



2025

Malaysian-based company that provides comprehensive visual data solutions for the offshore, construction, and utility



At Sivdio, we believe that innovation is the cornerstone of progress. Our journey began with a vision to revolutionize the way construction projects are monitored and managed, and today, we stand at the forefront of delivering high-resolution visual solutions powered by AI and IoT technologies.

The construction industry faces ever-evolving challenges, from ensuring safety to meeting tight deadlines and maintaining cost efficiency. At Sivdio, we aim to address these challenges with solutions that provide real-time insights, improve safety standards, and streamline workflows. By blending cutting-edge technology with a commitment to excellence, we empower our clients to achieve smarter, safer, and more efficient project outcomes.

Our mission is clear: to be a trusted partner in advancing visual data management and monitoring solutions., delivering value through automation, precision, and proactive risk management. We are dedicated to driving positive change and fostering growth across the industry.

Thank you for trusting Sivdio as your partner in innovation. Together, we can build a future where technology and construction work seamlessly hand in hand.

#### Azhan Maidin

Managing Director



A Brief Story About The Company



# **ABOUT US**



At Sivdio, we are pioneering the integration of advanced technologies in construction monitoring and management. By leveraging high-resolution imaging and Artificial Intelligence (AI), we empower construction professionals with real-time insights, improved safety protocols, and data-driven decision-making tools. Our commitment to innovation ensures projects are delivered efficiently, within budget, and on schedule.

With a focus on automation and precision, our solutions offer continuous site monitoring, proactive risk identification, and streamlined workflows. By combining robust surveillance infrastructure with cutting-edge AI analytics, Sivdio is driving the construction industry toward smarter, safer, and more efficient practices.

Choose Sivdio as your partner for modern, technology-driven project management solutions.



# VISION

To revolutionize high-resolution visual data information by leveraging cutting-edge technologies





## MISSION

To deliver advanced visual monitoring solutions that empower industries with real-time insights, enhance safety, optimize workflows, and ensure timely, costeffective project execution through innovative technology.

# **VALUE PROPOSITION**

Sivdio delivers unparalleled visual data solutions, combining high-resolution imaging, AI analytics, and IoT integration to ensure proactive risk management, enhanced safety, and seamless project execution. A diagram (or circle diagram) is very common in the business world and the mass media and is used to illustrate numerical proportions in pieces in the circular statistical graph. The arc length of each slice in a pie chart (and thus its central angle and area) is proportional to the quantity it represents.

For us, it demonstrates our capability in superficial data capture in rendering more informative data that satisfy the requirements of corporate entities.



As a visual data provider, we use this square symbol to represent data being extracted into the system.

This information is derived from images and footage captured while providing our services to clients.

This represents the heart or core of our services, as well as the eye that captures details during the visualisation acquisition process.

SIV + DIO is a statement of our brand name which reflects the modus operation of image and footage captured visual data.

# **OUR LOGO**

#### **Rationalisation of Our Corporate Logo**

RED+GREY+WHITE is our corporate colour, which is RED with warm and positive colour, a colour that is very physical, which attracts attention and calls for action. RED means energy, passion, action, power and excitement in colour psychology.

While GREY is dignified and solemn GREY, the colour and sophistication of business is suited. It's not an extreme colour, it's middle ground, it's reasonable. It also combines with wisdom – the kind of experience we have had. GREY colour – refined, decent, conservative, understated, elegant and reverent.

And color WHITE speaks out of chaos as simplicity, organisation and efficiency. It sets out how we intend to move forward. Equality, equity and impartialization, neutrality and independence are White's main features. It is a colour that reassures us to to create order and skills.

- THE BIRTH OF COMPANY; Establishment of AMK Enterprise, a startup company that offers media production services.
- First market penetration provides RUAG Aerospace GmbH, Germany, with service.
- Change the name of the AMK Enterprise to the Sivdio Enterprise
- Documenting the FPSO Armada Sterling project for Bumi Armada Berhad.
- Documenting Cypark Resources Berhad's 17MW Photovoltaic Power Plant Remediation Project for Landfills.
- . Conversion of a Sole Proprietorship to a Limited Liability Company
- . The formation of SIVDIO IMAGING SDN BHD
- Certified vendor list under Malaysian Finance Minister
- Certified vendor register under Tenaga Nasional Berhad
- First construction project employing Remote Construction Monitoring for the TUN RAZAK EXCHANGE and TRX Signature Tower 108.
- Certified vendor register under Tabung Haji Berhad
- Certified vendor register under PETRONAS.
- Certified vendor register under for Sapura Energy Berhad,
- Certified vendor SBM Offshore
- Certified vendor Malaysian Resources Corporation Berhad (MRCB)
- Documenting Malaysia Largest Scale Solar Farm project, TNB Solar Sepang for Tenaga Nasional Berhad
- Documenting Large Scale Solar Farm project, TNB Solar Bukit Selambau, Sungai Petani for Tenaga Nasional Berhad
- Remote Construction Monitoring for Yondr Data Centre, Sedenak, Johor.
- Remote Construction Monitoring (Timelapse) for K2 Data Centre, Sedenak, Johor
- Remote Construction Monitoring for Yondr Data Centre 2nd Phase, Sedenak, Johor



# HSE

#### OUR COMMITMENT

Management is firmly committed to a policy enabling all work activities to be carried out safely, and with all possible measure taken to remove (or at least reduce) risks to the health, safety and welfare of workers, contractor, authorised visitors and anyone else who may be affected by our operations. We are committed to ensuring we comply with the Occupational Safety and Health Act 1994 Standards as far as possible.



MANAGEMENT; Will provide and maintain as far as possible;

- · a safe working environment.
- · safe systems of work.
- plant and substance in safe condition.
- facilities for the welfare of workers.
- information, instruction, training and supervision that is reasonable necessary to ensure that each worker is safe from injury and risks to health.
- a commitment to consult and cooperate with workers in all matters relating to health and safety in the workplace.
- a commitment to continually improve our performance through effective safety management.



#### WORKERS

WORKERS; has obligation to;

- comply with the safe work practices, with the intent of avoiding injury to themselves and others and damage to plant and equipment.
- take reasonable care of the health and safety of themselves and others.
- wear personal protective equipment and clothing where necessary
- comply with any direction given by management for health and safety.
- not misuse or interfere with anything provided for health and safety.
- reports all accidents and incidents on the job immediately, no matters how trivial.
- report all known or observed hazards to their supervisor or manager.

















worldbay aviation sdn. bhd.



CLIENTS CHANNEL







Cypark









































SUNWAY







# SERVICES

#### A Brief Story About Our Services

Our most recent services aim to improve the conventional methods of Big Data acquisition in all aspects of engineering projects for the construction, offshore, and utility sectors.

To us, Big Data refers to unstructured data with an emphasis on images and videos. By implementing the correct sequence in the process of acquiring Big Data, the outcome has proven useful for marketing, analytics, and planning, and has become an integral part of the organization's retrospective process for achieving its objectives.

#### **Division of Our Services**

Therefore, based on our extensive years of experience, we have segmented three primary services as integral components of the services that we can offer based on your prerequisites.

These segmented services are alluded to as:



It was about ensuring the successful completion of construction projects. By applying technologies including sensors, cameras, and software programmes, this service provider monitors and controls the progression of construction-related tasks. Errors and delays are mitigated, and stakeholder engagement is boosted as a result.



#### **Collecting Data Digitalisation**

Heavy engineering and construction have experienced rising levels of digitization for a while now, and this trend is only gaining strength. By providing a clear vision and centralising this vision to provide greater resources and structure to every other project, it is not just about systems but also about organisational processes and persons. Giving a unified vision achieves this.

The digital age has completely changed how we get data.

Businesses, governments, and other organisations may collect data in real-time and operate more effectively and efficiently because to the flexibility and ease of digital platforms.

#### Data Storytelling & Visualisation

Obtaining significant data and visually presenting it is the process of data visualisation. This sort of visualisation can now examine and explain complicated situations and objects thanks to modern technology, improving the presentation of suggested solutions to clients and other stakeholders.

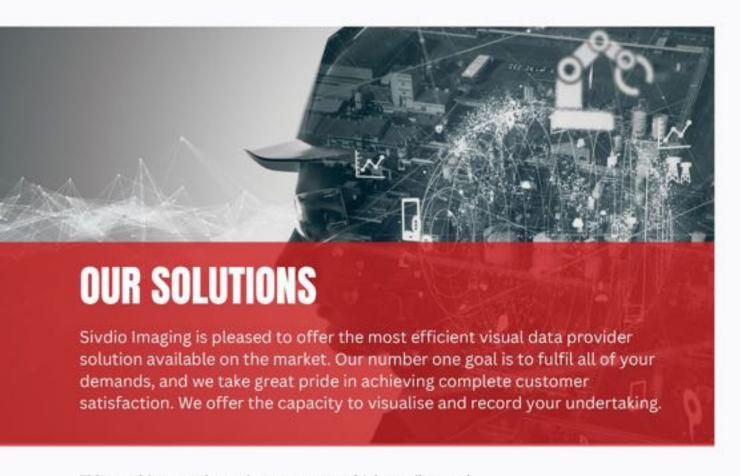
# VALUE CHAIN TOWARDS INDUSTRY

Sivdio is in a unique position to be at the top of the value chain because of its collaboration with reputable technology providers in serving clients.



BID Management System

S BUILDINGCONNECTED



This provides you, the project managers, with immediate and current information to enhance your decision-making, to the extent that we can accommodate any need and scale with any project size!

As a comprehensive provider of visual data data, we offer services in critical areas such as:

- Aerial Visualisation
- Remote Construction Monitoring
- Construction Photography and Documentation
- Site/Project Video Production
- 3D Scanning for AEC

Each of these fundamental services in our visual data visualisation covers the most comprehensive range of industryspecific solutions that have a direct and beneficial impact on your project planning.

We will bridge the gap between your project visualisation and data needs by utilising the most technologically advanced technologies available.







# **AERIAL VISUALISATION**

Unlike traditional DaaS providers, this process begins with client consultation and continues using recorded data throughout the project lifespan. It can carry out a number of various tasks with our UAVs:

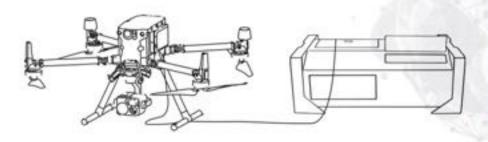
- Site Scheduling & Progress Monitoring
- · Aerial site surveys
- · Measuring Volume and Tracking Equipment
- QC/QA Inspection
- · Geospatial / Site Mapping
- Developing Magnificent Marketing Deliverables





#### **Target customer**

These specialised UAV aerial mapping and photogrammetry techniques are applicable in a number of contexts and organisations.





# PHOTOGRAMMETRY

Drone scanning and photogrammetry have never been quicker with qualified drone pilots. A professional drone examines and captures thousands of high-resolution, data-driven images of a space of any size in order to collect this information. Design professionals can see a place from many various angles because to the images' overlap, which links the data and visuals. The photos are then combined to produce a precise and in-depth 3D map of the client's building or design space. A design expert can measure any region of the space you may imagine using these 3D models and maps. The dimensions are exceedingly precise, allowing the designer to work in the space without actually being there.

Our geospatial services covering:

- IMAGE PROCESSING
- CLASSIFICATION
- ELEVATION
- 3D MODELS
- VECTORS

#### GROUND CONTROL

The key to a successful aerial survey is to accurately reference captured imagery to ground control points (GCPs). Control points must be clearly visible in the aerial image data, and are collected for most projects unless otherwise specified.

#### FLIGHT PLAN

A dedicated project lead will collaborate with the client to determine the scope of work and ensure the project's success. Their mission is to design the most effective collection flight path.

#### DATA PROCESSING

Data processing is used to produce contour line maps, Digital Terrain Models (DTMs), map-corrected aerial imagery, and planimetric feature maps, which represent the three-dimensional shape and features of the ground on a two-dimensional surface.

#### PHOTOGRAMMETRY

Our drones, as opposed to satellites or human aircraft, are capable of taking highresolution photographs, then be converted into comprehensive 2D Orthomosaics or 3D models for further research. All acquired visual data is compatible with common CAD and GIS applications such as Agisoft, Globalmapper, and more.

Drones enable rapid topographic surveys of huge areas without the need to traverse difficult terrain. This reduces the time and risks associated with traditional mapping, which requires numerous employees to traverse treacherous terrain to acquire visual data. Due to the service's quick availability of actionable information, this allows for decisions to be made up front that have a beneficial influence on momentum.



#### DaaS - Inspection

#### INTRODUCTION

In all industries, our services enable remote visual inspections and non-destructive testing as a safe, flexible, and cost-effective alternative to traditional inspection methods.

Our goal is to use automation to completely transform visual inspections by making them safer, quicker, and more efficient.

Our specialised remote inspections solutions boost your integrity program's efficiency while lowering health and safety risks and making the most use of your resources.

#### IMPLEMENTATION

Thermal and optical inspections using our UAV are now being implemented for on- and offshore applications.

- · Inspections of flare tips
- · Inspections of chimneys
- · Inspections of structures
- Poles for overhead electricity lines
- · Bridges and dams
- · Wind turbines
- FPSOs

#### TURN KEY RESULT

Turnkey data solutions are offered; regular inspections and geo-tagged visual data storage enable insights and trends on degeneration materials. Current client ERP connectivity visual identification of material deterioration.

# CONSTRUCTION TIMELAPSE

Using cutting-edge technology and a high-resolution construction system and camera that is installed at the job site, construction monitoring is capable of capturing images at regular intervals, record time-lapse videos, document visual data, and preserve it.

The advancement feature of the system is that it can be customised to work with an existing CCTV system, with the ability to remotely monitor multiple construction



These specialised construction monitoring approaches can be applied in a wide range of situations across a variety of industries, including project progression contexts that are retrospective or archival as well as those that require effective and efficient monitoring.















# REMOTE CONSTRUCTION MONITORING

### Monitoring-as-a-Service

#### Key metrics

- Establish a platform for companies to track key construction milestones and the overall construction progress.
- This monitoring focus points should be prioritised in providing good visual information on the work performed, particularly during foundation casting, as well as an overview of the project's progression for all stakeholders.
- The implementation of the system must be effective in meeting the objectives, including the financial objectives, and provide corporation with resultoriented solutions.

#### **Value Proposition**

- Utilising the currently available CCTV model in the market in order to cut down on deployment and operational costs for new deployment requirements
- Visual data's accessible through cloud including "live-feed"
- Simple deployment at project site
- Support for regional operations and maintenance in its entirety in Malaysia & Singapore

#### **Value Creation**

- Unlimited user accessible through out corporate organisation
- Massive features integrated for smart and efficient monitoring
- · 100% High Security Cloud Data
- · Clarity in the feasibility of remote monitoring
- · Unrestricted / un-complex hardware for user interaction
- Integration with Project Planning Software

#### Value Chain

- Affordable cost structure deployment & operational
- · Reduction time in accessing informations
- Subscription base charges
- Empowerment a monitoring instrument.



# CONSTRUCTION PHOTOGRAPHY & DOCUMENTATION

With professional construction photographers who are adept at navigating construction sites, we can provide our clients with high-quality photographs without interfering with their work. All of the photos of your project are available in a level of detail that is good enough for inspection, and they are organised by place and date based on your project plans.

Performed on a regular basis to document the progress of exterior and interior construction from start to finish to update the visual record with regular interior and exterior progress photographs taken from expansive angles throughout the duration of construction.

#### Target customer

The target audience for this service includes public and private organisations, construction work developers, project management firms, architectural practises, engineering firms, etc. who want to have accurate visual records of their projects.







#### VISUAL ASSET ACQUISITION

High definition, quality photography ensures that every detail of your project is captured to reduce project risk, improve status reporting, and to provide reference for worker training.

## CONSTRUCTION PHOTOGRAPHY DOCUMENTATION

We provide a chronological set of photographs that captures important milestones, events, progress, and job completion to form a visual documentation of work performed.

#### ON-DEMAND PHOTOGRAPHY

Capture current site conditions, using a variety of aerial and traditional photography. Get site details of adjoining property and locations. Capture contractor installations and construction progress.

Fully documented interiors and exteriors at key milestones throughout the construction process.

#### MONTHLY PROGRESS PHOTOGRAPHY

View all the details of the project as it happens. Our standard operating procedures create photography that satisfy the requirements of monthly claims.



# SITE / PROJECT VIDEO PRODUCTION



Our video documentation service is made to use high-quality videography to document large-scale production projects from beginning to end. We can capture entire projects or offer video recording services at predetermined times. To communicate with stakeholders, building managers, and other administrative teams, we link these videos to the project plans.

Therefore, Sivdio Imaging is in line with ensuring possible ways that visual data can be used to reduce project risks, improve internal and external status reporting, bids and proposals, workers' training and jobsite orientations, including marketing.

#### FULL ON-SITE VIDEO DOCUMENTATION

We record video footage on-site that fully documents your project from start to finish. An experienced videographer captures all the key details and milestones of the project. After the project has been fully recorded, it will be edited into a presentable finished product that showcases the complete work from start to finish.











# **3D SCANNING FOR AEC**



#### KEY FACTORS

The scanning technology can create a virtual walkthrough of your site that allows multiple stakeholders to view remotely. Using sophisticated VR technology, our virtual tours provide complete documentation that can be shared across multiple engineering groups.

Automate the construction process by 3D construction walkthroughs allow multiple stakeholders to "walk" through their construction sites remotely. Utilising sophisticated reality-capture technology, our virtual tours provide complete documentation.

#### KEY CUSTOMER BENEFITS

- OA/QC, inspection and monitoring
- Validation of as-built conditions
- Capturing hard-to-visualise spaces

Project marketing



#### TARGET CUSTOMERS

A variety of companies may profit from the use of site laser scanning with the goal of building virtual reality environments using the data sets gathered. Numerous locations can be laser scanned for virtual realms, from tough crowded places to sparse layouts, tank interiors, and prospective equipment sites. This speeds up the data collecting and analysis process and offers extra benefits to stakeholders in terms of quality and effectiveness.

Streamlining visual documentation as speeding up as-build design and make ease in collaboration with stakeholders. Using available technology, we're able to create immersive walkthroughs of existing conditions that can be annotated, edited and shared across engineering groups.

# MULTITUDE FROM OUR SOLUTIONS







#### Urban planning and construction

- Site analysis planning & design
- Construction management
- Mapping
- Post-construction survey
- Construction hazard management assessment
- · Specification visual validation
- Change orders visual documentation
- Digital photographic documentation record
- · Supplement to as-build drawing
- · Digital progress record
- Dilapidation survey
- Facility management information repository
- Marketing

#### Urban planning and construction

- Construction progression management
- Structural analysis
- · Specification visual validation
- Change orders visual documentation
- Digital photographic documentation record
- Supplement to as-build drawing
- · Inspection structural analysis
- Digital progress record
- · Periodic maintenance schedule
- Supplement to as-build drawing
- · O&M supporting materials
- Marketing

#### Infrastructure construction

- Site analysis planning & design
- Construction progression management
- Mapping
- · Inspection structural analysis
- Exploration
- · Specification visual validation
- Change orders visual documentation
- Digital photographic documentation record
- Post-disaster management

#### Water utilities intrastructure

- Exploration
- · Structural analysis
- Environmental impact assessment and compliance
- · Post-disaster management
- · Supplement to as-build drawing
- Digital progress record

#### Renewable energy infrastructure

- Exploration
- Structural analysis
- Environmental impact assessment and compliance
- · Post-disaster management
- · Supplement to as-build drawing
- · Digital progress record

#### Transportation infrastructure

- Construction progression management
- · Structural analysis
- Inspection structural analysis
- Digital progress record
- Cadastral mapping and modelling
- Erosion and landscaping analysis & modelling
- Asset management
- Maintenance and work order management
- Infrastructure maintenance management
- · Transportation safety analysis
- Environment analysis
- · Digital progress record

#### Hydro dam Intrastructure

- Site analysis planning & design
- Construction progression management
- · Structural analysis
- · Site analysis planning & design
- Inspection structural analysis
- · Periodic maintenance schedule
- · Supplement to as-build drawing
- · O&M supporting materials
- · Digital progress record

#### **FLAGSHIP SOLUTIONS BY SIVDIO**



AtapScan is a service brand designed by Sivdio Imaging, offering safe and efficient drone-based inspections of roofs, facades, windows, and structural elements. Replacing traditional, high-risk methods, it utilizes high-resolution cameras and thermal sensors to capture comprehensive data without manual access.

Clients receive detailed reports on roof condition, insulation, structural health, and maintenance needs—enabling proactive decision-making and long-term asset protection.



Aspect	Traditional inspection	Rope Access Team	Drone Inspection (AtapScan)	Savings/Benefits
Inspection Cost	RM 15,000 - RM 30,000	RM 8,000 - RM 15,000	RM 1,500 - RM 7,000	Drones provide 50-80% cost savings vs. traditional, 30-60% vs. rope access
Inspection Time	1-2 weeks	1 week	1-2 days	Drones are 90% faster than traditional, 70% faster than rope access
Safety Risks	High (scatfolding, cranes)	Moderate-High (harness and height risk)	Low (minimal personnel at height)	Drones significantly reduce safety risks
Data Quality	Limited (visual checks only)	Moderate (manual inspection visuals only)	High (high-res and thermal imaging)	Drones provide detailed insights, especially with thermal imaging
Decision-Making Impact	Limited proactive maintenance	Moderate; some early detection possible	High; enables proactive, early detection	Drones support proactive decisions and cost savings through better data

# INTELLIGENT IMAGING TECHNOLOGIES

# Tethered Drone System

#### LEVERAGING TETHERED DRONE TECHNOLOGY

Sivdio's Tethered Drone Program offers a next-generation aerial surveillance solution built for high-risk, high-value environments. Leveraging Elistair's Safe-T 2 and Khronos DroneBox systems, the program delivers persistent, high-altitude monitoring with minimal manpower and 24/7 operational capability.

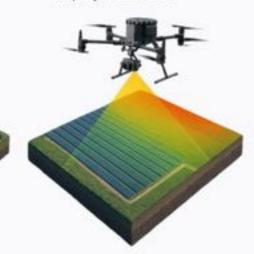
Unlike static CCTV and conventional patrols, tethered drones provide unlimited power, secure data transfer, and automated deployment, enabling wide-area coverage and real-time situational awareness. The Safe-T 2 supports altitudes up to 90 meters and integrates with existing VMS platforms. Khronos adds full automation, Al-powered object tracking, and rugged mobility, ideal for dynamic security needs.

Engineered for critical infrastructure, border zones, and large industrial sites, Sivdio's solution reduces long-term costs and boosts operational efficiency—proven to outperform traditional systems in multi-year deployments.



PROGRAMMATIC EXCELLENCE IN VISUAL INTELLIGENCE





Nexaris is an Al-powered solar inspection and diagnostics platform by Sivdio Imaging. It combines aerial imaging, thermal scans, and data intelligence to help solar asset owners detect faults early, reduce downtime, and improve system performance.

#### **Core Services**

- . Thermal Drone Inspection Detect hotspots, string failures, and module issues
- . Orthomosaic Mapping Accurate site visuals for planning and validation
- · Al Fault Detection Rapid, automated image analysis
- . Digital Twin Records Visual site history across inspections
- . Compliance Reporting Reports aligned with SEDA, TNB, and investor needs

#### Who We Serve

NEM, LSS & FiT solar projects — from utility-scale farms to commercial rooftops and floating PVs.

#### Why Nexaris

We turn field data into fast, actionable insights — cutting revenue loss, streamlining O&M, and boosting solar ROI.



## ADVANCED VISUAL SYSTEMS

#### SPECIALIZED SURVEILLANCE ARCHITECTURE FOR INFRASTRUCTURE-SCALE OPERATIONS



CONSTRUCTION SITE



POWER SUBSTATIONS



OFFSHORE OIL PLATFORM



INDUSTRIAL FACILITIES

The Sivdio Surveillance System is a purpose-engineered, high-resilience monitoring framework tailored for complex infrastructure environments—far exceeding the capabilities of conventional commercial CCTV systems. Designed for large-scale deployments such as rail corridors, solar farms, industrial estates, and utility zones, Sivdio integrates Al-augmented analytics, fiber-based network topologies, and tiered command integration into a unified operational ecosystem.

#### Key Technical Differentiators:

#### · Hybrid AI + Fixed-Timelapse Architecture

 Integrates real-time CCTV surveillance with long-duration timelapse capture for forensic validation, construction progression, and compliance records—uniquely supporting both live intervention and retrospective analysis.

#### Tiered Command & Access Framework

 Supports hierarchical roles across Central Command Centres (CCC), Regional Command Centres (RCC), and Site Nodes—allowing differentiated access for project owners, asset managers, and security teams with audit trail logging.

#### Dedicated High-Risk Perimeter Protocols

 Optimized for sensitive zones using strategic PTZ deployments, FOIDS (Fiber Optic Intrusion Detection System) compatibility, and advanced motion-zone mapping with adaptive IR sensitivity control.

#### NVR + Edge Redundancy Strategy

 Each deployment node features dual-drive NVR systems (typically 2×10TB configuration) with edge buffering and auto-sync to reduce packet loss during transmission disruptions or power fluctuations.

#### · Structured Cable Backbone (Non-Wireless Priority)

 Prioritizes wired infrastructure (Cat6A/FO cabling) for stability in high-interference zones and ensures low-latency response times critical to real-time alerting and night-mode accuracy.

#### · Night Operations-Ready Imaging Stack

 Cameras equipped with 100m+ infrared range, adaptive low-light tuning, and environmental compensation algorithms to operate effectively in remote, unlit zones.

#### Surveillance-as-a-System (SaaS) Integration Ready

 Designed for plug-in compatibility with incident ticketing, SCADA overlays, and AI dashboards, enabling centralized digital twin environments for integrated asset protection.







# **THANK YOU**

We are grateful for the trust and confidence you have shown in our business. We are driven by a genuine desire to deliver products and services that meet our customers' needs. Your satisfaction is our top priority, and we will never take our business for granted. We will do everything we can to ensure a positive experience working with us.

#### Address

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