

Cloud City Ecosystem



Cloud City is an Agentic AI ecosystem building autonomous cities. It enables urban development actors to deliver better service, cut costs and increase livability index in their areas - without massive investments in infrastructure.

Rapid Implementation

Deploy in weeks, not years

Future-proof

Modular design that grows with urban needs

Immediate ROI

Achieve measurable results within 90 days

Inclusive Design

Works with your existing systems and data



Manual processes and disconnected tools limit productivity and efficiency

Trend of urbanization combined with a digitalization and technology gap in daily ops, require innovative management approaches.

Siloed data

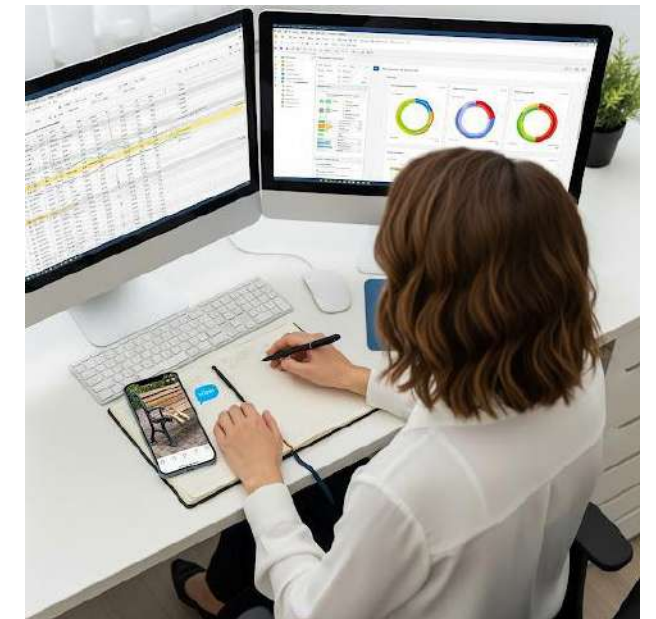
Ineffective communication

Time consuming manual work

Unstandardised documentation

Reactive management

Inefficient resource allocation





Our mission is to democratize smart city technologies

Our purpose-built solutions address the most pressing issues of urban development and management.

Data Integration

Hardware and data type agnostic, working with imagery, sensors and other data sources, which allows us to better understand urban environments with multiple senses.

Plug & Play Solutions

Our approach that emphasises the shortest possible time-to-value for clients enables rapid implementation without massive infrastructure investments and immediate returns.

Modular & Scalable

A range of products for key issues of urban development and modular platform enable customization to current customers needs, with an easy expansion in the future.

Our Approach

Paradigm shift to enable urban management transformation.

↳ Data silo
↳ Integration.

↳ Fragmented data points
↳ Actionable insights.

↳ Overpriced
↳ Democratized.

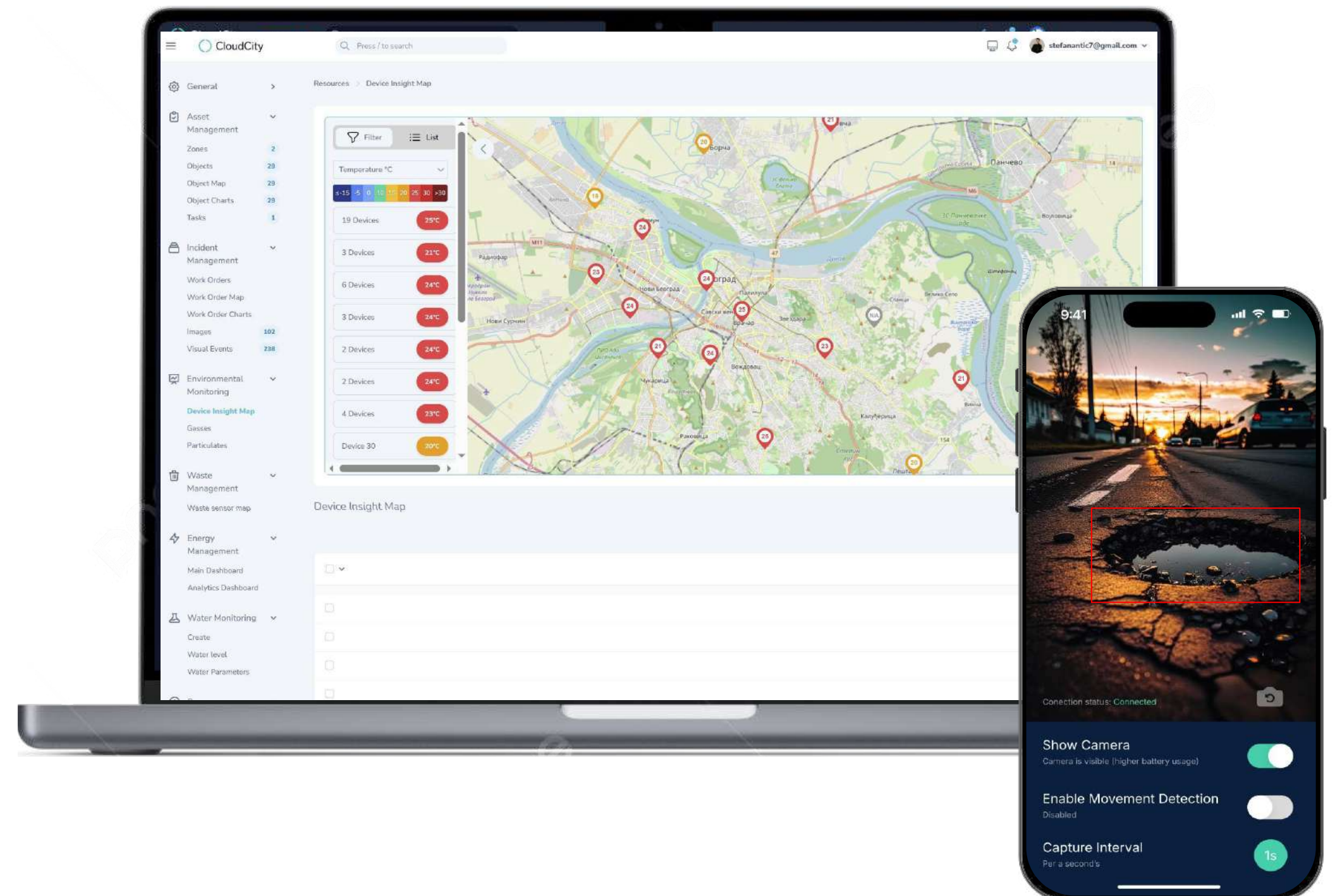


Agentic AI platform with 10 specific agents

Cloud City web app combined with
AI-assisted, automatic capturing
through Cloud Capture mobile app

- Asset Agent
 - Infra Agent
 - Waste Agent
 - Parking Agent
- *with Cloud Capture

- Energy Agent
- Telco Agent
- Env Agent
- Noise Agent
- Water Agent
- Sewage Agent





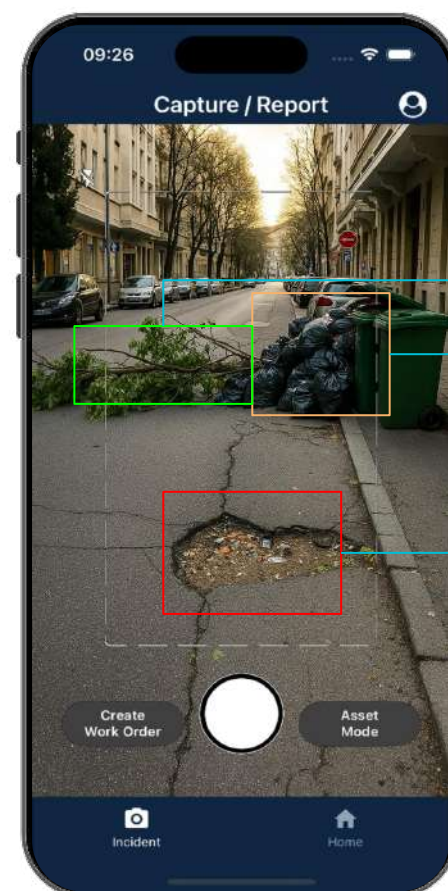
Cloud Citizen 311 app

AI-assisted capturing with Cloud City mobile app for citizens / teams

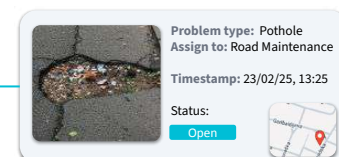
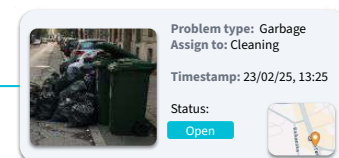
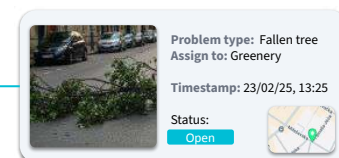
Communal Management

Point. Shoot. Report.
with AI assist

Intuitive design for
universal accessibility

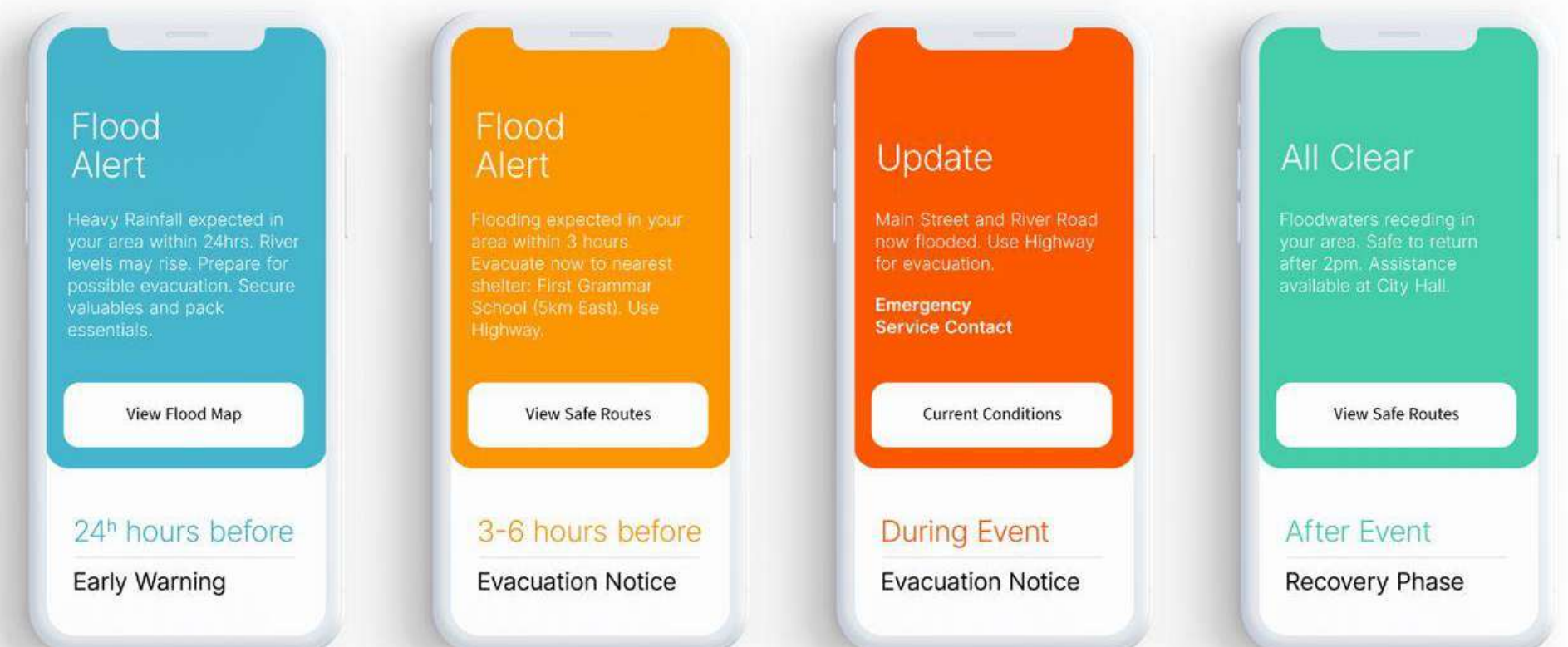


Report to Resolution,
Simplified.



Public info system

Hyper localized info system in critical
environmental and communal situations



VALUE DELIVERED

Precise timing

Location-specific Information

Clear Instructions

Continuous updates



Case studies

Campaign against illegal parking in the center of Podgorica

From 01.01.25. to 31.03.25

By using Cloud City Parking Agent

405

illegal parking tickets issued in 3 months

117

in 3 hours, through only 1 in-vehicle mounted cam

Process accelerated

300x

Missed revenue in 3 hours through 1 device

€60k

Monitoring for infrastructure problems in Belgrade

Average time from detection of the incident until the work order is created and dispatched

24h

Number of detections and work orders in 8h shift

45

Confirming and dispatching work orders in less than

15mins

Process accelerated more than

100x

Monitoring for illegal dumping landfills in Rijeka

In 2024., registered in

By using Cloud City Waste Agent

400

locations

45

in 3 hours, through only 1 in-vehicle mounted cam

Process accelerated more than

1.000x



Why now?

Barcelona

€200M

budget for waste collection

By using sensors/GPS/real-time analytics,
Barcelona saved:

40%

in Opex

35%

in Menhours or

€70M

25.000

8h-shifts

Other examples

Philadelphia ~ 80% shift reduction

Dublin ~ 75% collection reduction

Seoul ~ 65% in public deployments

Dubai

By using in-train mounted AI cams

1.700

8-hour shifts
saved / year

25%

lower periodic
maintenance costs

~75%

inspection
time cut

Other examples

By using AI combined with IoT devices

Barcelona

~ \$58M in water saving

New York

~ \$26M collection reduction

Sydney

~ \$30M in public deployments

New York

500%

parking revenue increase

By using in-vehicle mounted AI cams

From

To

\$4.3M → \$20.9M

Other examples

Washington DC

- 190k tickets

- 10min/ticket

London City

- CCTV

- AI introduction

25.000

officer-hours

10% YoY

increase



Team

Developed Facebook platform and video games,
managed projects for international organizations, and
have previous startup experiences with successful exits



Marko Scepanovic
CEO
Strategy, Ops, Marketing

Serial entrepreneur, 15+ years
Ono Bikes, Odo Ride



Slavko Fodor
CTO
Software Development

Senior IT eng, 20+ years
Meta, LotusFlare



Lazar Lekic
Business Development
Sales

Project manager, 8+ years
MIS, UMPS, USAID, Serbia Innovates, ICT Hub

Dev and Ops Team

Stefan Antic
Platform Lead

Marko Vukicevic
Full stack developer

Marko Obrenic
Full stack developer

Relja Petrovic
Full stack developer

Uros Rakonjac
AI Developer

Aleksandar Jevtic
QA

Bojan Milenkovic
PM/Administration

Milan Arsenov
Customer Support

Bojan Stankovic
Product Manager

Advisors

Nenad Mijatovic
AI Lead Advisor

Svetislav Simic
Data Science Advisor

Marko Krajnovic
PM Advisor

Ivan Bjelajac
Sales/Revenue Advisor

Bojan Lungulov
Product Advisor



Our vision of smart places and cities of the future, as well as our innovative approach, have been recognized by relevant international partners:



Thank you.





Solution Architecture



Cloud City urban intelligence architecture

Strategic Outputs

Enabling sustainable and transparent, evidence-based decision making for urban development and planning.

Operational Outputs

Real-time actionable insights and workflow automations processes for ultimate efficiency.

Products

The range of purpose-built functional modules to address the most pressing urban challenges.

Foundation Layer

Core Platform Features

The base capabilities that power everything with the processing engine that transforms raw data.

Data Collection Layer

Hardware and software for capturing urban data. This is where the system is fed.



Enabling proactive approach to incident management with AI

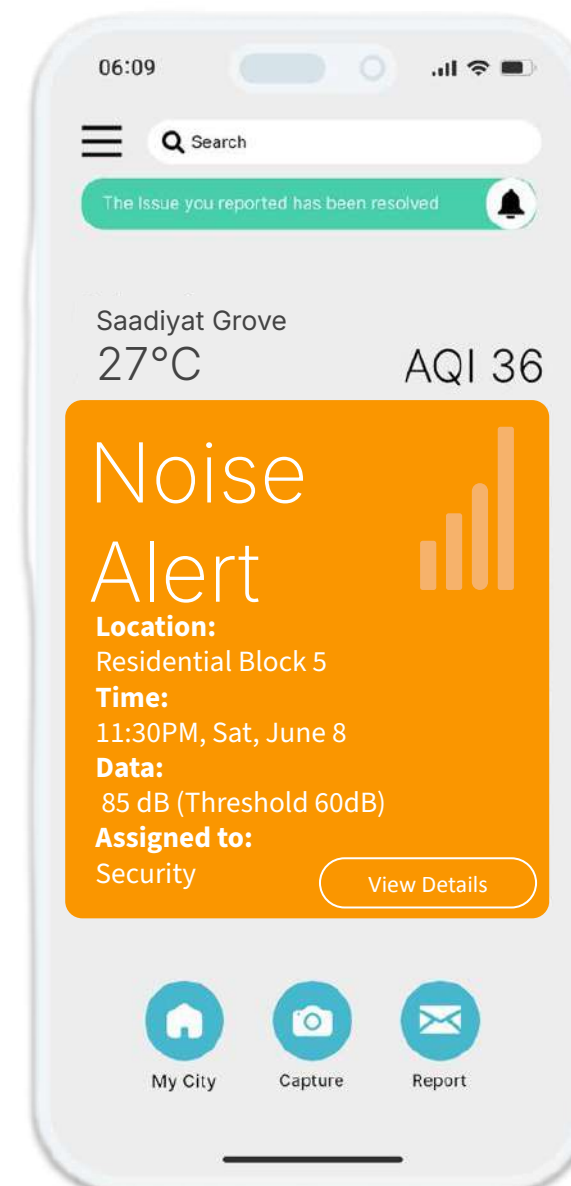
How we turn data from any camera or sensor into decisive action

See & Sense Everything

- Unifies data from all sources, including cameras and environmental sensors.
- AI learns the normal rhythm of your property to detect any visual or sensory anomaly.

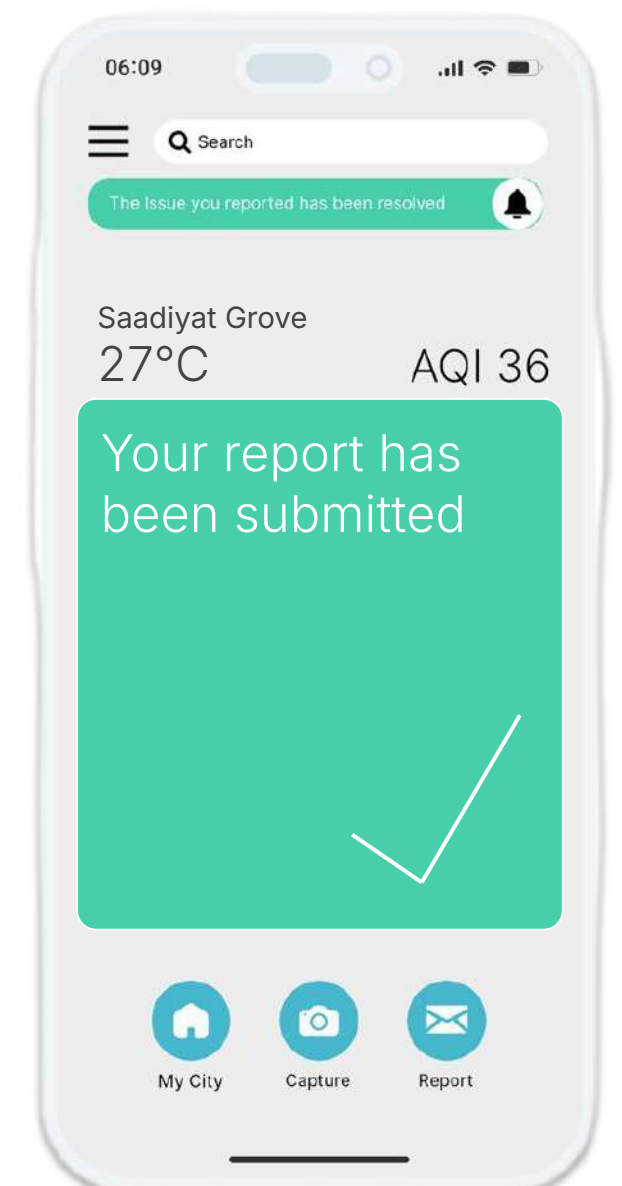
Act Instantly

- Receive instant, AI-classified alerts for any incident type.
- Each alert contains precise location, context, and critical data.
- The system automatically assigns the task to the correct team (e.g., Maintenance, Security).



Ensure Resolution

- Dispatch the right teams and monitor workflows from start to finish.
- Confirm resolution and maintain a complete audit trail for every event.





Incident management workflow automation

Incident capture

Fixed or
Vehicle-mounted
cameras

Mobile App for
team and tenants

Other sensors
data

Cloud City AI-Agent

AI Incident
Detection and
Classification

AI Generated
Work Order

Intelligent Routing

Smart
Assignment and
Management

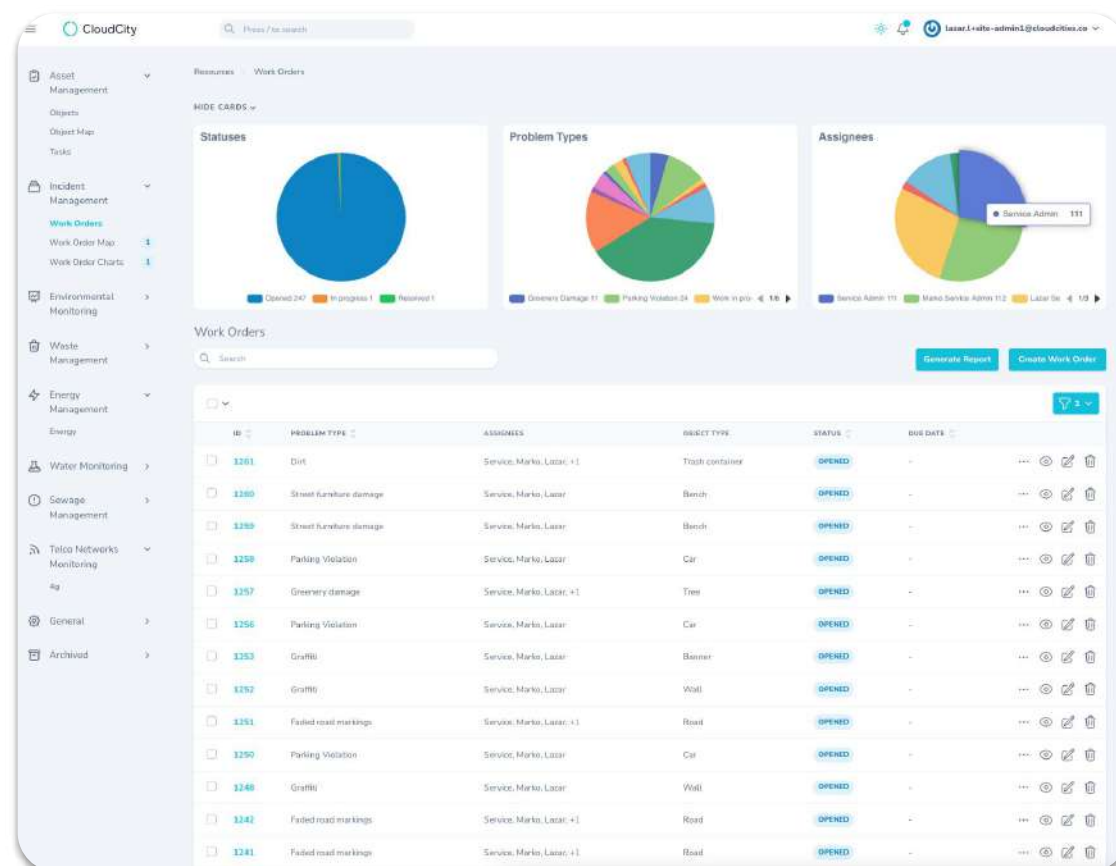
Resolution
Report



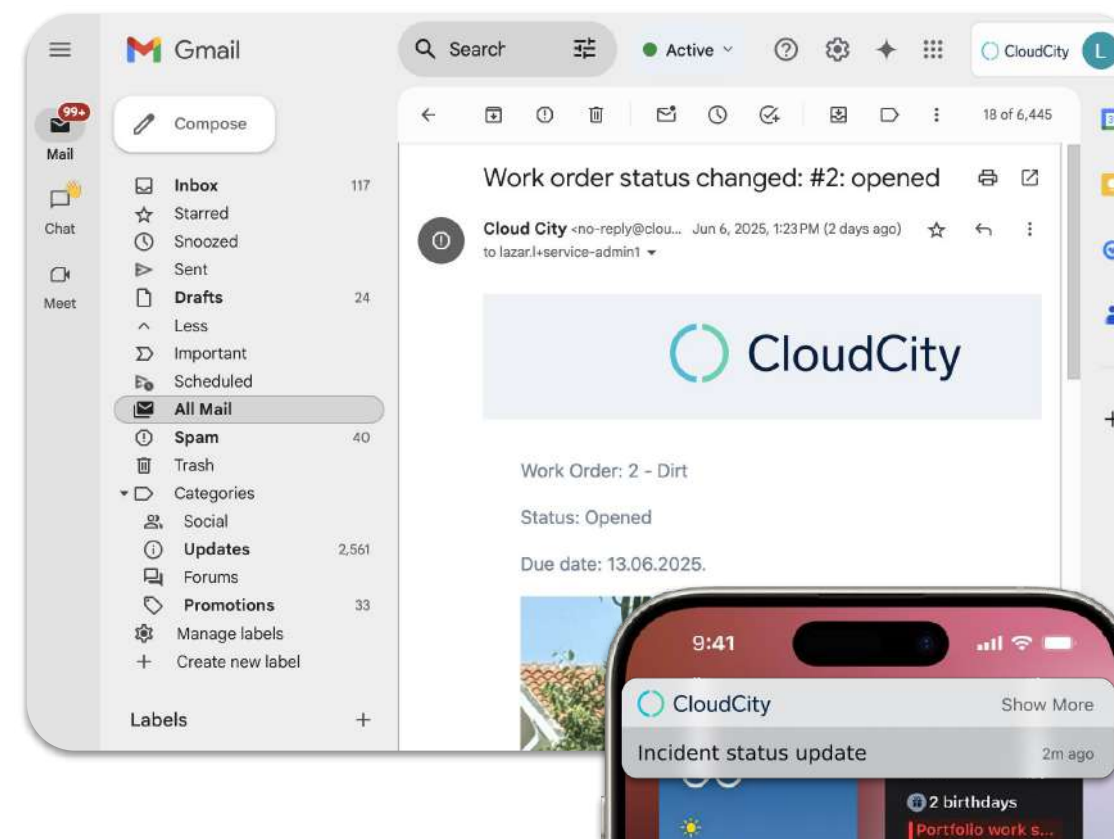


Instant value for your operations team

Integrated Records



Multi-channel alerts in real time



Standardized Documentation

CloudCity Work Orders Report	
Report Period: Apr 16, 2025 - Apr 17, 2025	
Id	696
Problem Type	Trash outside Container
Event Image	
Location	
Created At	2025-04-16 16:47:42
Address	Blok 5 - zadnja zgrada (A), Podgorica, Montenegro



Role-based access and features

Cloud City ecosystem is fully
configurable to your organizational
structure and operational processes

- Unique view for each user with data relevant to them
- Review requirements configurable to organization
- Custom escalation paths and SLA management
- Comprehensive user and team management

Site Admin

- Complete overview of the site operations
- User Management
- Reviewing resolutions of critical incidents

Site
Admin

Service Admin

- Everything related to their team, including workload distribution and performance metrics
- Team management
- Resolution report review

Quality Control
Admin

Maintenance
Admin

Cleaning
Admin



Servicer

- Overview of their tasks
- Resolution reporting

Maintenance
East

Maintenance
North

Maintenance
West

Service Team

Michael

Julia

Vanja

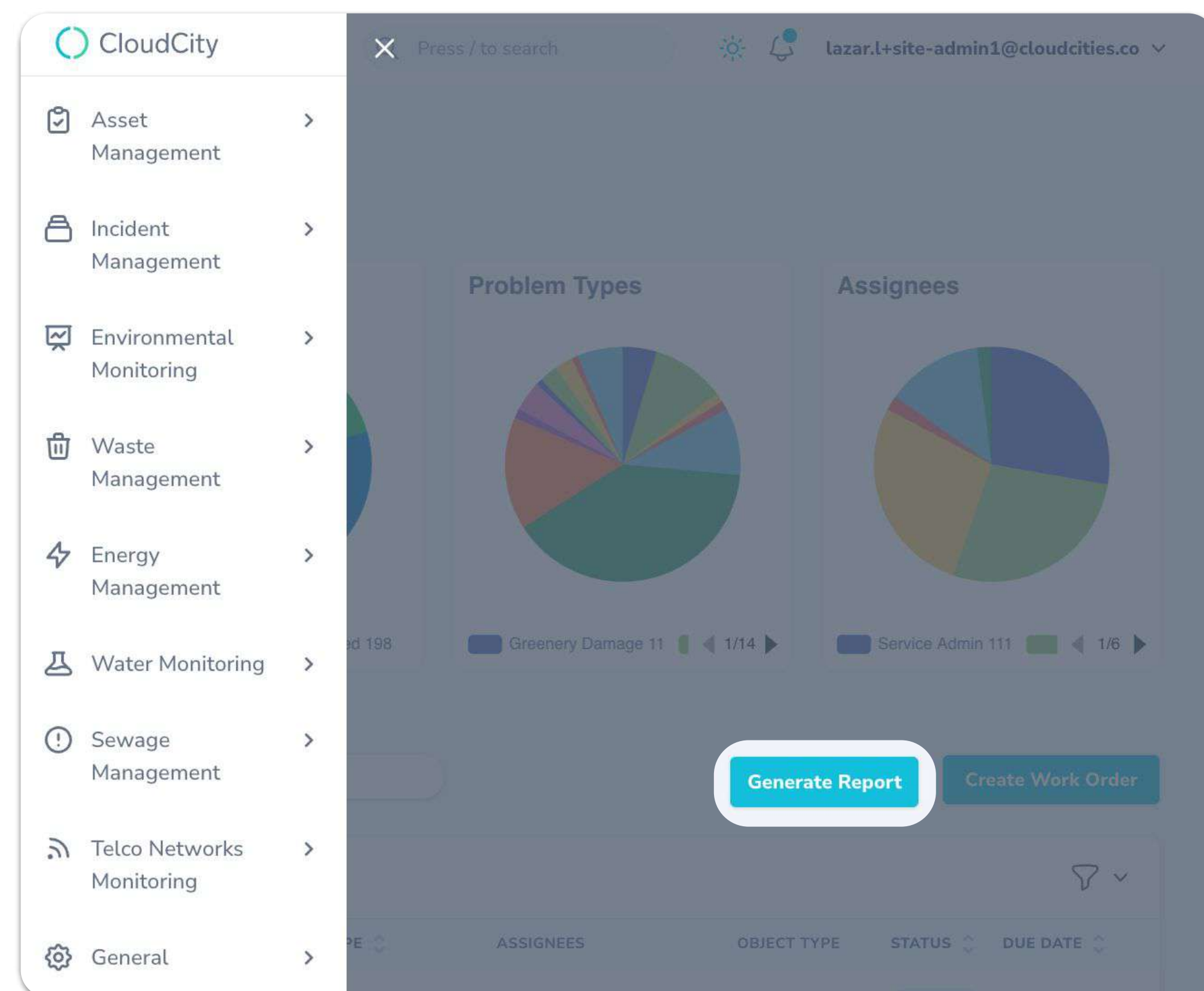




Integrated ecosystem for collaborative teams

Seamless integration with other systems and custom reporting ensure seamless cooperation and synergy within organizations.

- Data visualization tools
- Custom dashboards and reports
- Trend and correlation analysis
- Real-time and historical insights



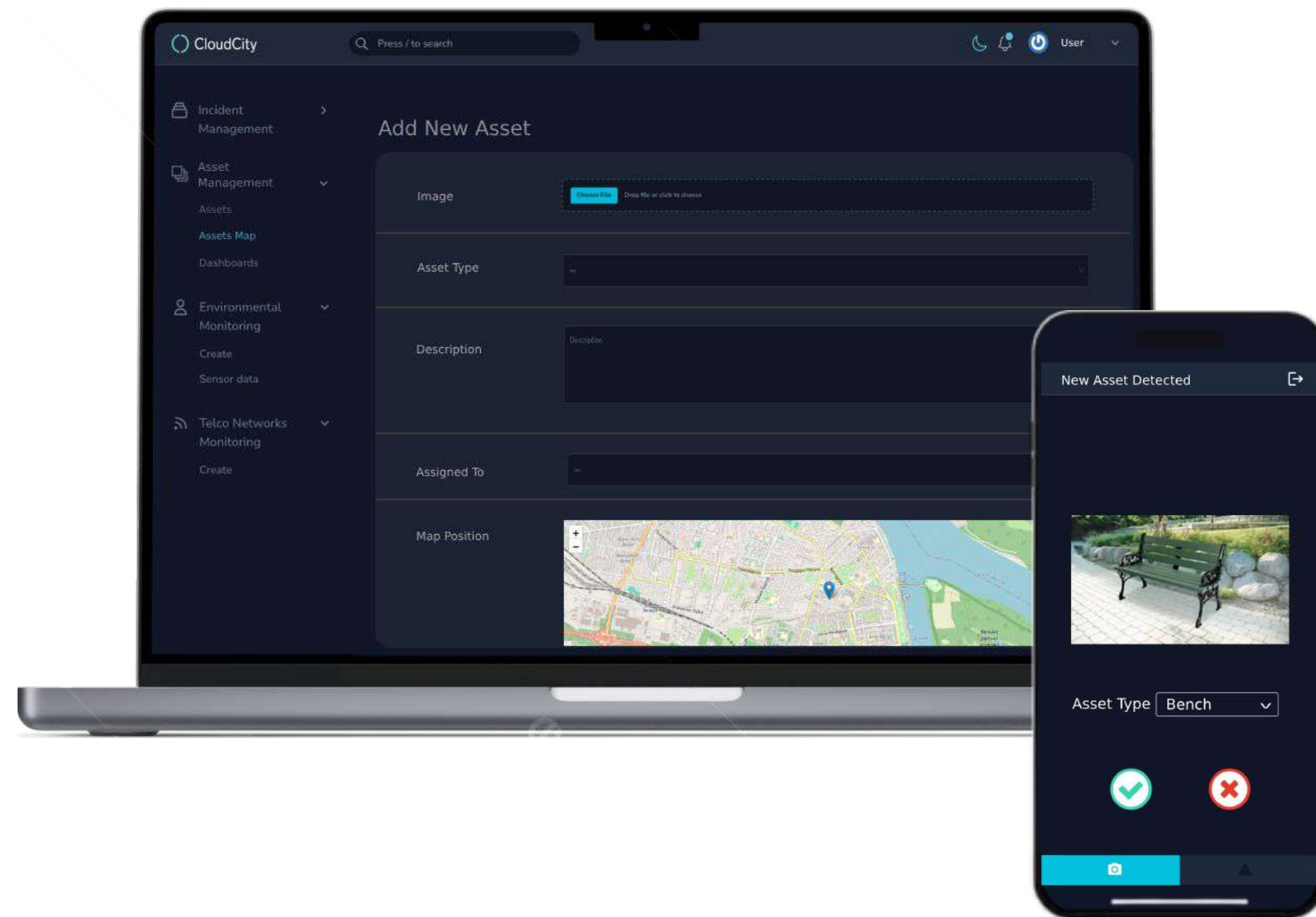


Cloud City AI agents



Cloud City Asset Agent

Digital twin asset management



Our Digital Twin technology creates comprehensive digital representations of your physical assets in 2D and 3D with area zoning, connecting maintenance tasks, incident logs, and costs for automated real-time management.

Key benefits

- Enhanced asset lifecycle management
- Reduced maintenance costs
- Improved operational efficiency
- Data-driven decision making
- Optimized resource allocation
- Streamlined compliance and reporting processes

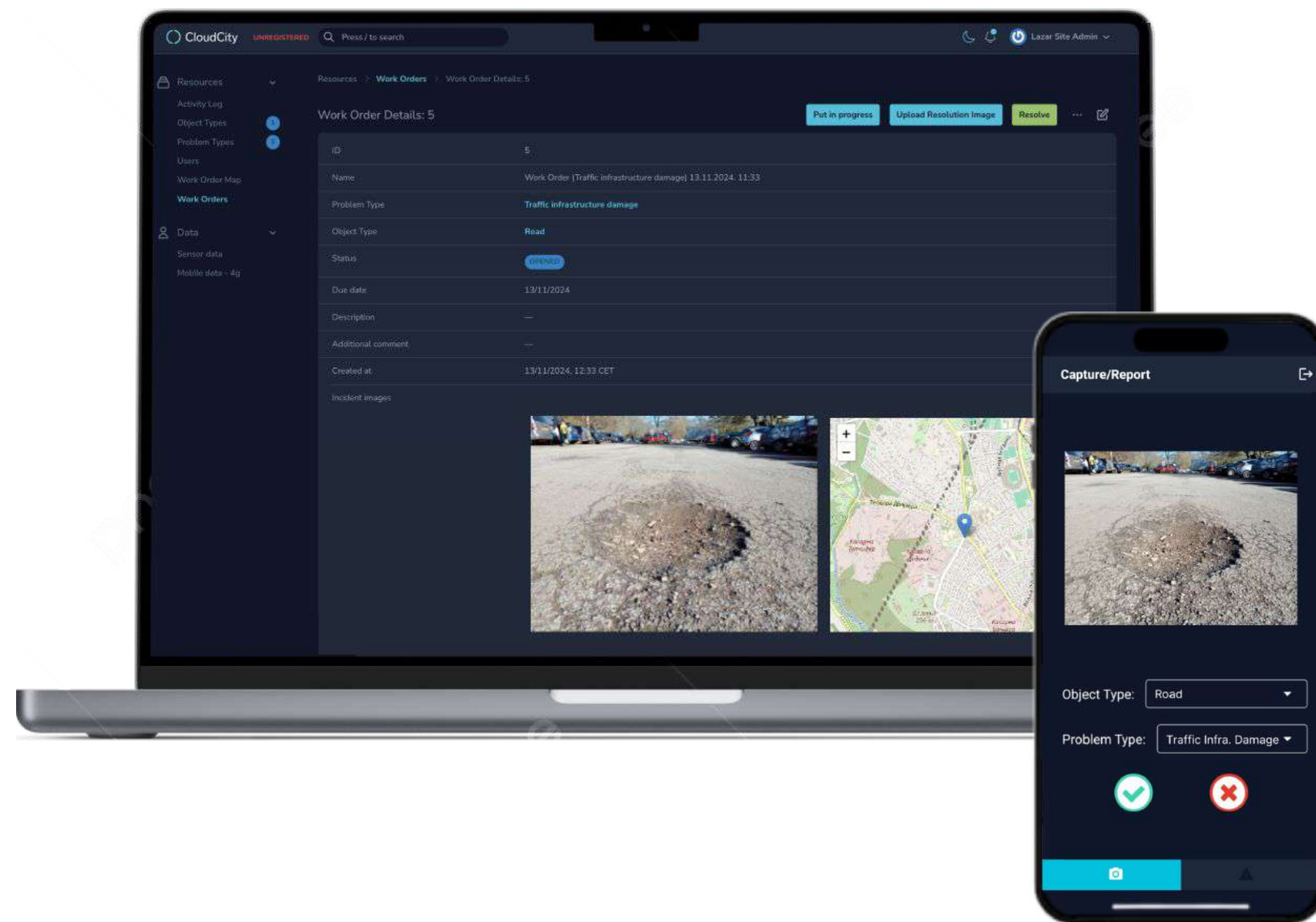
Key capabilities

- Comprehensive asset profiling
- Lifecycle maintenance management
- Mobile Inspection workflows
- Asset performance analytics



Cloud City Infra Agent

Infrastructure incident management



Our intelligent incident detection system identifies issues like parking violations, vandalism, infrastructure damage and sensor threshold breaches in real-time, automatically creating and assigning work orders to relevant teams.

Key benefits

- Accelerated incident resolution
- Reduced infrastructure damage through early intervention
- Enhanced citizen satisfaction
- Data-driven insights for preventative maintenance
- Optimized field team deployment and resource utilization
- Improved accountability through incident tracking

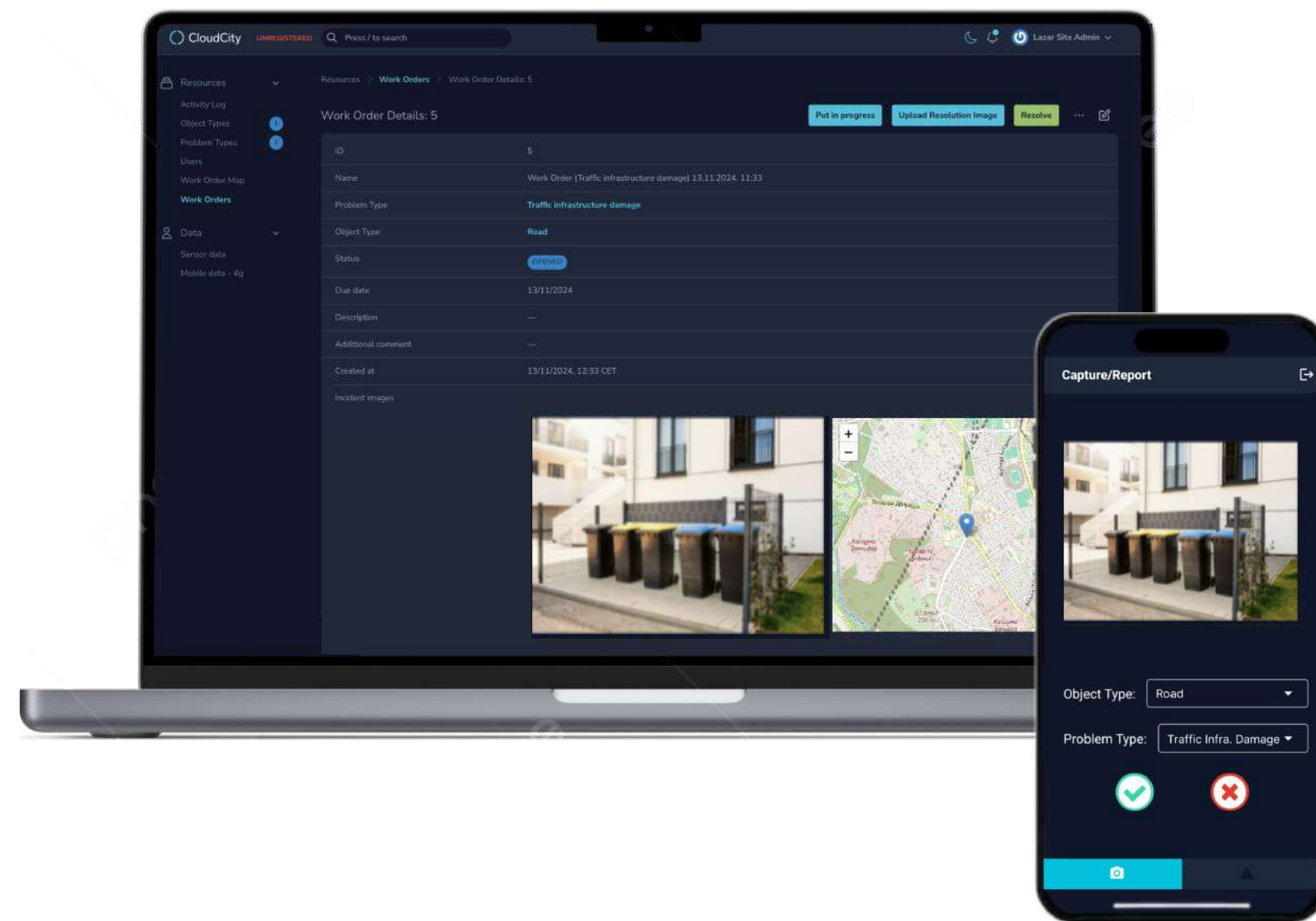
Key capabilities

- AI-Powered incident detection
- Intelligent work order management
- Mobile-first field response
- Performance analytics



Cloud City Waste Agent

Waste management sorted



Our integrated waste management solution streamlines collection operations through real-time monitoring, intelligent alerts, and automated workflows that optimize resource allocation and enhance responsiveness.

Key benefits

- Improved collection efficiency and route optimization
- Reduced operational costs
- Enhanced citizen satisfaction
- Data-driven decision making
- Minimized environmental impact

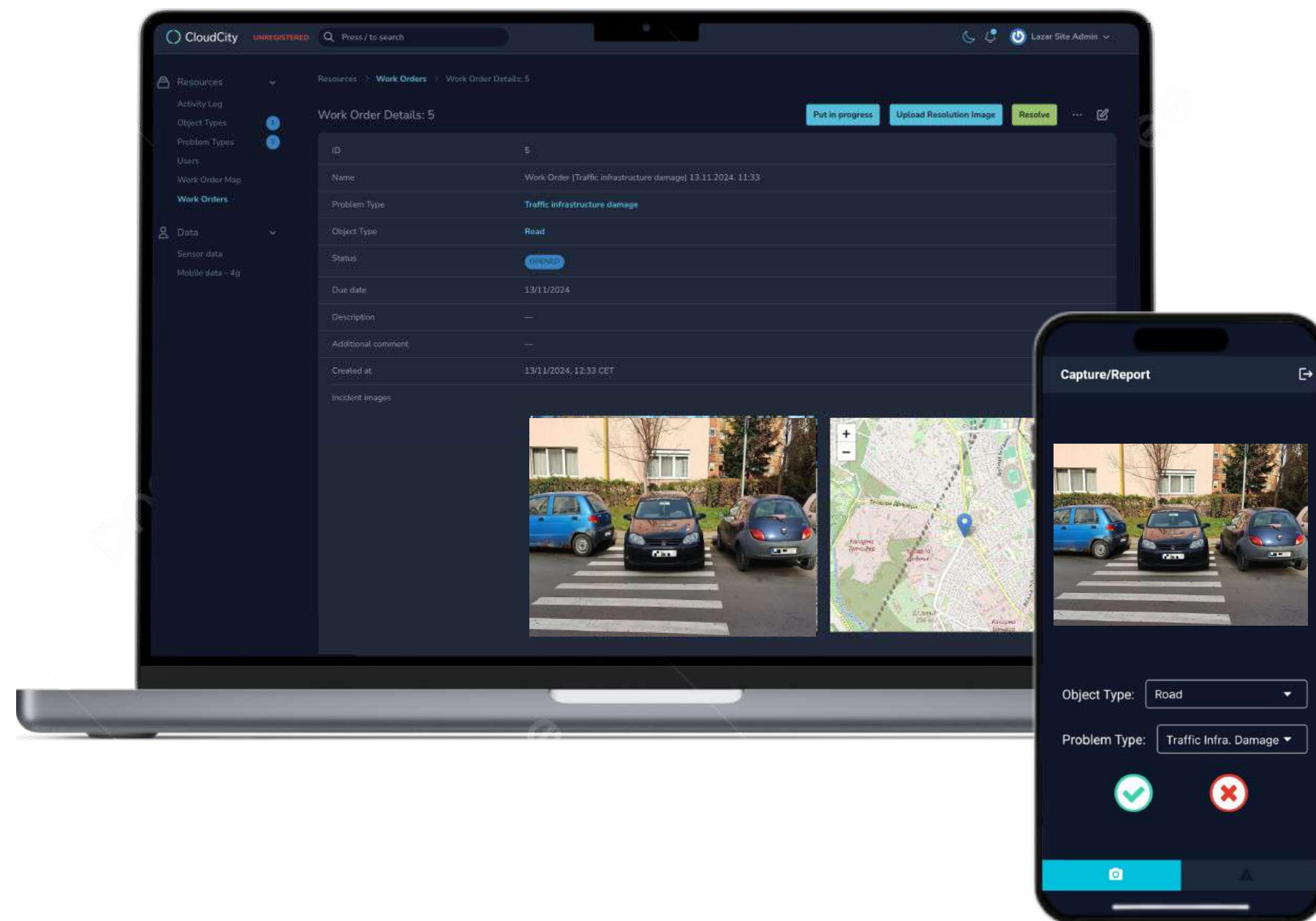
Key capabilities

- Smart bin monitoring
- Dynamic collection optimization
- Waste analytics platform
- Illegal dumping prevention



Cloud City Parking Agent

Illegal parking detection



Our intelligent parking enforcement solution automatically detects violations through computer vision, streamlines the ticketing process, and optimizes officer deployment to increase compliance and generate revenue efficiently.

Key benefits

- Increased parking compliance and revenue generation
- Optimized enforcement staff allocation and productivity
- Reduced traffic congestion
- Data-driven insights for parking policy
- Enhanced urban mobility

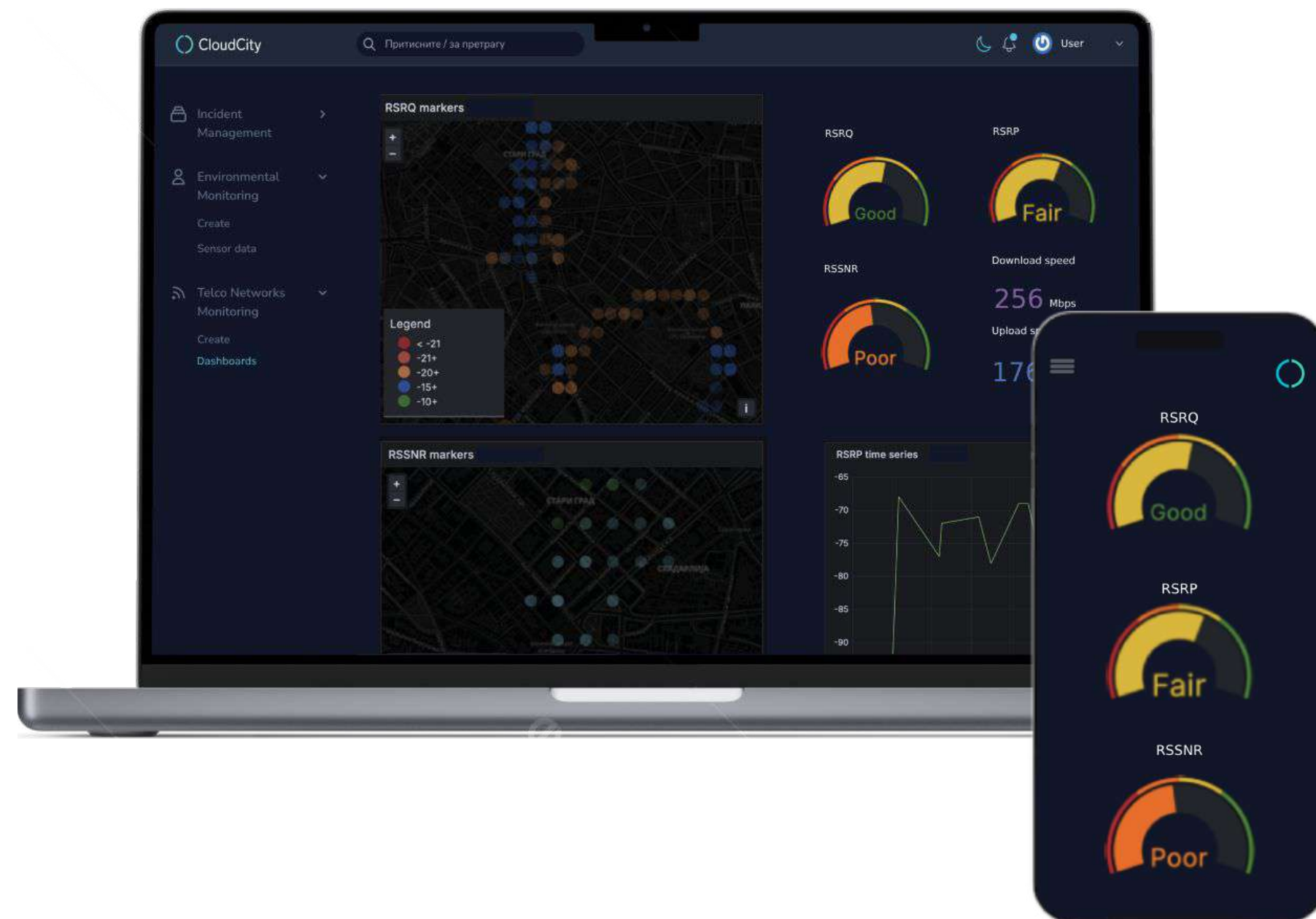
Key capabilities

- Automated Violation Detection
- Digital Ticketing Workflow
- Enforcement Optimization
- Performance Analytics & Reporting



Cloud City Telco Monitoring

Drive Test Parallel



Our comprehensive telco monitoring platform delivers real-time network performance analytics through parallel drive testing, enabling operators to identify coverage gaps, signal quality issues, and network bottlenecks for optimized service delivery.

Key benefits

- Comprehensive network coverage mapping
- Real-time signal quality monitoring
- Data-driven network optimization and capacity planning
- Enhanced customer experience
- Efficient resource allocation for network maintenance

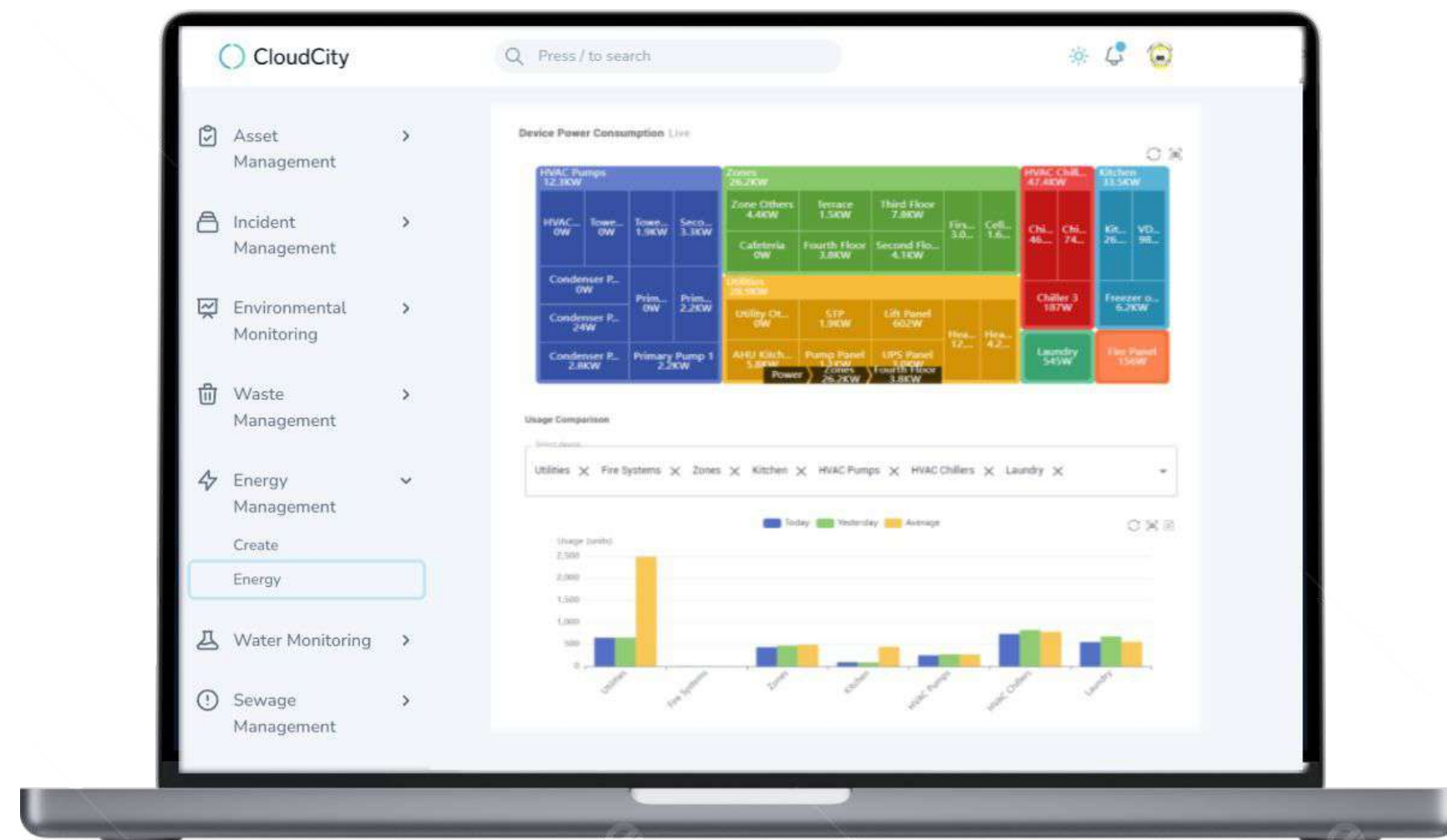
Key capabilities

- Continuous network monitoring
- Real-time service experience assessment
- Intelligent fault detection
- Comprehensive performance analytics



Cloud City Energy Agent

Multifaceted Energy Management



With Cloud City Energy you can monitor energy consumption with deep segmentation levels, understand trends and anomalies, forecast costs and create custom management reports.

Key benefits

- Cut costs by pinpointing energy waste
- Prevent breakdowns
- Boost sustainability by lowering carbon footprints
- Enhancing green reputation

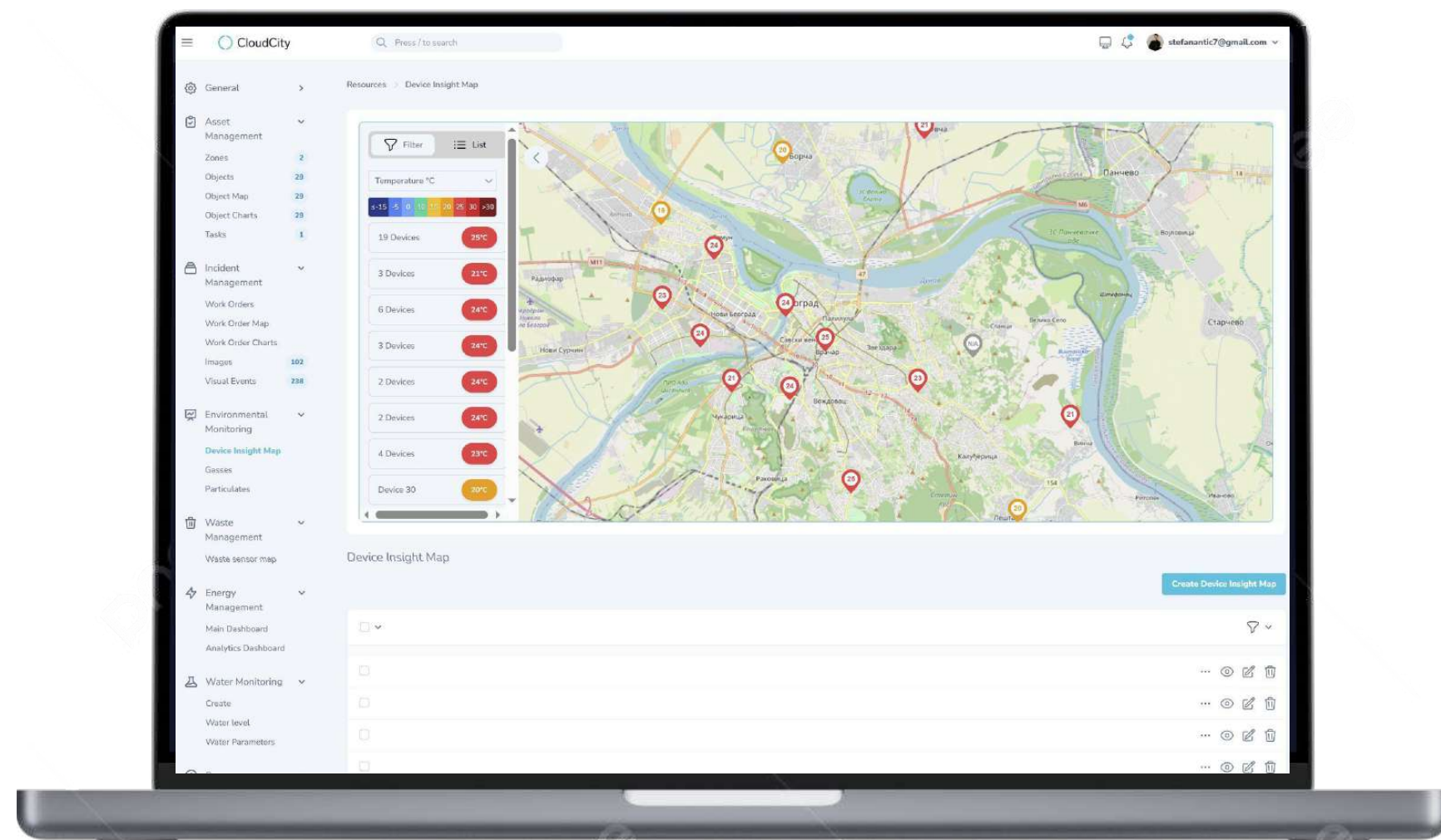
Key capabilities

- Granular energy consumption monitoring
- Intelligent usage analysis
- Peak demand management
- Sustainability reporting



Cloud City Environmental Agent

Monitoring of air and noise pollution with meteorological insights and vibrations



Our environmental monitoring system delivers real-time air quality, noise and meteorological data with actionable insights, enabling proactive decision-making to mitigate pollution events and improve public health outcomes.

Key benefits

- Proactive pollution management
- Data-driven policy development
- Early warning system for adverse air quality
- Enhanced transparency through public dashboards
- Regulatory compliance documentation and reporting

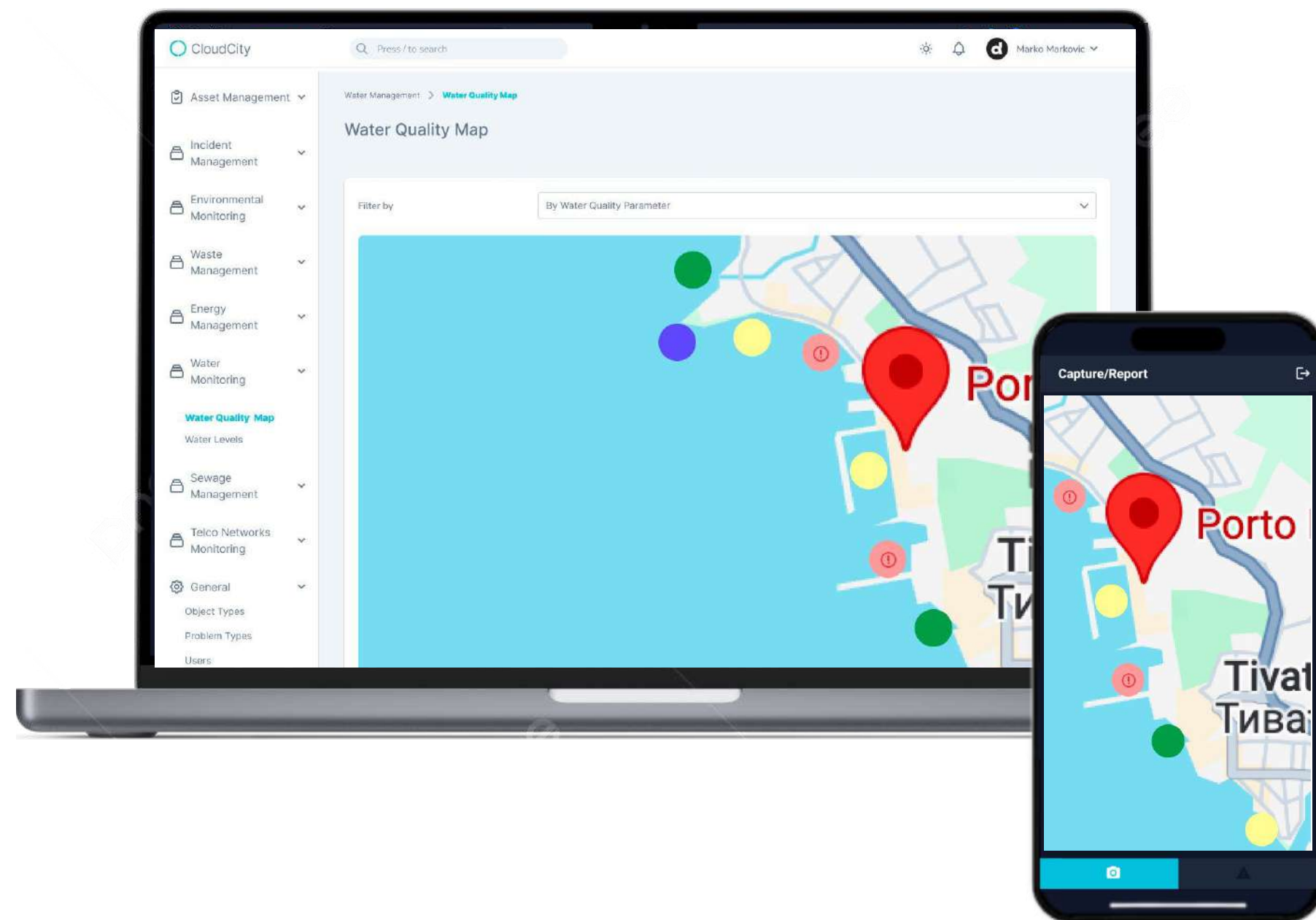
Key capabilities

- Multi-parameter environmental sensing
- Real-time environmental mapping
- Automated alerting & response
- Advanced environmental analytics



Cloud City Water Agent

Multifaceted water management



Our comprehensive water management platform enables early incident detection through visual monitoring and integrated water quality sensors, instantly alerting relevant teams to prevent damage and ensure water safety.

Key benefits

- Rapid detection of leaks minimizing water loss
- Real-time monitoring of water quality parameters
- Proactive maintenance reducing costly emergencies
- Data-driven insights
- Improved resource allocation

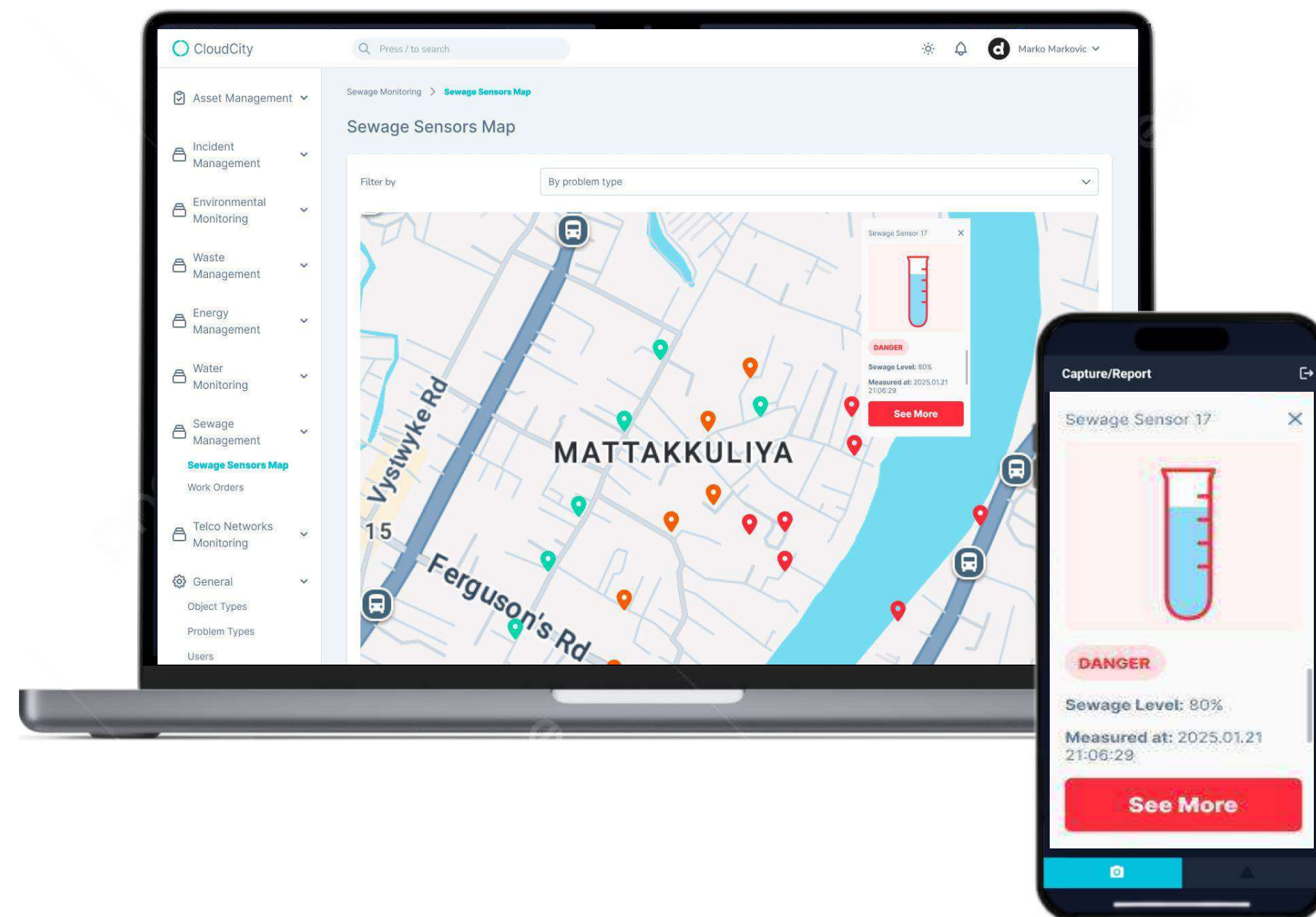
Key capabilities

- Multi-parameter water analysis
- Robust waterproof design
- Plug-and-play water monitoring
- Customizable sensor network



Cloud City Sewage Agent

Sewage and water level monitoring



Our advanced sewage monitoring system provides real-time water level tracking through integrated sensors, instantly alerting teams to potential overflow events and enabling proactive responses to prevent environmental contamination and flood damage.

Key benefits

- Early detection of potential sewage overflow
- Prevention of environmental contamination
- Reduced flood damage to infrastructure and property
- Data-driven maintenance planning for sewage
- Improved emergency response coordination

Key capabilities

- Sewage levels monitoring
- Overflow prevention system
- Automated alerting & response
- Infrastructure planning support



311 Agent workflow



Saving 80%+ in time with Cloud City's 311 AI agents

No email or report in this process
needs to be written any more.

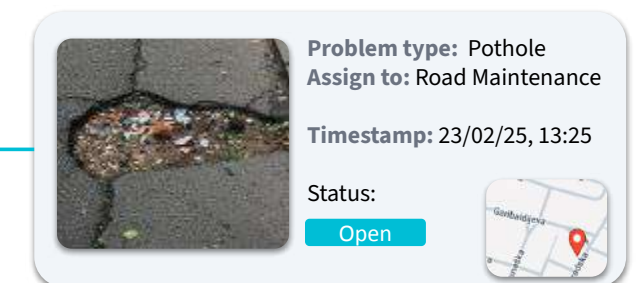
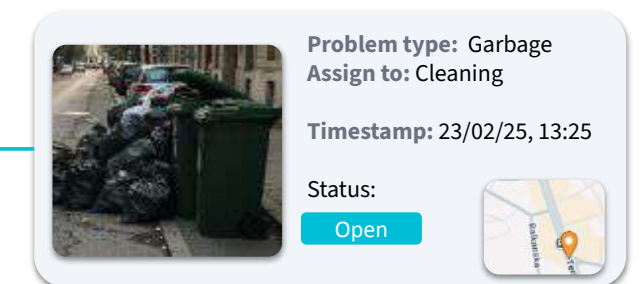
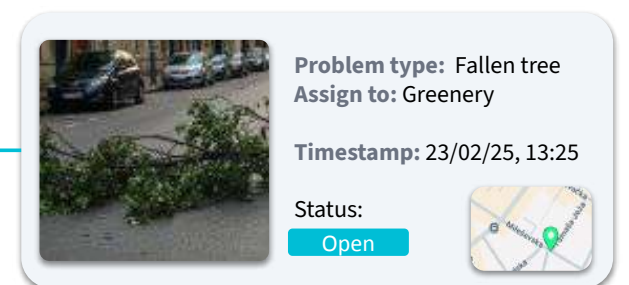
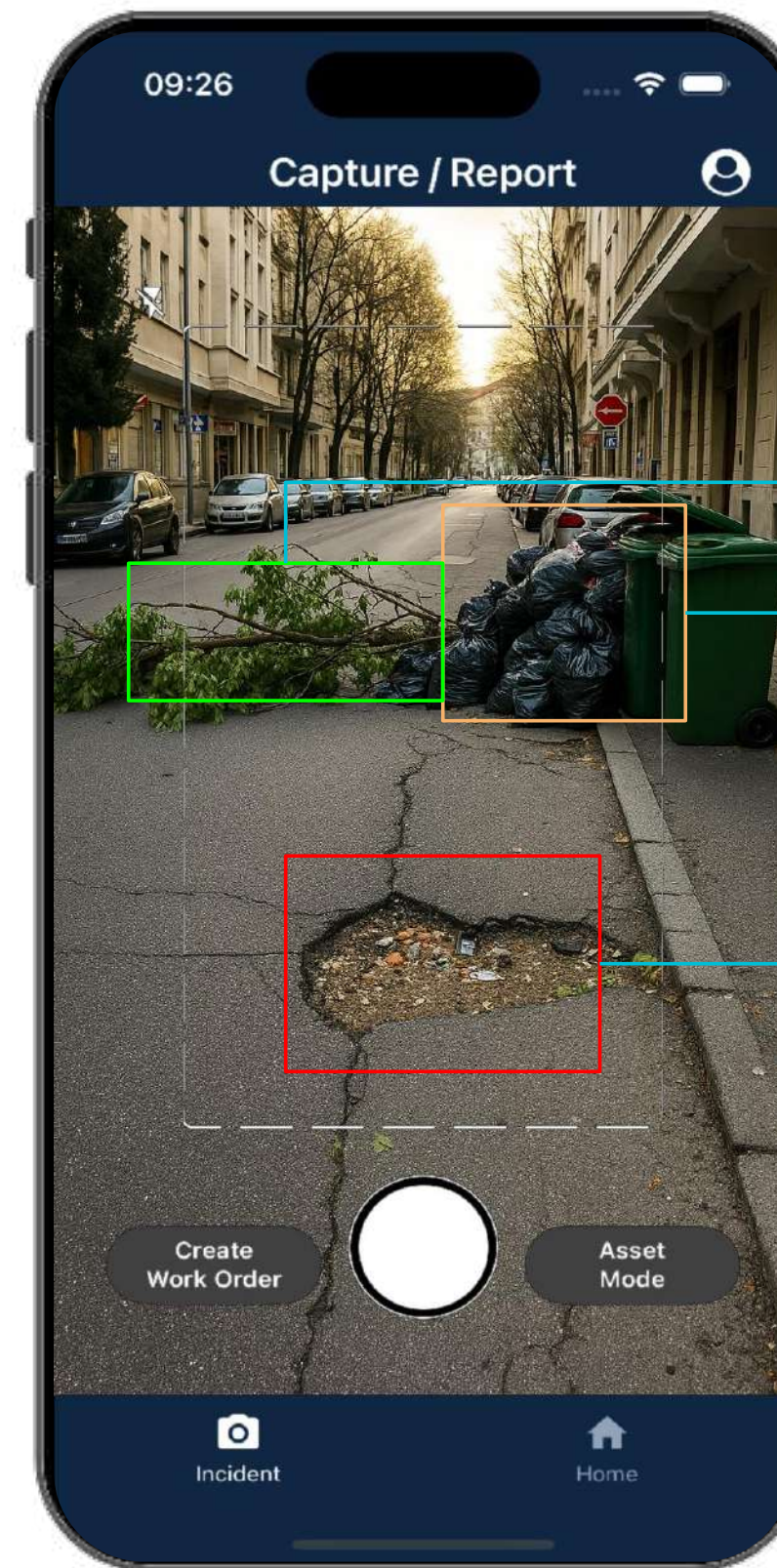


100% Automated Process

100% Standardized Documentation

100% Integrated

Report to Resolution,
Simplified.





Mitigating noise pollution with Cloud City's Noise Agent



AI-powered acoustic sensor network

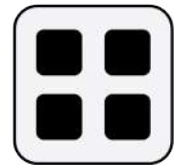
AI-powered mesh sensor network solution designed to obtain mobility data and mitigate noise pollution.

- Monitoring and analysing urban acoustic environments in real-time.
- Advanced acoustic signal identification to detect, classify and localize various urban sound sources.
- Providing actionable insights for urban mobility management and noise reduction.



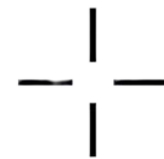


Core system capabilities



Sound Classification

Identifies and categorizes different urban-related sounds (people, noise, cars, trains, metro), with best-in-class performance and 99% accuracy for vehicle types.



Anomaly Detection

Recognizes unusual sound patterns that may indicate issues or emergencies, with extremely low false alarm rates.



Event Triangulation

Precisely locates sound sources using multiple synchronized sensors with meter-level precision through proprietary algorithms.



Environmental Context

Enhances accuracy by incorporating temperature, humidity, and wind data from integrated environmental sensors.

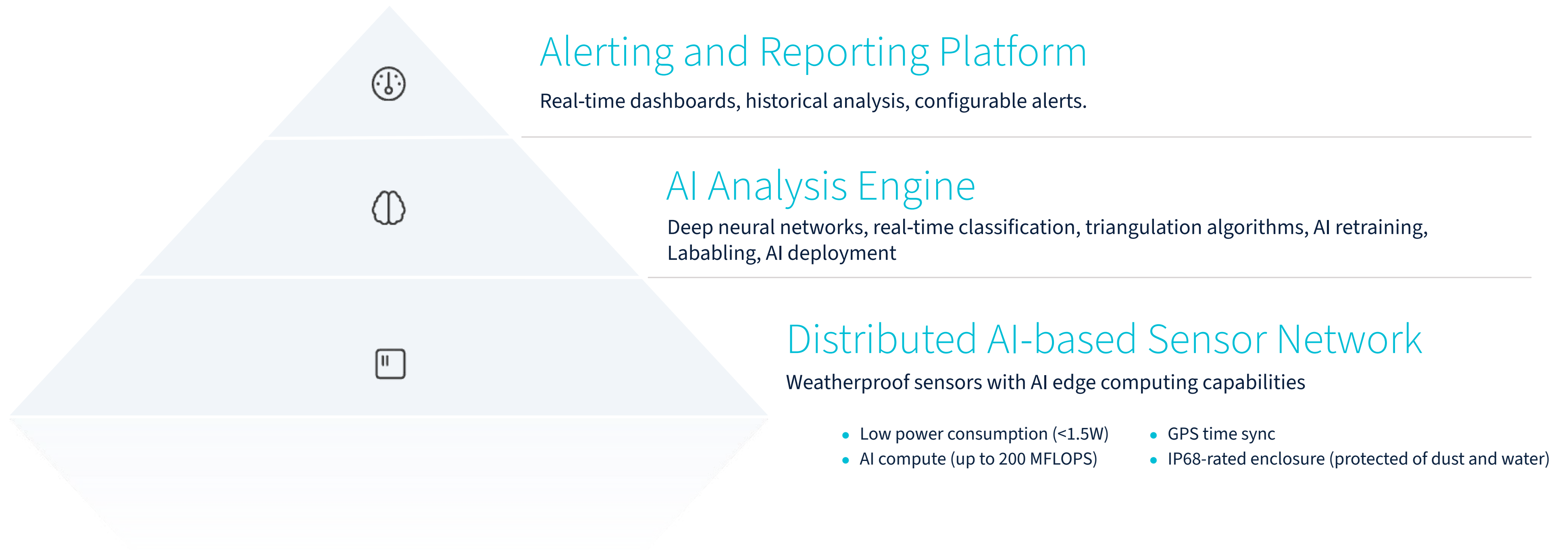


Secure & Compliant

Trustworthy AI application with on edge analysis, compliant with GDPR and EU AI Act.



Technical solution architecture





Competitor landscape



Competitor landscape

[illegible]



Instant value with Cloud City

