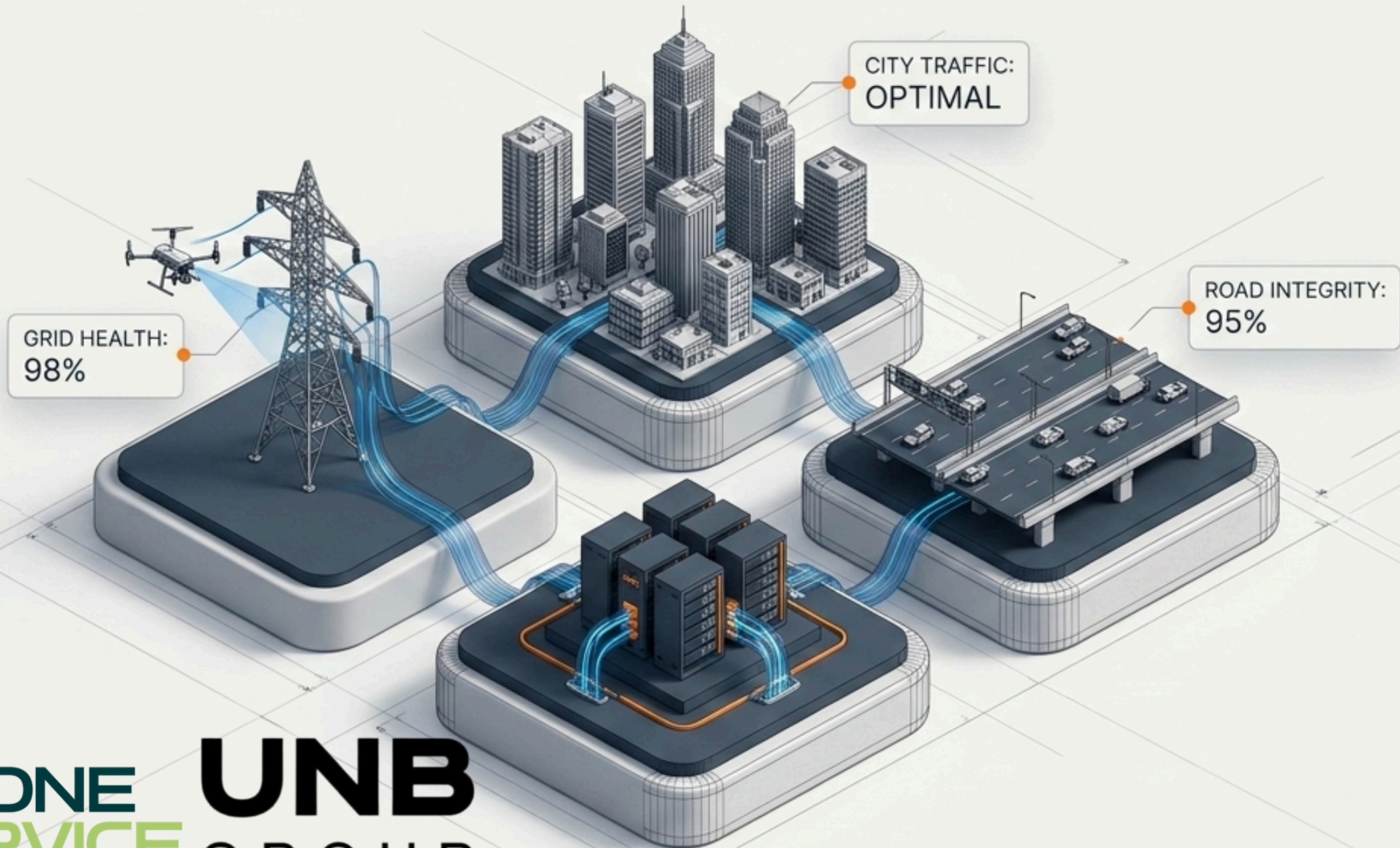


Intelligent Infrastructure Monitoring Platform

Drones + AI + digital models + operations automation

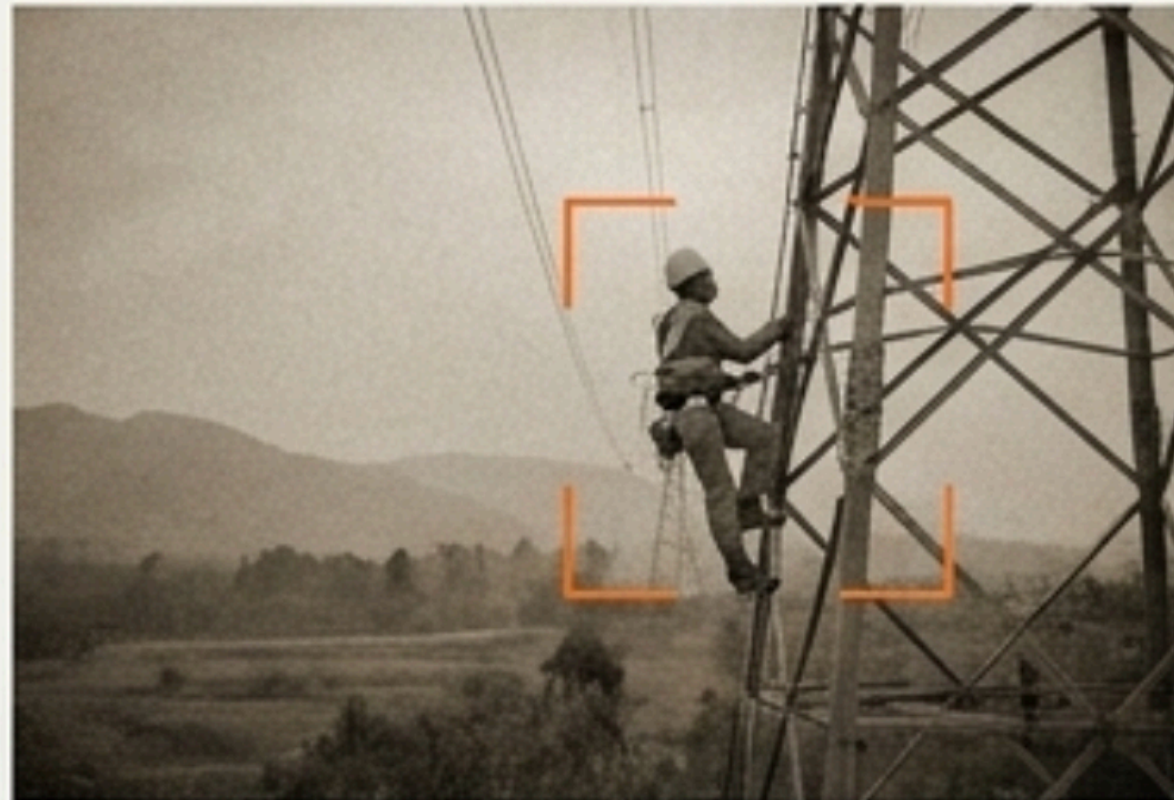


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Transition from manual inspection to digital management

Traditional approach

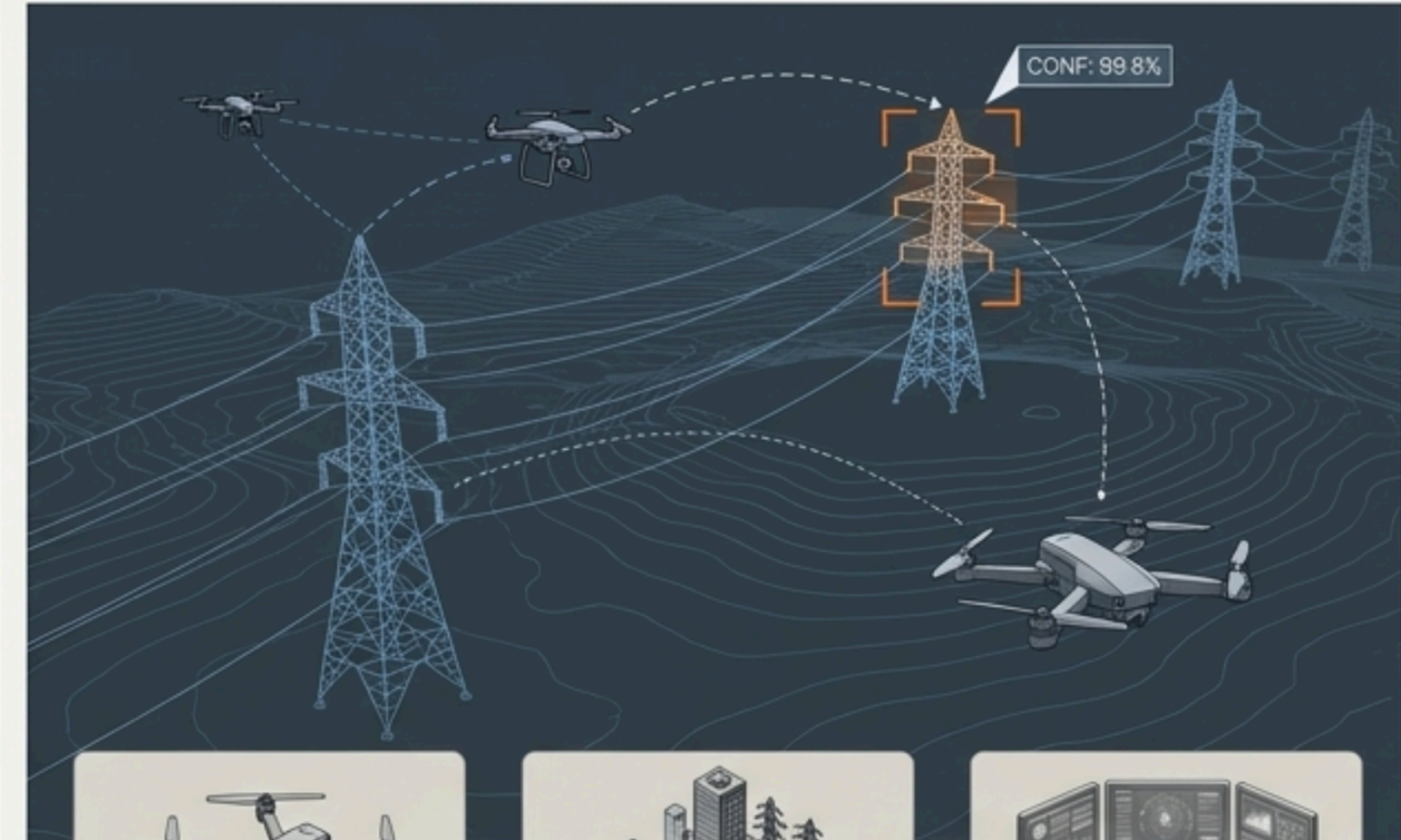


Expensive and slow inspections

High human error rate

Blind spots

Unified platform



Autonomous drones:
Automated flights and infrastructure scanning using AI.



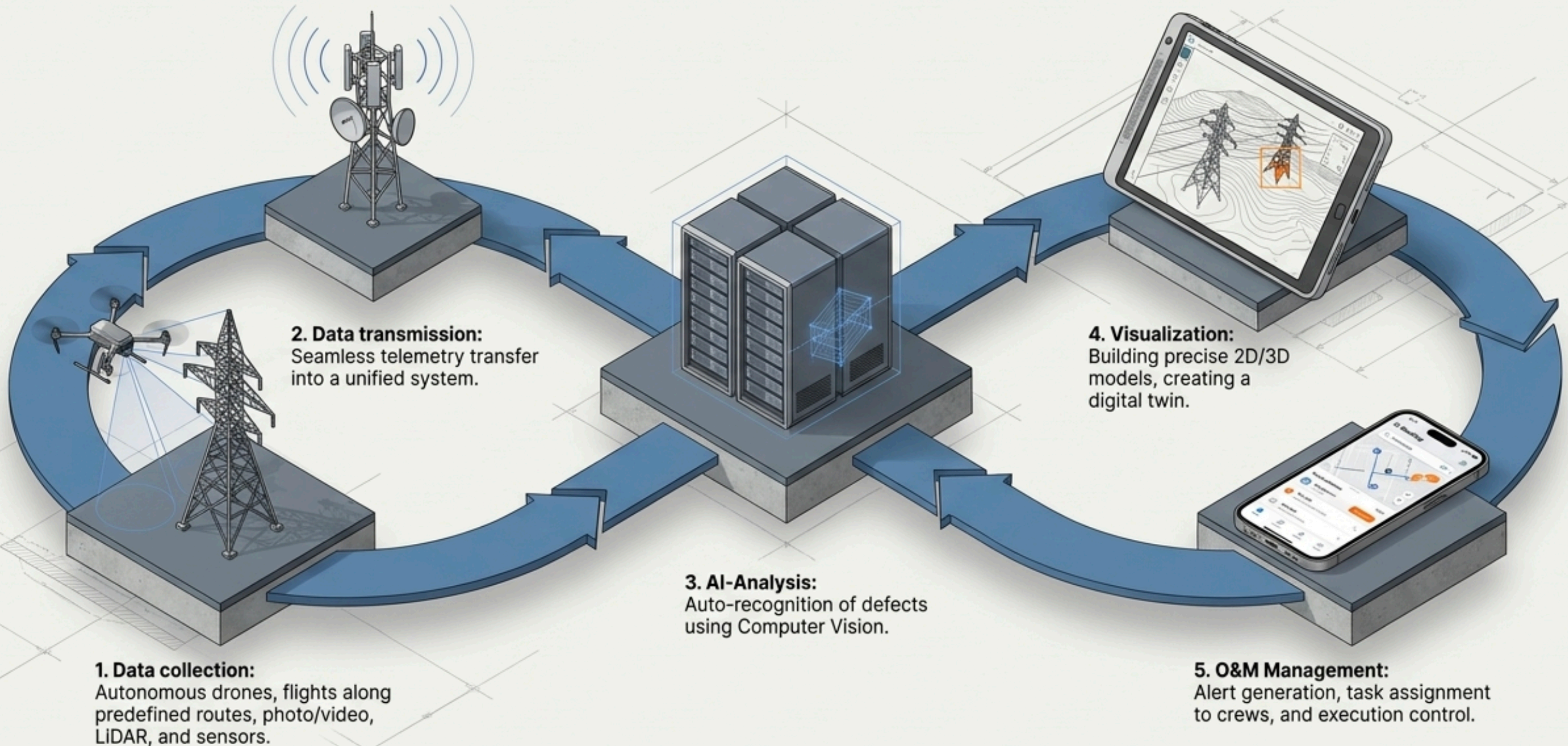
2D/3D visualization:
Creation of detailed digital twins for analysis.

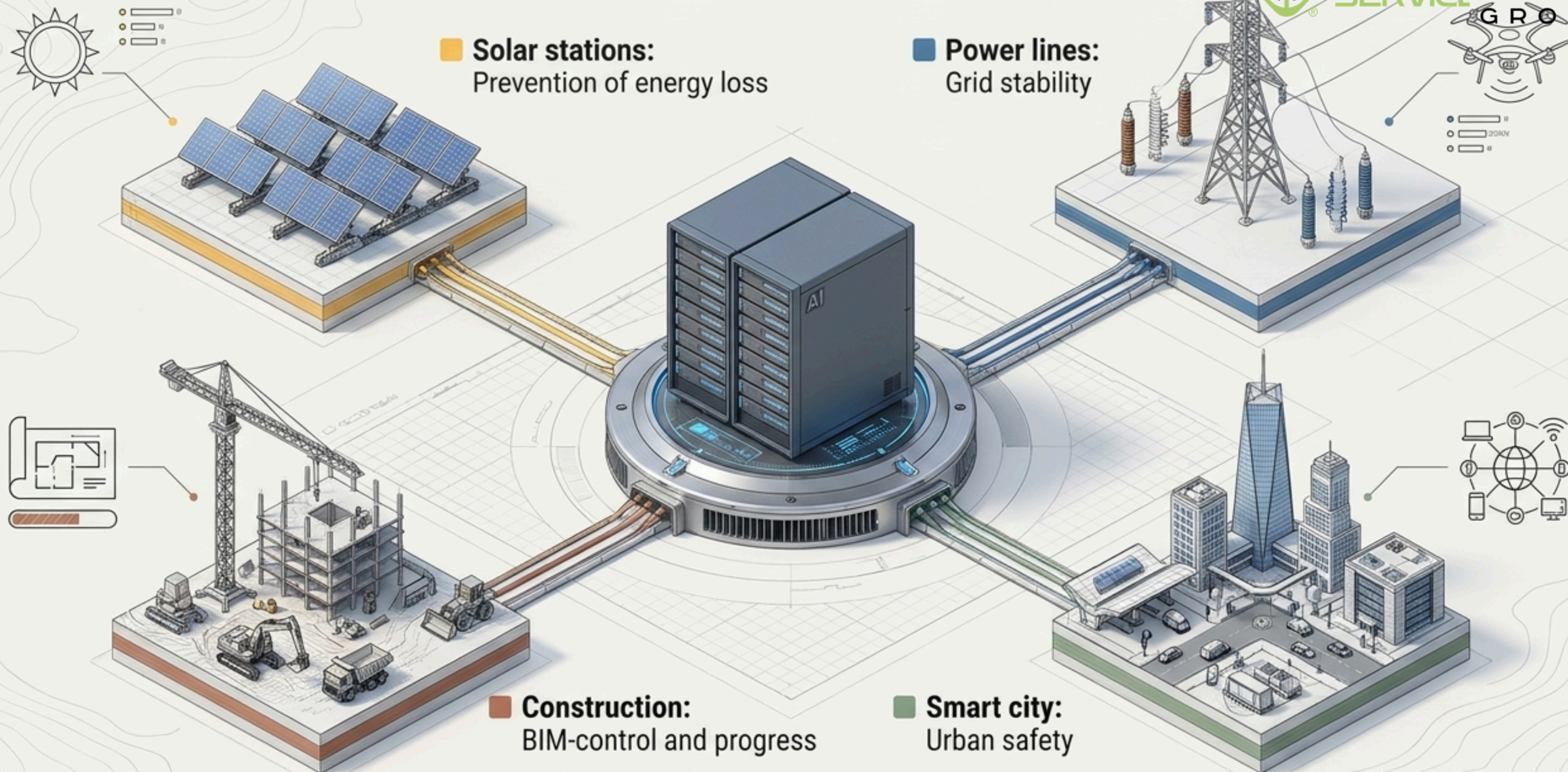


Unified control center:
Centralized data management and real-time decision making.

Platform architecture: From data collection to defect elimination

Closed-loop control. Everything in a single digital perimeter.





Universal scaling: ↓ costs. ↑ inspection speed. ↑ safety. ↓ human impact.

AI inspection of solar stations



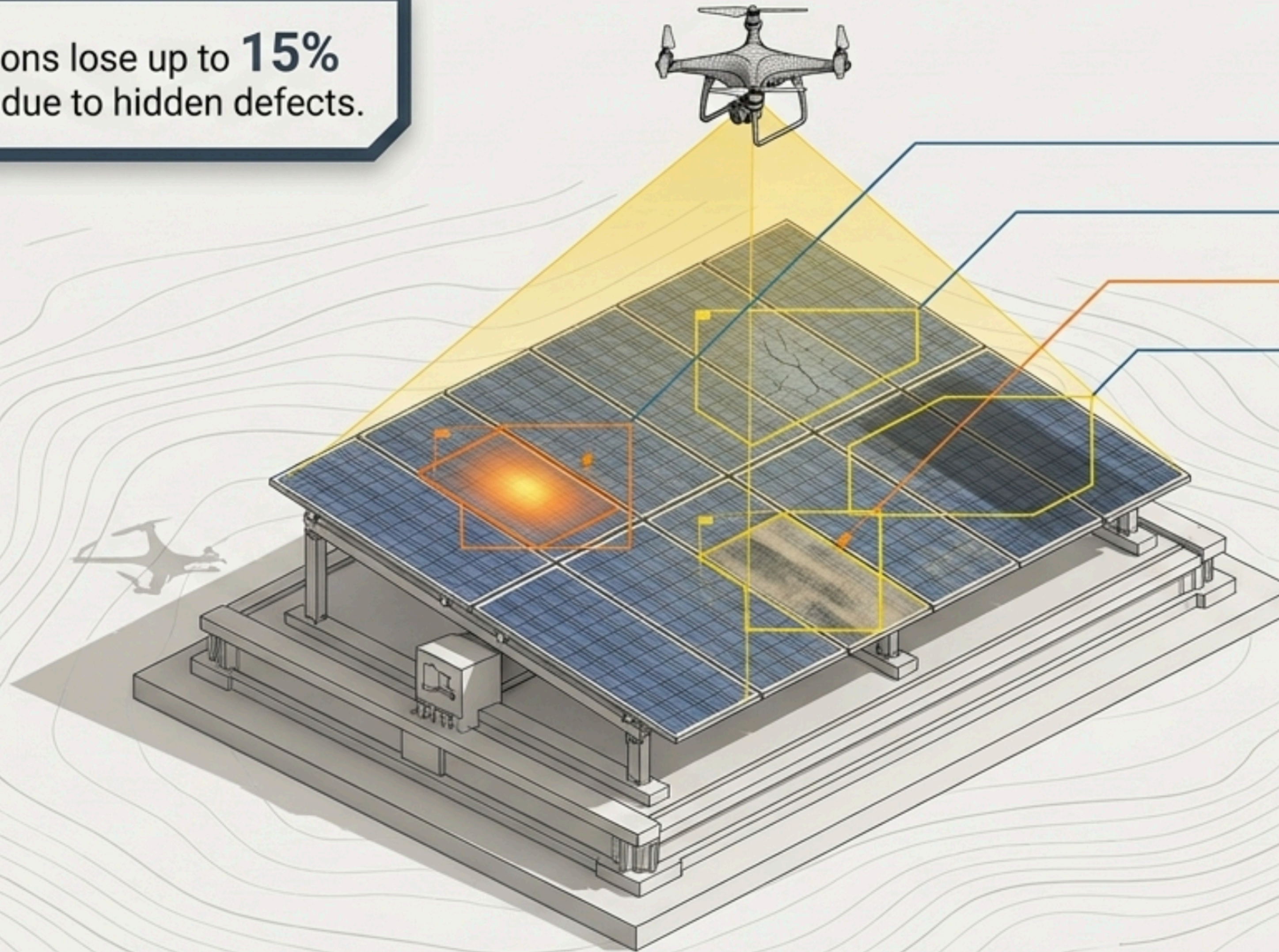
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60% of stations lose up to **15%** of generation due to hidden defects.

Automatic detection:

1. Hot spots (overheating)
2. Microcracks
3. Soiling / Sand accumulation
4. Shading



↑ energy output

↓ generation losses

↓ O&M costs

Intelligent inspection of Power Lines

AI models ensure recognition accuracy up to 90%+.



Insulator defects



Metal corrosion



Wire breaks



Dangerous vegetation



↓ accident rate | ↑ grid stability | ↓ downtime

Digital twin of the city

Eliminating blind spots and unifying
siloes data.



**Ecology and
unauthorized
garbage**





**Traffic
anomalies**





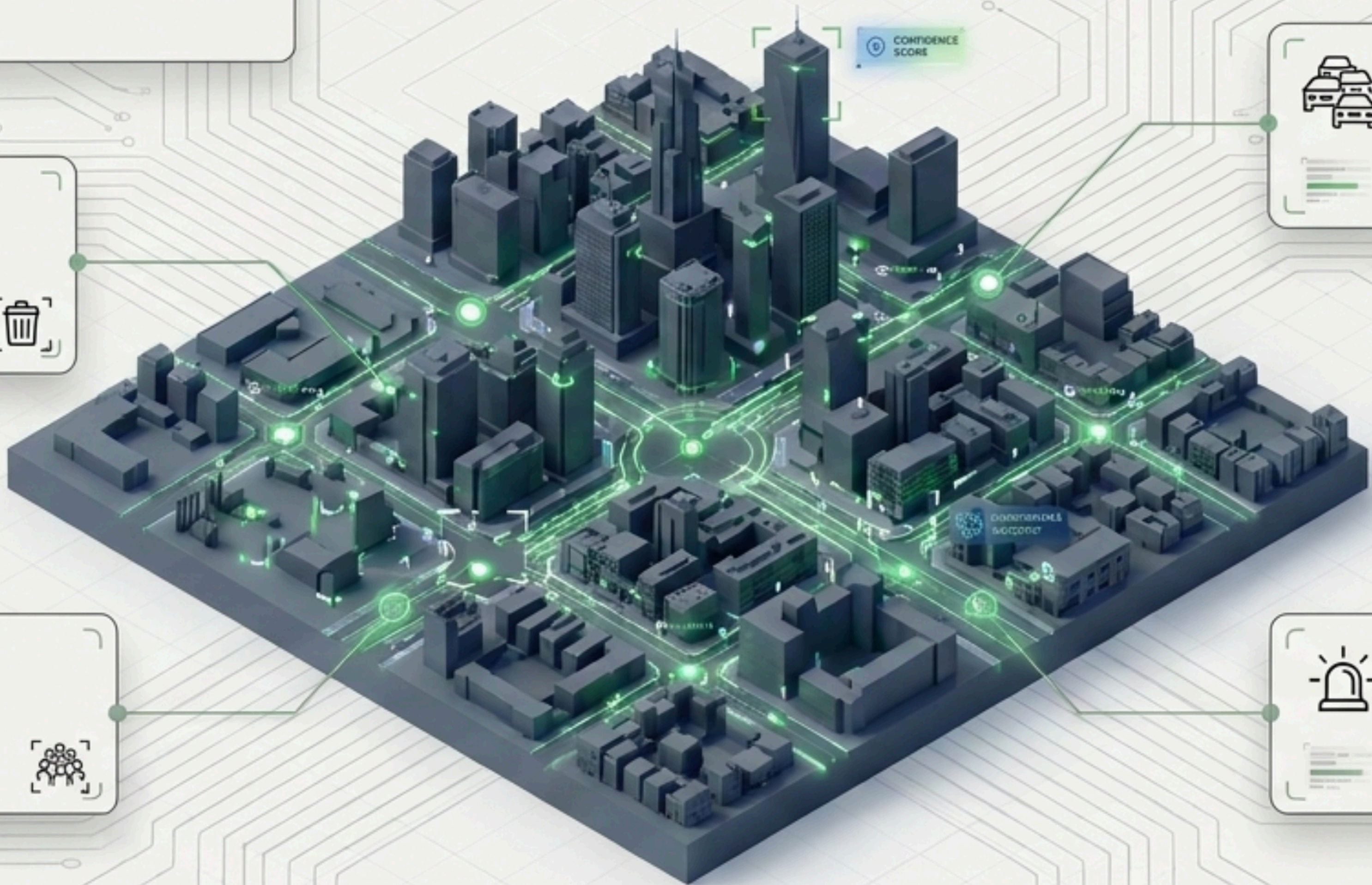
**Crowd
gathering**





Emergencies





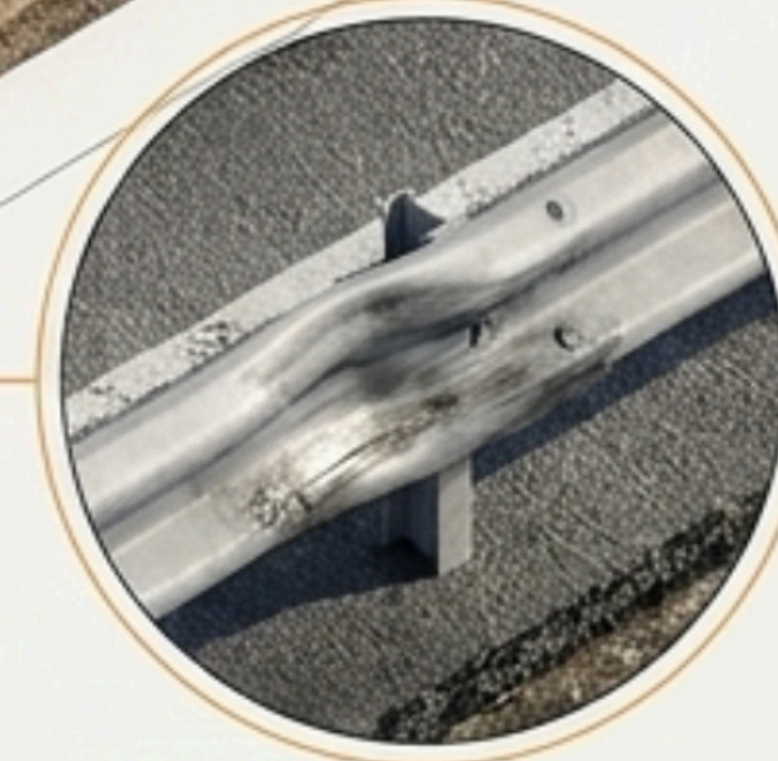
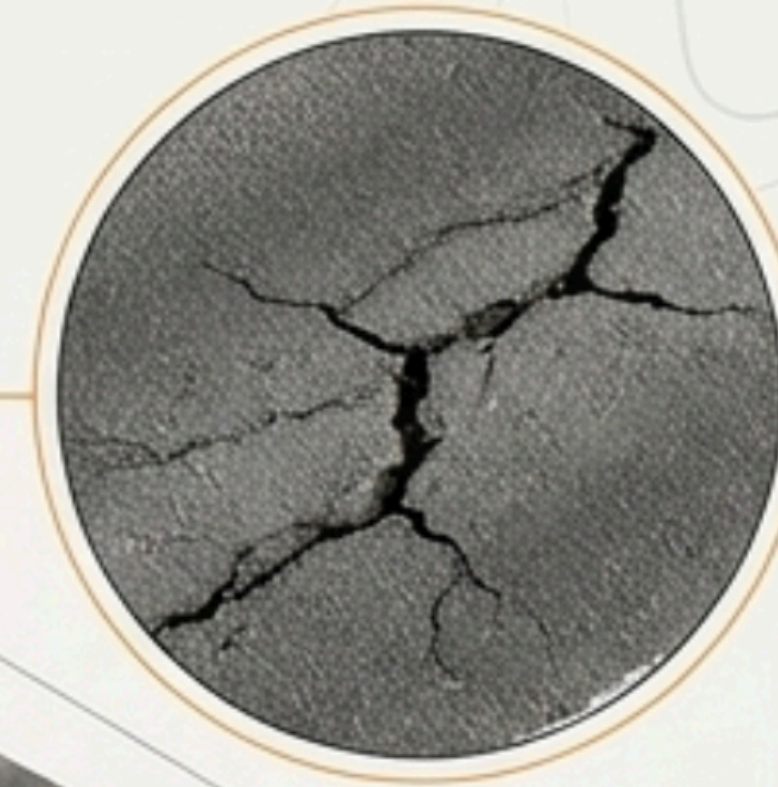
AI analytics of the road network

Transition from slow manual checks to interactive defect maps.



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Pits and potholes



Surface cracks



Road marking wear



Barrier damage

↓ accident rate | ↑ repair speed | ↓ costs

Intelligent autopilot system for agricultural machinery

The NX610 is an automated machinery control system for precision farming. It reduces the impact of the human factor and maximizes the efficiency of field operations.



Accuracy up to ± 2.5 cm:
Minimizing overlaps and skips.



Universal Speed:
Stable operation from 0.1 to 30 km/h.



Versatility:
Compatible with tractors, sprayers, and seeders.



Smart Navigation:
Intelligent routing for any field topology.

👉 **The NX610 transforms standard machinery into a smart, autonomous field processing system**



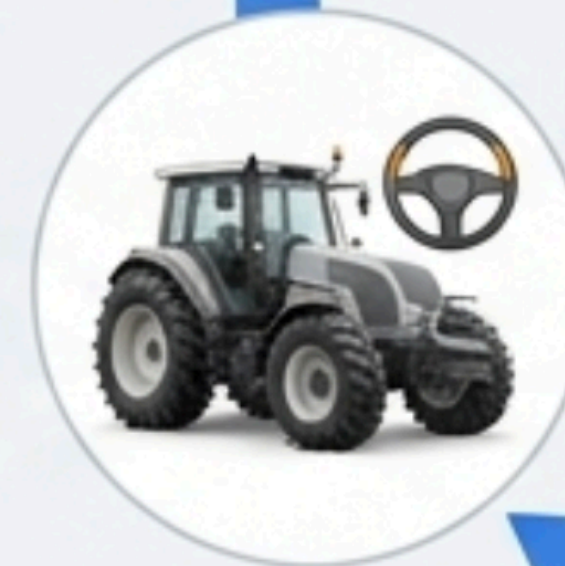
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Unified Smart Farming Ecosystem

A comprehensive solution for agricultural digitalization: integrating drone services with ground machinery.

Earth [NX610 Autopilot]
Precise execution of work
and ground machinery
automation.



Air [Drones]
Treatment, monitoring, and
analysis of field conditions.



Center [Digital Platform]
Unified management, control
and data analytics.



Cost Reduction

Saving fuel, fertilizers,
and working hours.



Yield Growth

Achieved through the
precise application of
materials.



Time Optimization

Reducing execution time
across all agricultural
operations.



Absolute Accuracy

Eliminating the human
factor at every
operational stage.



**As a result, the client receives a fully
automated, centrally managed farm**

Automated UAV Delivery System

Intelligent platform for autonomous logistics and drone fleet management



Automation

Fully autonomous takeoff and landing. 24/7 operation via Drone Dock without pilot participation.



Integration

Seamless integration with enterprise ERP systems (Digital Logistics).



Flight Management

Mission Planning based on AI Dispatch. Automatic construction of optimal routes beyond visual line of sight (BVLOS).



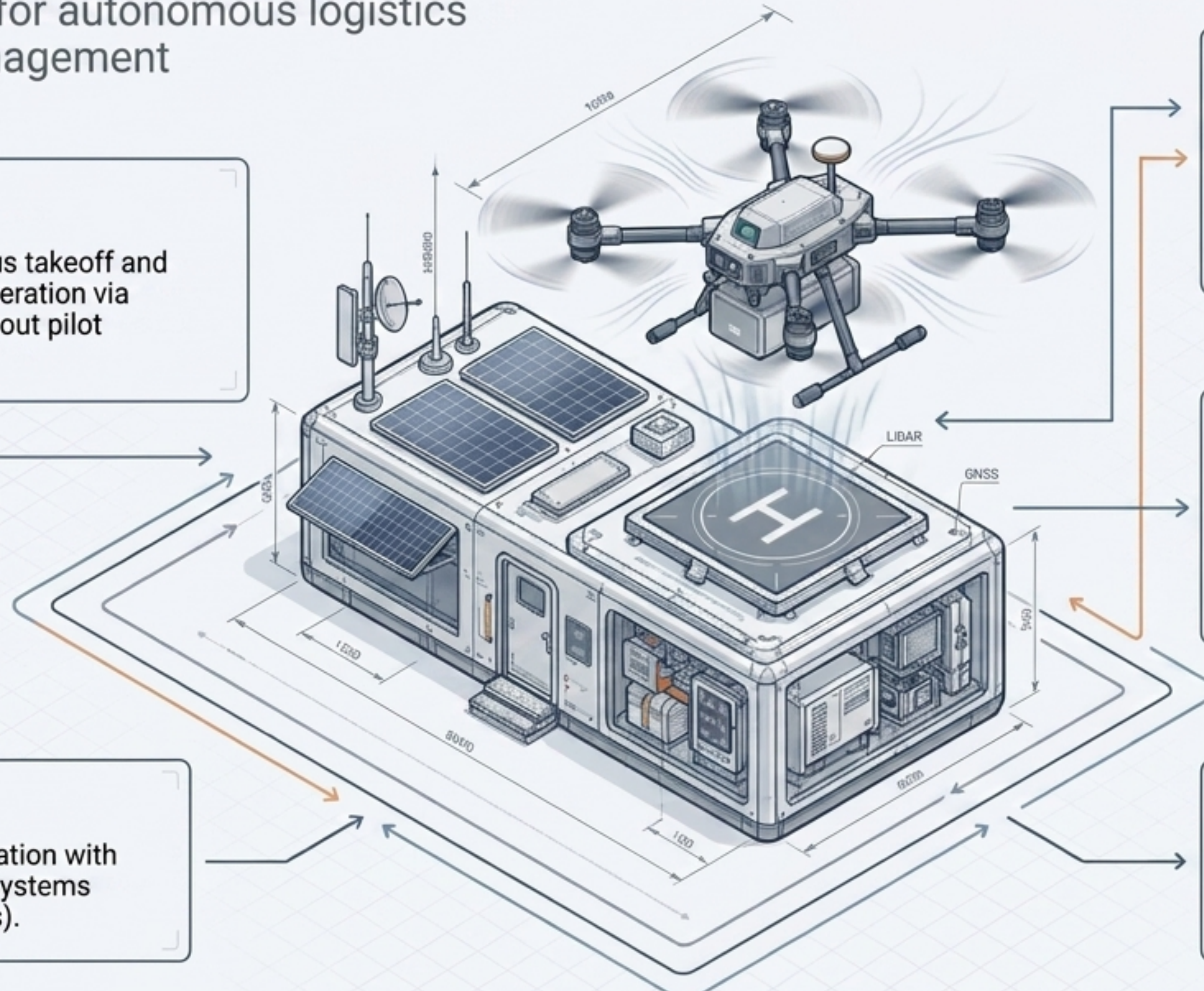
Control

Centralized Fleet Management. Continuous data collection, Telemetry and Remote Monitoring in real time.



Navigation

High-precision positioning via GNSS and RTK modules.



Last-Mile Goods Delivery

Urban logistics without the impact of road traffic

Application Scenarios



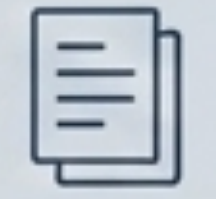
Ready food delivery



Grocery delivery



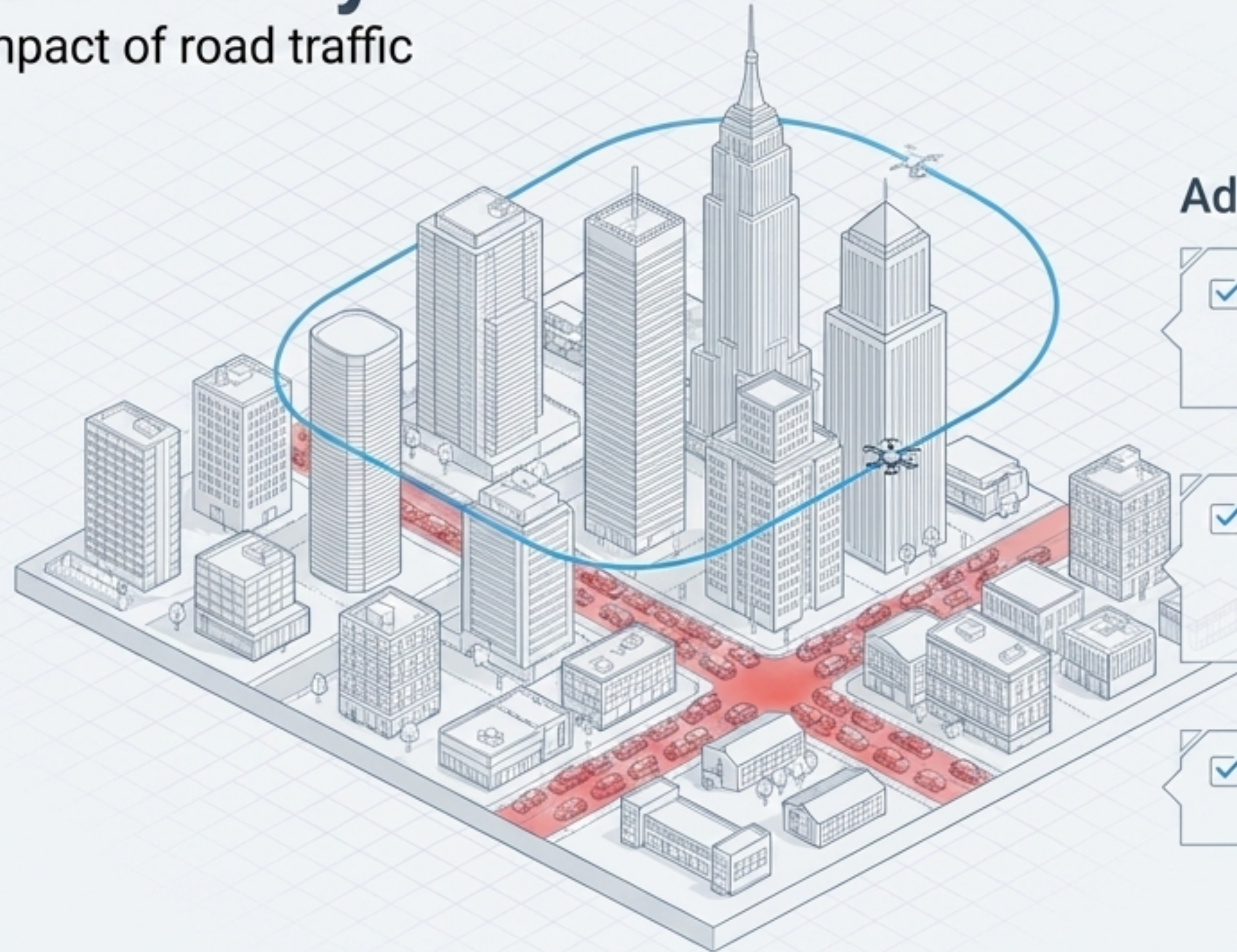
E-commerce delivery



Document delivery



Express delivery of small cargo



Advantages

✓ Reduced time (delivery in a straight line) and zero impact from traffic jams

✓ Automatic mission execution (Autonomous Flight) on schedule

✓ High speed of customer service



Order



Processing Center



UAV + Route Planning

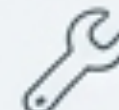
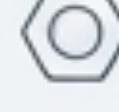


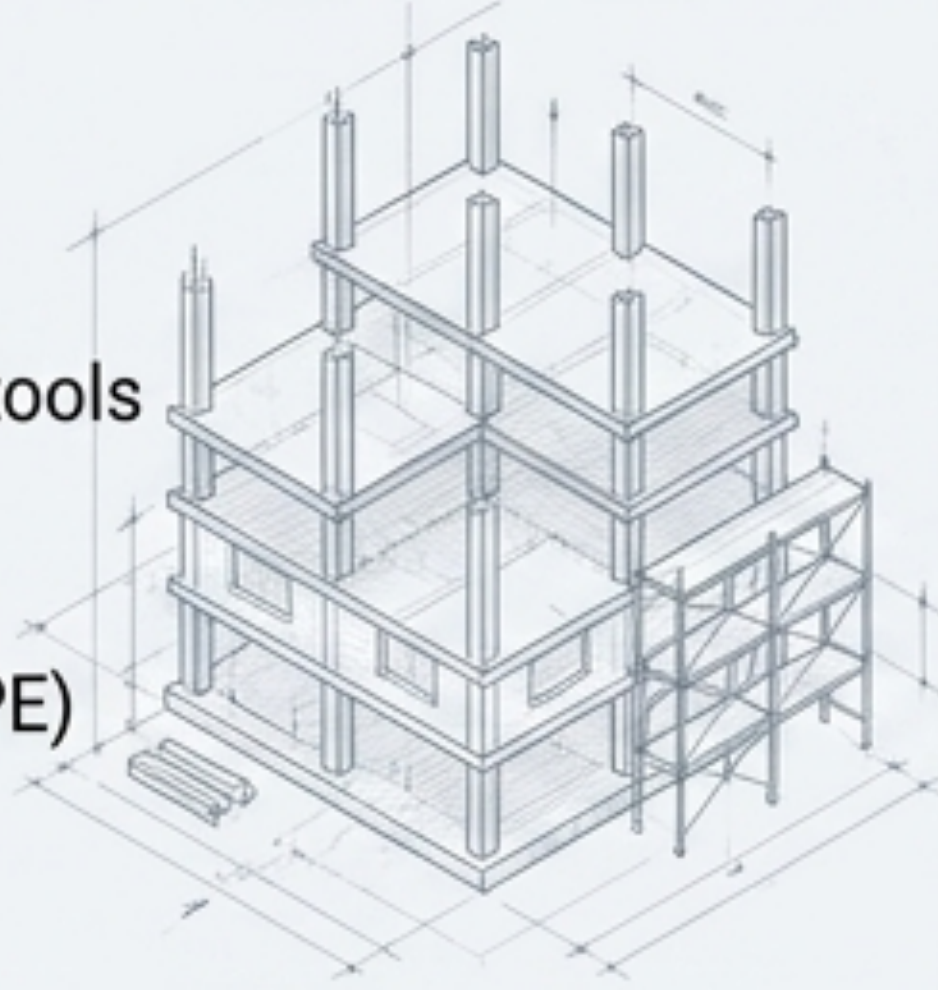
Client

Industrial and Specialized Delivery

Payload Management integration for complex and critical facilities

Construction

-  Delivery of building materials and tools
-  Equipment and components
-  Personal protective equipment (PPE)
-  Spare parts

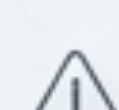


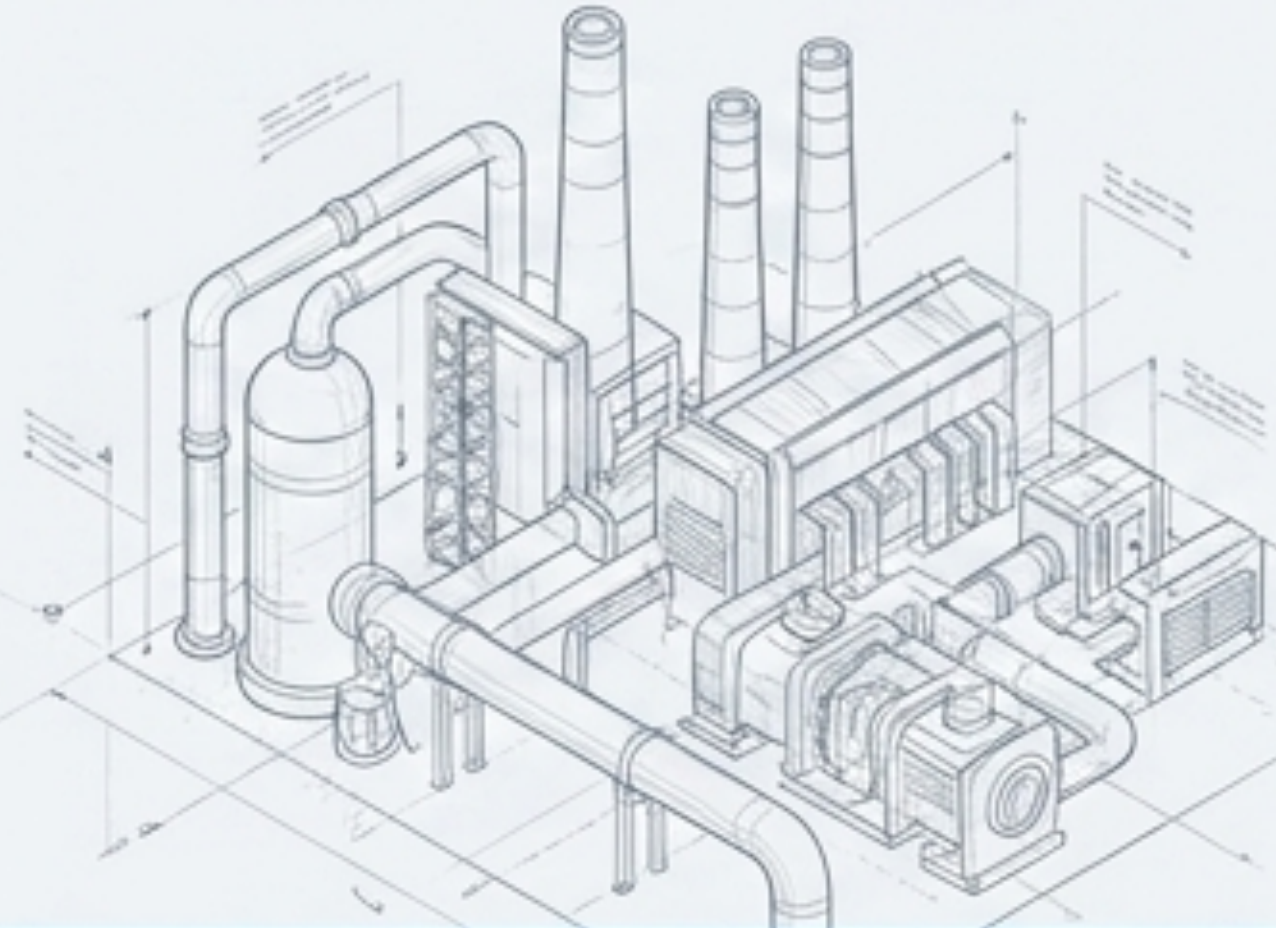
Healthcare

-  Medicines and blood products
-  Laboratory samples
-  Compact medical equipment

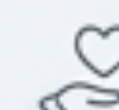


Industry

-  Technical equipment for remote sites
-  Emergency materials
-  Specialized equipment



Public Services

-  Emergency rescue equipment
-  Humanitarian cargo
-  Supply for hard-to-reach areas



Implementation Impact

Operating model transformation and scaling



↓ **60%**
Costs

Reduction of operating expenses (O&M) by eliminating ground transport and manual labor.

↑ **10x**
Speed

Acceleration of logistics chains compared to traditional delivery.

100%
Safety

Absence of risks to personnel (Safety Score: 100%).

95%+
Accuracy

Error-free mission distribution via AI Dispatch algorithms.

Single Contour: Centralized Fleet Management for the entire fleet.

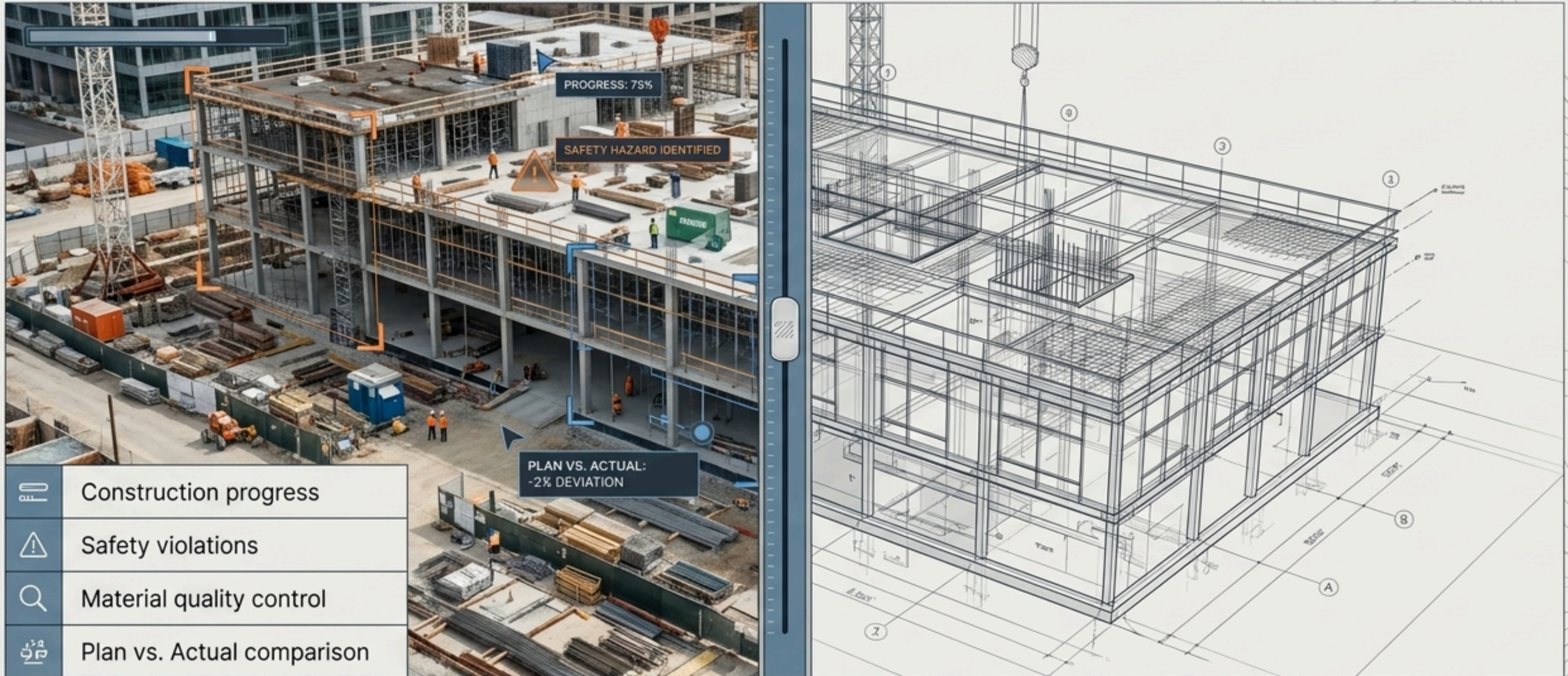
Scaling: Support for hundreds of simultaneously executed missions.

Analytics: Full flight log and Telemetry recording.

Performance: Minimal system response time.

Digital construction control

Integration with BIM/CAD to eliminate data errors and delays.

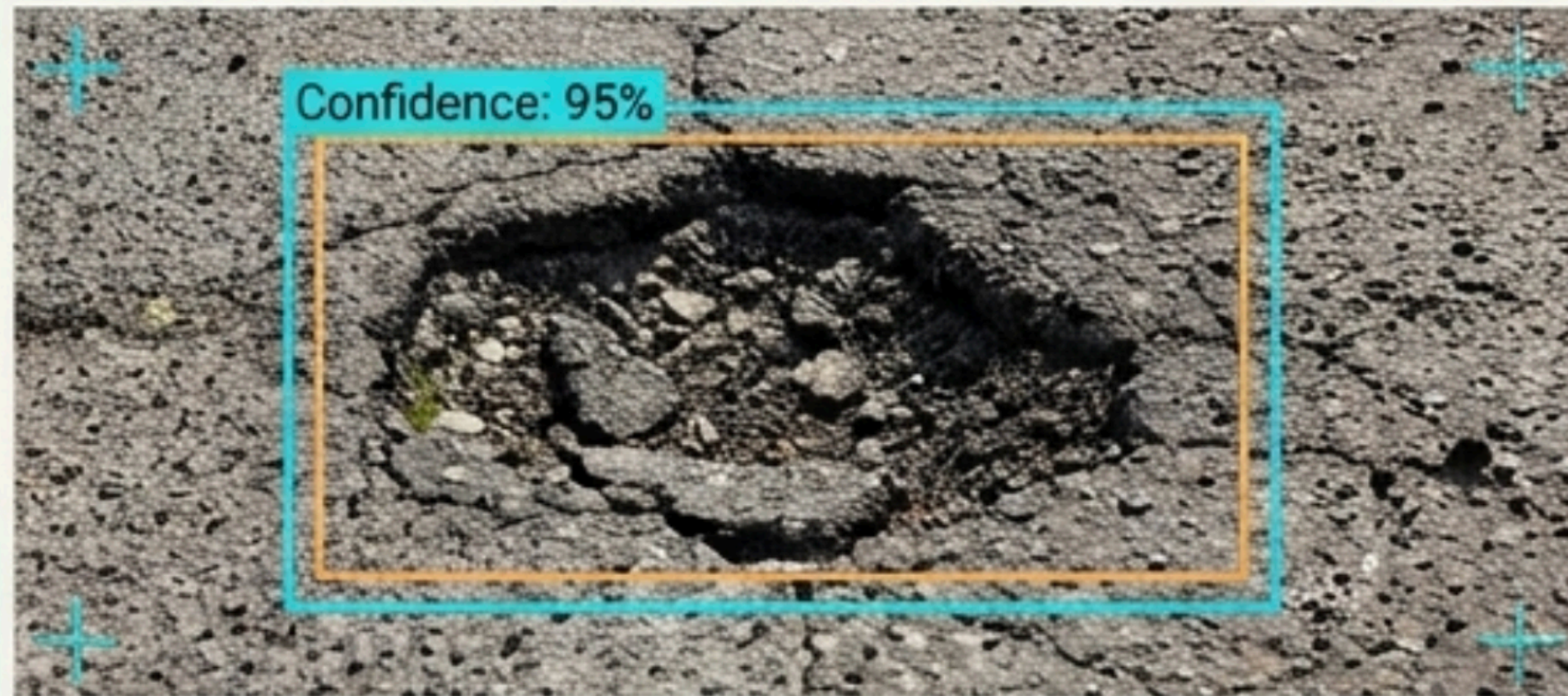
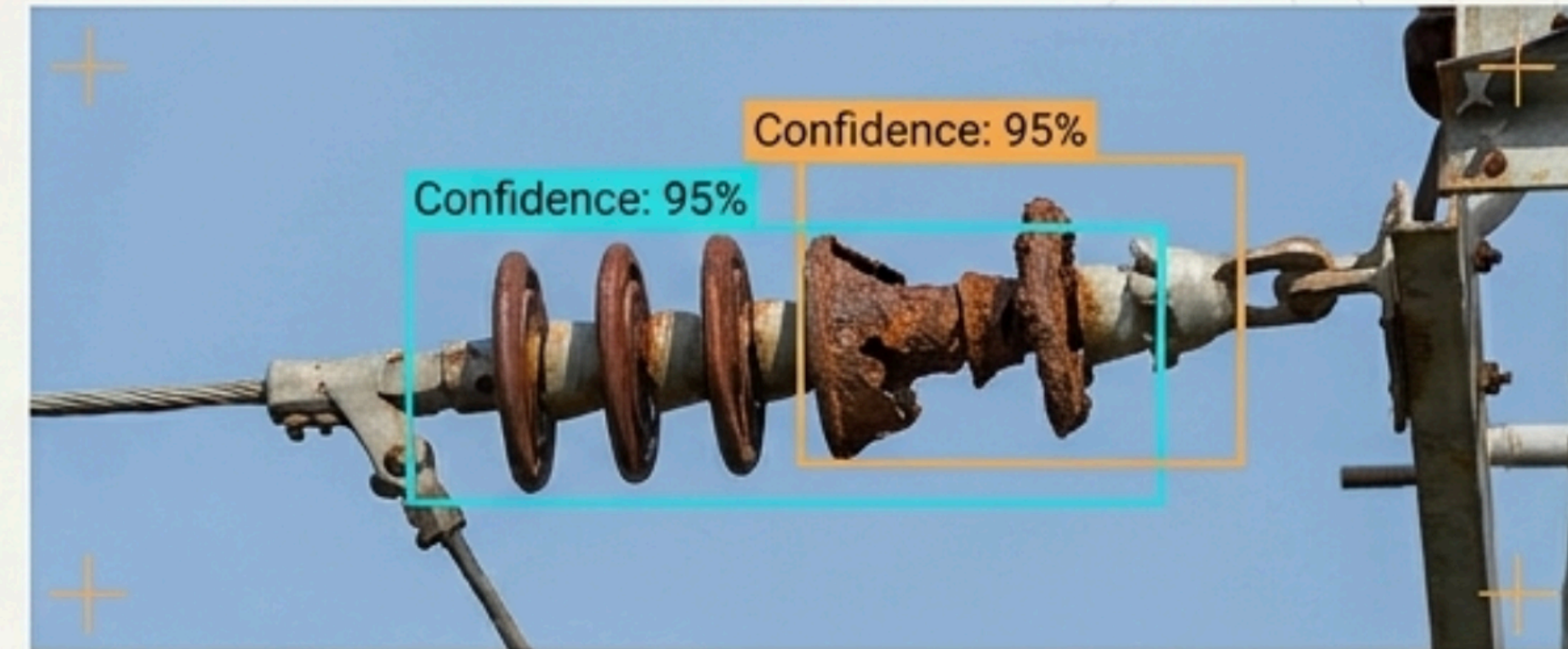
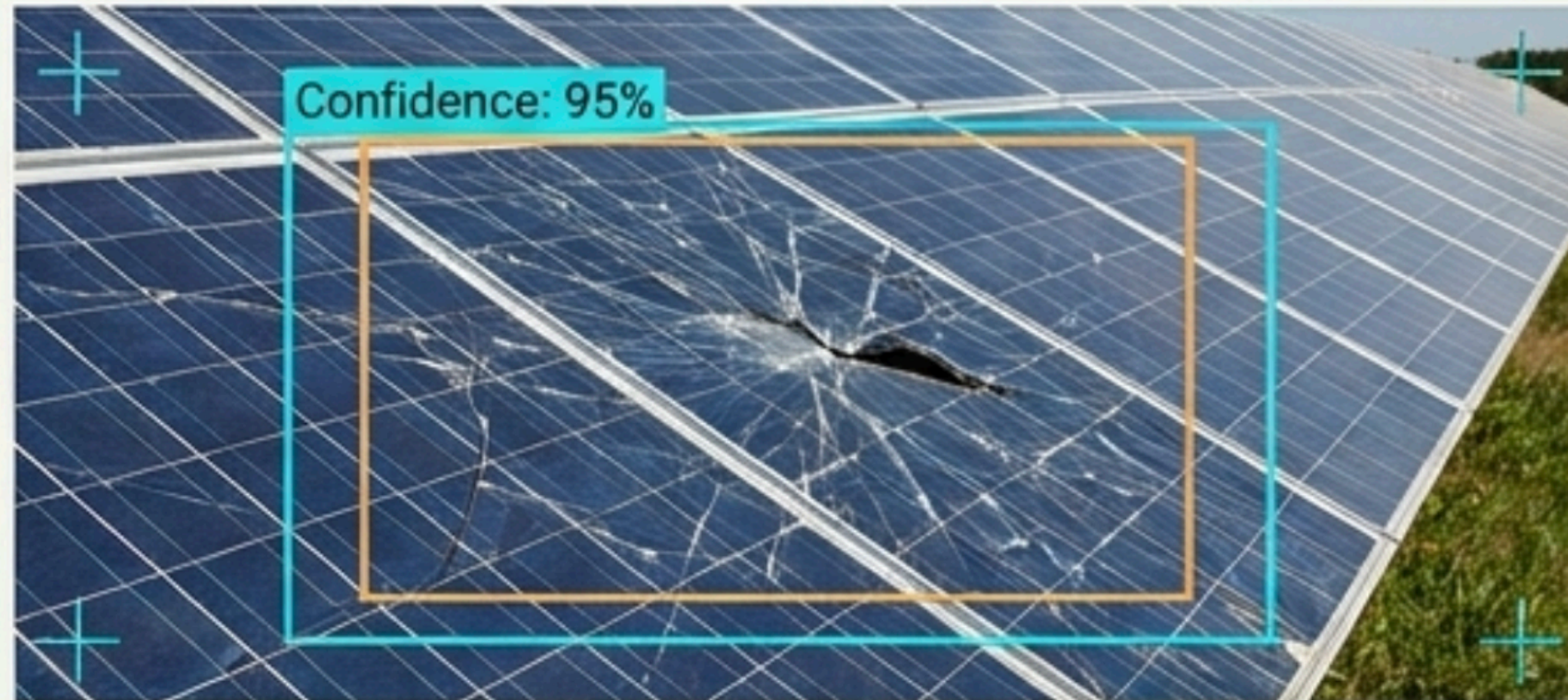


↓ budget overruns | ↑ schedule control | transparent projects



Smart analytics: Threat detection and classification

Up to 80% of network elements are classified entirely automatically. Algorithms don't just collect photos; they independently find threats in complex lighting and geometry conditions.



From detected defect to O&M task



1. Automatic task creation



2. Defect prioritization



3. Crew assignment

Closed loop: inspection -> analysis -> task -> repair



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Business impact: Transformation of the operating model



Cost reduction

↓ **up to 60% O&M costs**

Elimination of expensive manual inspections and helicopters.



Efficiency Boost

↑ **Inspection speed by 10x**

Complete automation of routine checks. Coverage of 100–500 km of lines per day.



Transparency

↑ **AI accuracy up to 95%**

Online access to defect history and the digital twin.



Reliability

0 risks for humans

Early defect detection and incident prevention.



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