



Empowering IoT Solutions with No-Code AI and Edge Computing

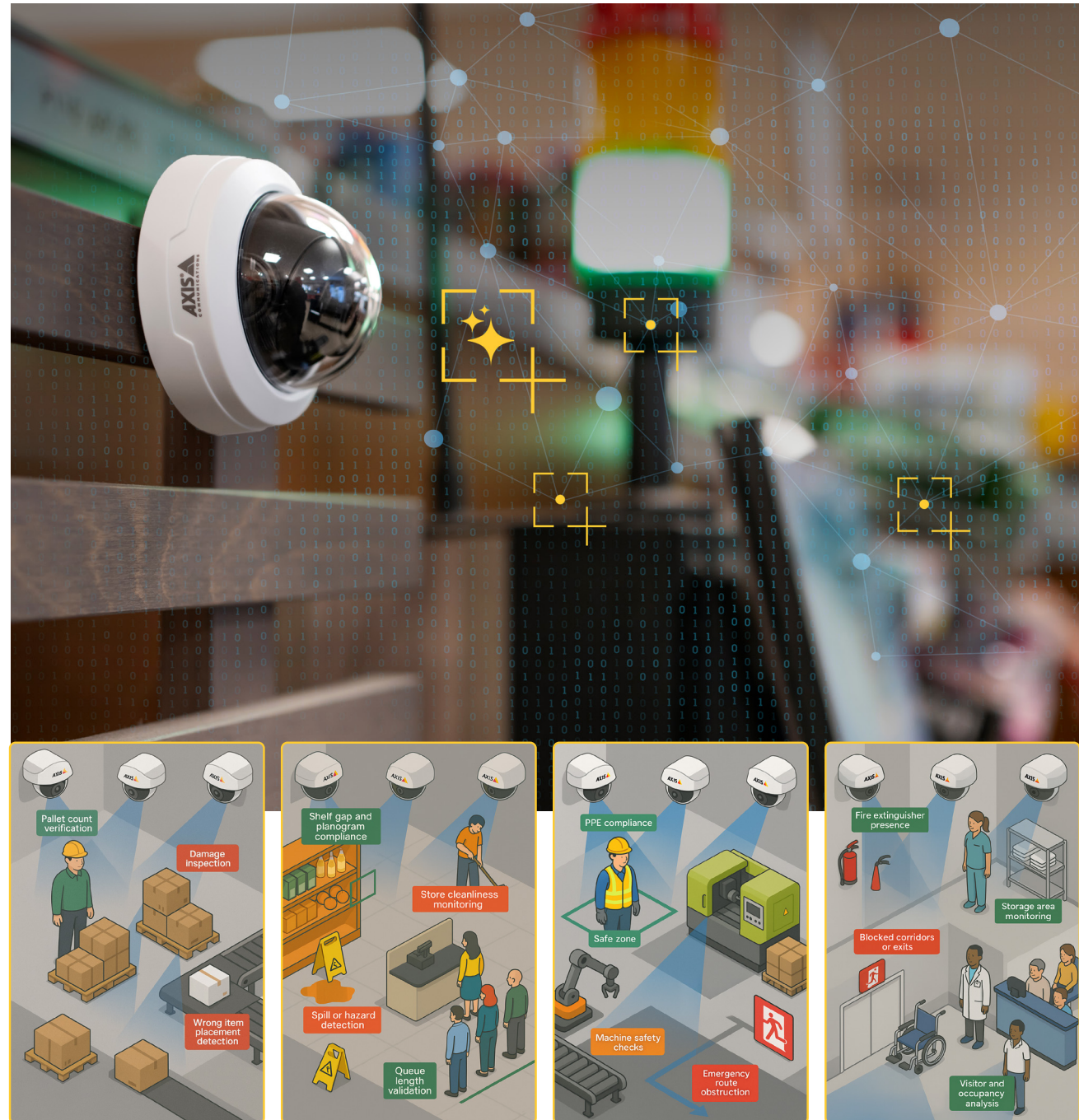
A partnership-driven solution that simplifies IoT deployment, automates processes with no-code AI, and provides actionable insights from diverse data sources, enhancing efficiency and intelligence across various environments.

The vast potential of the modern IoT landscape

In an increasingly interconnected world, businesses across industries face the challenge of leveraging the vast potential of IoT devices and AI without the complexity of traditional coding and integration. While the promise of smart environments, automated processes, and real-time insights is clear, the actual implementation often requires specialized skills, significant development time, and intricate system integration.

Axis Communications, a global leader in network video and IoT solutions, and Gravio, a no-code AI and edge computing platform, have partnered to deliver an intelligent, integrated solution designed to make advanced IoT deployments accessible and efficient. This partnership enables a flexible integration and orchestration layer for intelligent AI/IIoT solutions, making advanced deployments more accessible and efficient.

Leveraging Axis's robust network infrastructure and Gravio's no-code orchestration platform, this solution enables organizations to connect sensors, cameras, and IoT devices to their business systems, turning physical phenomena into actionable digital data. This partnership embodies Axis's commitment to smart, connected solutions, promoting operational excellence, enhanced security, and superior environmental intelligence.

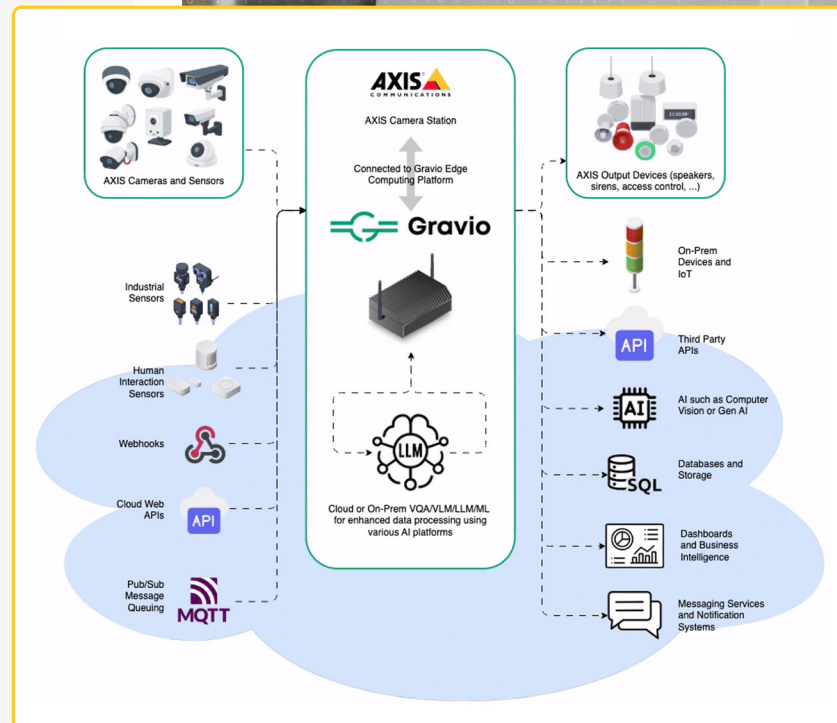


Navigating IoT Implementation Challenges

Businesses often face complex challenges when integrating IoT devices, extracting meaningful data, and automating processes without sufficient development resources. Common issues include:

- > Complexity of integrating diverse IoT devices and sensors from multiple vendors.
- > Difficulty in processing data at the edge for real-time insights and immediate actions.
- > The need for specialized coding skills to develop and deploy IoT and AI solutions.
- > Lack of actionable insights due to disparate data sources and siloed systems.
- > Challenges in scaling IoT deployments efficiently across multiple locations or large facilities.
- > Ensuring data privacy and security while processing sensitive information.

Traditional approaches often require significant development effort, leaving blind spots and hindering quick adaptation and innovation.



Gravio: Your Intelligent IoT Operations Partner

Gravio offers a comprehensive, intelligent platform that integrates seamlessly with Axis' high-performance network cameras, specifically ARTPEC-8 and ARTPEC-9 chipsets. The solution enables unique operational insights, simplifying IoT deployment and enhancing automation across various applications.

Inside Gravio: key pillars of innovation

- > **Axis Network Video Devices:** Provide high-resolution, reliable video feeds and structured scene metadata, enabling advanced AI analytics and event detection at the edge.
- > **No-Code AI & Automation:** Gravio Studio offers a no-code user interface for building complex event processing logic and orchestrating AI capabilities, including computer vision and visual question answering, allowing non-developers to create powerful IoT solutions without writing a single line of code.
- > **Edge Computing & Real-time Processing:** Gravio processes data locally on edge devices (Gravio Hub), enabling real-time reactions and automation while supporting hybrid edge and cloud architectures where required.
- > **Diverse Sensor & Device Integration:** Connects a wide range of IoT devices and sensors (e.g., temperature, humidity, motion, CO2, door/window contacts) alongside Axis cameras, consolidating data from various sources.
- > **Seamless System Integration:** Designed to easily connect with existing business systems, databases, messaging platforms, and cloud services, ensuring that IoT data can drive actionable outcomes across the enterprise.
- > **Privacy-First Design:** By processing data at the edge and focusing on event-based triggers, metadata and anonymized analytics, Gravio helps maintain privacy and compliance.

Unlock your full potential: enhance intelligence and automation

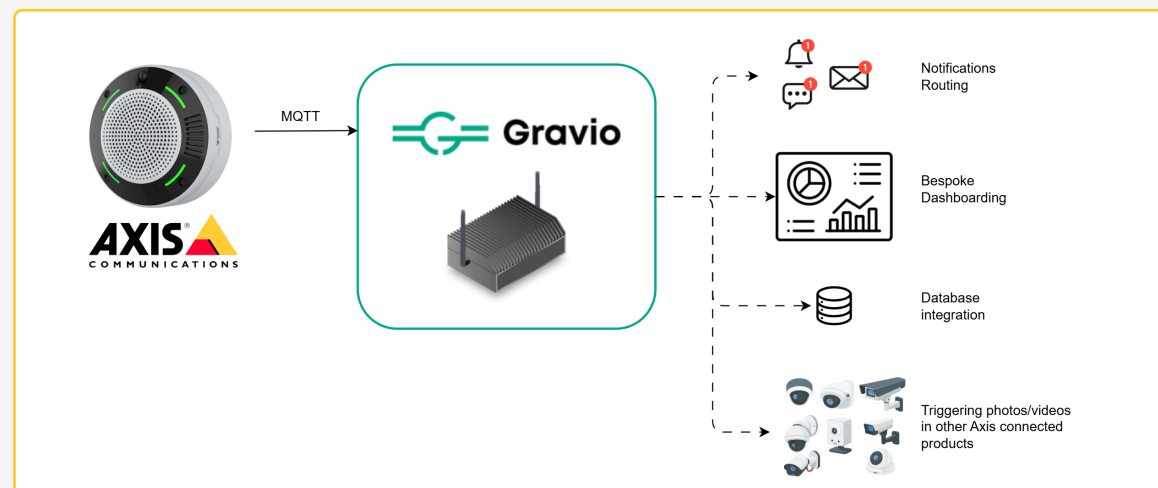
Gravio empowers businesses to implement intelligent automation across various use cases, transforming physical environments into smart, responsive spaces.

Vape Detection Solution

- > Automatically detect vaping incidents in restricted areas using environmental sensors.
- > Integrate with Axis cameras for visual verification and recording, without identifying individuals.
- > Trigger real-time alerts to staff via email, messaging, or existing facility management systems.
- > Implement proactive measures to deter vaping and ensure a healthy, compliant environment.

Enhanced Security Systems

- > Combine sensor data (e.g., motion, door open/closed) with Axis camera feeds to provide comprehensive situational awareness.
- > Leverage Visual Question Answering (VQA) to query live or captured images in natural language, enabling flexible safety, compliance, and operational checks without training custom vision models.
- > Automate incident responses: trigger alarms, activate lights, send notifications, or initiate recordings.
- > Improve the accuracy of security alerts and significantly reduce false alarms by correlating multiple data points.
- > Streamline security operations with integrated, real-time data and automated workflows.



Your success, measured: benefits at a glance

Benefit

- No-code development
- Real-time edge intelligence
- Seamless integration
- Scalable IoT deployment
- Proactive anomaly detection
- Data-driven automation

Impact

- Rapid deployment and reduced IT dependency
- Instant insights and automated responses
- Unified data across diverse systems
- Efficient growth across locations and use cases
- Enhanced safety, security, and operational quality
- Optimized processes and resource allocation



The engineering behind Gravio

- > **Axis Devices Supported:** Network cameras with ARTPEC-8 and ARTPEC-9 chipsets.
- > **Direct Edge Processing:** Inferencing and data processing occur at the edge on the Gravio Hub, enabling real-time actions and minimizing reliance on the cloud.
- > **Connectivity:** Supports Ethernet, Wi-Fi, 4G/5G, Bluetooth LE, as well as MQTT, RestAPI, and other sensor or data exchange protocols for comprehensive device integration.
- > **Platform Compatibility:** Gravio is designed for flexible integration with POS systems, ERP, CRM, messaging platforms, and various cloud services.
- > **Data Security and Privacy:** End-to-end encryption, role-based access, and local processing capabilities contribute to a robust privacy and security posture.

Your Gravio journey: From exploration to operation

Gravio supports organizations through an **Innovation as a Service** approach, guiding teams from early use case exploration to operational edge AI solutions built with Axis devices.

- 1 **Use Case Discovery and Planning** – Operational challenges and opportunities are assessed to identify practical automation and AI scenarios aligned with business objectives.
- 2 **Solution Design and Device Integration** – Axis cameras and IoT sensors are selected and connected to Gravio edge nodes, forming the foundation for on-prem or hybrid processing.
- 3 **Scenario Development** – AI logic, Visual Question Answering (VQA), event triggers, and system integrations are developed using Gravio Studio's no-code tools.
- 4 **Deployment and Validation** – Solutions are deployed into live environments, monitored, and refined to ensure reliability and performance.
- 5 **Operational Enablement and Scaling** – Teams are enabled to adapt and extend solutions independently, supporting expansion from pilot deployments to multi-site operations.

This approach enables continuous innovation at the edge while reducing complexity and development effort.

Why choose Axis and Gravio?

- > **Trusted Expertise** – Axis's global reputation for reliable network solutions combined with Gravio's proven no-code AI and edge computing platform.
- > **Flexible & Scalable** – Solutions that grow with your business, adaptable to various environments and evolving operational needs.
- > **End-to-End Support** – From initial planning and deployment to ongoing operations and optimization.
- > **No-Code Simplicity** – Empowers business users and operations teams to build and manage sophisticated IoT solutions without specialized coding skills.
- > **Edge Intelligence** – Real-time processing for immediate actions, improved efficiency, and reduced reliance on cloud infrastructure.
- > **Privacy by Design** – Local processing and event-based analytics contribute to robust data privacy and security.

For more detailed information or to explore how our solution can be tailored to your specific needs, [visit us](#).

The power of network video

- > Superior image quality
- > Remote accessibility
- > Easy, future-proof integration
- > Scalability and flexibility
- > Cost-effectiveness
- > Distributed intelligence
- > Proven technology



Real-world results: a success story

During a trial period, a business implemented Gravio to enhance facility monitoring and automate responses, experiencing significant improvements:

- > **95% reduction in undetected vaping incidents** in designated non-smoking areas, leading to a healthier and more compliant environment for occupants.
- > **70% faster response time to security events** by automatically triggering alerts and camera recordings upon anomalous sensor activity, improving overall security posture.
- > **50% decrease in manual monitoring efforts** by automating routine checks and alert generation, allowing staff to focus on critical tasks.

With Gravio, data is orchestrated into action, enabling organizations to operate smarter, safer and more efficiently at the edge.

About Axis Communications

Axis enables a smarter and safer world by improving security, safety, operational efficiency, and business intelligence. As a network technology company and industry leader, Axis offers video surveillance, access control, intercoms, and audio solutions. These are enhanced by intelligent analytics applications and supported by high-quality training.

Axis has around 5,000 dedicated employees in over 50 countries and collaborates with technology and system integration partners worldwide to deliver customer solutions. Axis was founded in 1984, and the headquarters are in Lund, Sweden.

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