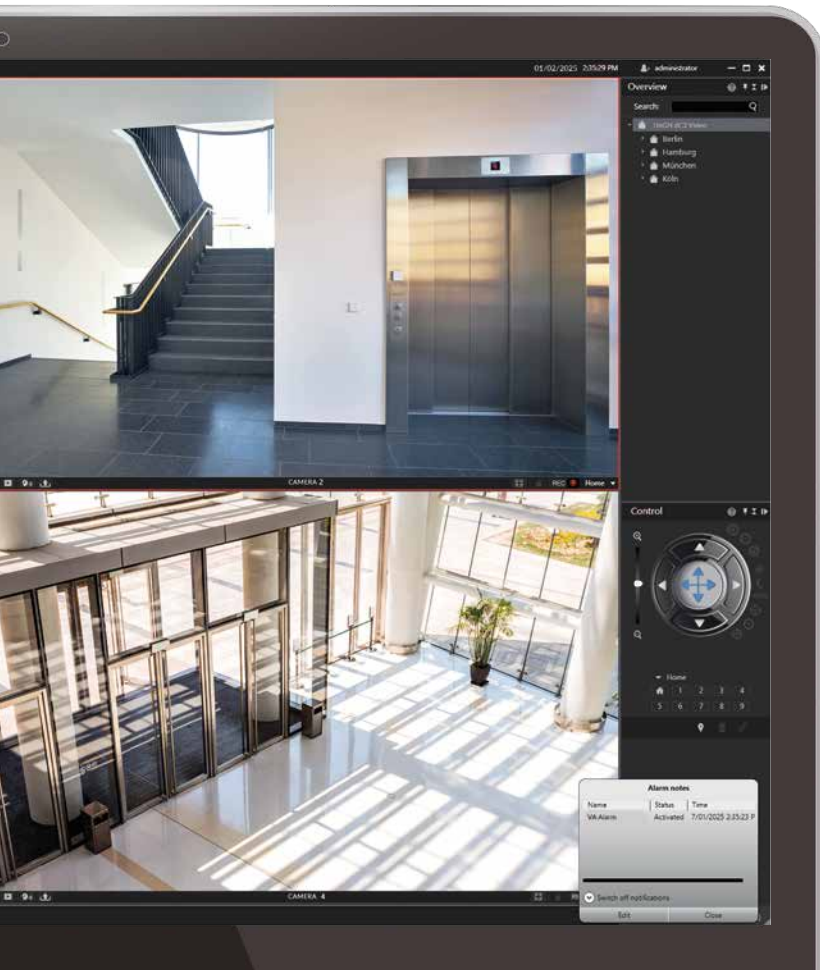
Audio control panel

Use the integrated audio control panel for bidirectional audio and VoIP communication



PTZ control

Control PTZ cameras for intuitive and quick navigation

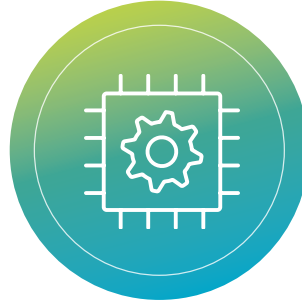


Seamless integrations



SYSTEMS

- Industry-specific systems like PoS and ERP are integrated quickly and easily thanks to a driver-based approach.
- Security systems such as building management, access control, intrusion and fire alarm as well as control center solutions can be integrated via interfaces.
- Third-party systems can be integrated via network I/Os and TCP triggers.
- VoIP-enabled devices are connected via integration of SIP servers.
- OPC UA, the leading cross-system standard in automation and safety technology, is supported.
- Active Directory Support/Single Sign-on for central administration and rights assignment is available for all users, along with convenient system access.



HARDWARE

- HxGN dC3 Video is manufacturer independent – it supports a large number of camera models from various manufacturers.
- In addition, many other camera models can be integrated via the ONVIF standard.
- Analog cameras and systems are integrated via video encoders.
- Smart Drivers allow easy integration of new camera models.



ANALYTICS

- In addition to the embedded analytics within HxGN dC3 Video, third-party video analytics (server- or camera-based) can be flexibly integrated via the analytics interface.



Video analytics and license plate recognition (LPR)

In times of ever larger and more complex systems and increasing staffing issues, it is important to quickly draw an operator's attention to a relevant situation. Video analytics can help – and HxGN dC3 Video offers a wide range of powerful capabilities for this.

For example, the HxGN dC3 Video | Analytics package adds a range of advanced real-time analytics functions. It covers the most common use case of video-based perimeter protection but also provides further functions such as 2D counting, object detection, fire and smoke detection and facial recognition.

There are also two solutions for automatic LPR available for HxGN dC3 Video. A powerful standard solution enables license plate formats from more than 50 countries to be

detected and read automatically, including all 50 U.S. states, as well as provides information on car model and color depending on the license tier. A more sophisticated AI-powered LPR solution allows for even higher accuracy and can be used, for example, for high-performance access control and vehicle counting based on license plates.

HxGN dC3 Video is a vendor-agnostic open-platform VMS, and it contains a powerful analytics interface to interact with a wide range of third-party analytics solutions – whether they are edge based or server based.

HxGN dC3 Video | Finder Forensic search

HxGN dC3 Video | Finder is a non-proprietary forensic search tool that leverages the capabilities of edge devices and third-party analytics that can be used to quickly locate persons or vehicles of interest.

It speeds up investigations significantly by enabling operators to search, retrieve and replay recorded camera footage using search criteria that includes physical attributes such as color (of a vehicle or a piece of clothing), or typical accessories (like persons wearing glasses or hats), etc.



Focusing on your needs

Physical security solutions are never static. Use cases and regulations vary from industry to industry and technology is constantly evolving.

Focusing on the outcomes for large organizations in different industries and environments, HxGN dC3 Video was designed to meet specific and dynamic requirements – to provide the maximum level of security.

Retail

Offering advanced functionalities to support loss prevention and better understand shopping behavior, HxGN dC3 Video is designed to meet the specific requirements of retail chains.

It provides retailers with holistic security solutions that span the brick and mortar stores as well as e-commerce warehouses, leveraging advanced process visualization capabilities.



Government and higher education

Hexagon understands the unique requirements of keeping public spaces and campuses safe and offers a unified and integrated security platform for the public space and higher education. HxGN dC3 Video contributes significantly to safety in public spaces, such as parks, roads and sports facilities and protects cultural assets from theft and vandalism. In conjunction with access controls or video analytics, it becomes a sophisticated alarm system to safeguard residents and students.



Transportation

Millions of passengers use public transportation every day, and video security managed by HxGN dC3 Video is an essential part of protecting people in airports, train and subway stations and more.

HxGN dC3 Video helps transportation companies make their infrastructure more safe and secure, optimize their operating and emergency procedures and ultimately save costs.

Banking and finance

Physical security in the finance industry can be demanding. Strict regulations, distributed systems and a variety of locations – branches, ATMs, operations centers, corporate offices – are just some of the factors to be addressed.

HxGN dC3 Video is designed to meet these requirements – with an advanced IT security concept as well as with management and monitoring capabilities to support multisite environments.



Industry and corporate campuses

Protecting industrial plants and corporate campuses is a core element of the security strategy of enterprise organizations. It helps them address serious threats such as theft of data or assets, manipulation and sabotage, and industrial espionage. HxGN dC3 Video captures the specific requirements of these organizations by providing a high degree of resiliency or a series of powerful open interfaces to make video a part of an overall physical security ecosystem.



Cybersecurity

HxGN dC3 Video is well protected on the system level: data traffic between the server and client is safely encrypted. This is just one reason why HxGN dC3 Video has been certified for various sensitive and critical use cases, e.g., within the financial sector. Since security threats are ever changing and technological advancements never stop, HxGN dC3 Video provides you with a system that always adapts to new challenges. Regular security patches distributed with the help of an AutoUpdater ensure your version of HxGN dC3 Video is always up to date – even automatically with a valid Support and Maintenance Agreement (SMA).





Privacy and data protection

HxGN dC3 Video offers a number of functions to operate video systems in a secure manner and provide the best possible protection of privacy for employees, customers and visitors. For example, sensitive areas of the image or moving objects can be anonymized. Additional administrative functions such as the four-eye principle (passwords must be entered by at least two people) also provide software security when it comes to who can see the recorded data.



Privacy masking

Sensitive image areas (e.g., break and recreation rooms, public areas) are masked by a freely definable area and hidden in the live and archive images, depending on rights.



Motion scrambling

Moving objects or objects that differ from a reference image defined in advance are displayed pixelated in the live image and anonymized.

Flexible configuration

HxGN dC3 Video can be customized easily to fit the needs of any company, no matter the size. Because software installation can be distributed across multiple servers, those servers can be positioned in different locations (e.g., stories) if required.

All systems – even large, globally distributed ones with thousands of cameras – can be managed and controlled centrally using HxGN dC3 Video. The system architecture physically separates the clients from the server side. Because recording of image data and communication with cameras are integrated system services, no separate programs need to be launched or local logins are needed.

User management with different administrator levels

HxGN dC3 Video facilitates the management of over 1,000 users. Detailed rights to control cameras or to access HxGN dC3 Video components and functionalities such as buttons or maps can be assigned to each user individually. That means a user rights matrix based on the organizational structures of your company can be created.

ADVANCED ALARM SCENARIOS

Gives you the ability to define and specify complex alarm scenarios as to how to respond to specific events in case of an alarm, or which third-party systems are actuated.

WIZARD

Provides step-by-step workflows to easily create new system elements such as cameras or alarm scenarios.

MULTICONFIGURATION TOOL

Simplifies and accelerates the setup of multiple cameras and camera groups.



Resiliency

High availability with HxGN dC3 Video is achieved by a combination of redundant system management and fail-safe recording. Using standard IT equipment, you can reduce the downtime of your system to a minimum – regardless of its complexity.



Redundancy

If the central administration server is unavailable, a proxy server comes into play and permits error-free operation of the system with the existing user rights (island mode). Windows Cluster and virtualization are supported.



Failover

If a recording server fails, a hot-standby server automatically takes over and recording continues reliably.



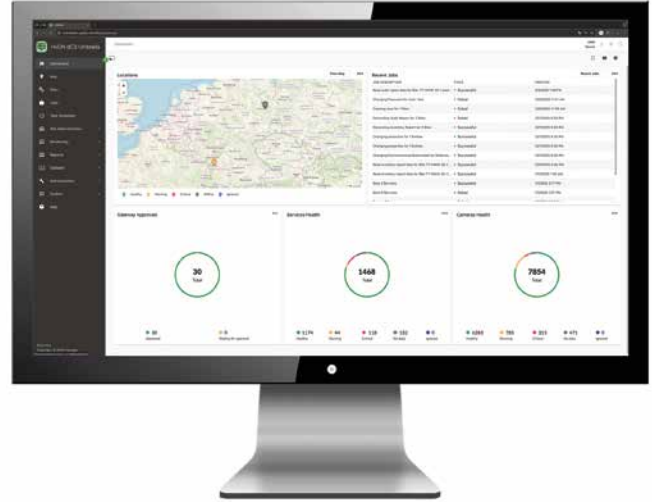
Mirrored recording

To avoid gaps even when a recording server is removed or damaged, the system can be configured to mirror all recordings.

Administration and monitoring

In recent years, video surveillance projects have become larger and more complex, demanding more resources and increasing operational costs. Managing the configuration of multiple sites is time consuming and monitoring the health status of all servers and cameras across every location is a challenge. As a consequence, organizations frequently over-spend on technical expertise and unnecessary licenses, as well as potentially expose themselves to regulatory risk.

As an extension module for HxGN dC3 Video, HxGN dC3 Umbrella enables the configuration, management and monitoring of all connected VMS systems across multiple sites using state-of-the-art web technology.



Configuration

The Configuration Module enables you to quickly and easily perform recurring administrative tasks for many independent HxGN dC3 Video systems in one go.



Monitoring

The Monitoring Module provides fast and clear information about the status of the connected HxGN dC3 Video systems.

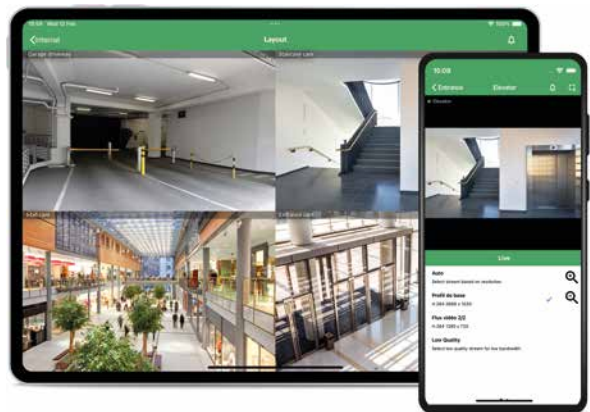


Reporting

The Reporting Module allows for easy and quick documentation of the important parameters of the VMS configuration as well as of changes made by users.

HxGN dC3 Mobile Client

The HxGN dC3 Mobile Client allows fast, straightforward access to your HxGN dC3 Video installation from anywhere in the world. It's available for iOS and Android and supports 4G/5G and Wi-Fi connections.



Variable and scalable

Product packages

Package	BASIC	ADVANCED	INFINITY	
GENERAL	Number of cameras	50	unlimited	unlimited
	Number of servers	1	unlimited	unlimited
	Number of clients	5	unlimited	unlimited
	Number of I/O devices	unlimited	unlimited	unlimited
	Number of cameras per server	50	unlimited	unlimited
MANAGEMENT	Centralized management	X	✓	✓
	Multilevel administration	X	✓	✓
	Video restriction	X	X	✓
	Camera sharing	X	X	✓
	Multi-installation login	✓	✓	✓
	Camera edge-storage support	X	✓	✓
	Redundant management server	X	✓	✓
	Recorder failover	X	optional	✓
	Mirrored recording	X	X	optional
	Logical grouping	X	X	✓
	Active Directory support	✓	✓	✓
	OpenID	X	optional	✓
	Extended recording and access	X	X	✓
	Cloud storage	optional	optional	optional
	HANDLING	Maps	✓	✓
Advanced maps (ESRI)		X	optional	optional
Advanced alarm scenarios		X	✓	✓
Click2Track		X	optional	✓
Video file reader		X	optional	optional
INTEGRATIONS	SDK	optional	optional	optional
	Analytics Interface	optional	optional	optional
	Events Interface	optional (intrusion) ¹	optional	optional
	Intercom integration (events)	X	✓	✓
	OPC UA server	X	✓	✓
	VoIP support	X	optional	✓
	HxGN dC3 Umbrella interface	✓	✓	✓
	HxGN dC3 Video Insights	optional	optional	optional
	Body cam integration	X	optional	optional
Mobile cam integration	optional	optional	optional	
ANALYTICS	HxGN dC3 Video Finder	optional	optional	optional
	HxGN dC3 Video Analytics	optional	optional	optional
	License plate recognition	optional	optional	optional
	Reference image comparison	X	X	✓
MISC.	Motion scrambling	X	✓	✓
	Transcoded archive playback	✓	✓	✓
	Display agent (video wall)	X	optional	✓

¹ According to a defined list. A list of supported solutions / devices will be provided by Hexagon on request.



Hexagon is the global leader in precision technologies at any scale. Our digital twins, robotics and AI solutions are transforming the industries that shape our reality.

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, defense, transportation, government and physical security.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 24,500 employees in 50 countries and net sales of approximately 5.4bn EUR. Learn more at [hexagon.com](https://www.hexagon.com) and follow us [@HexagonAB](https://twitter.com/HexagonAB).