

Intelligent Urban Noise and Environmental Monitoring Platform

Real-time urban noise and environmental pollution monitoring for UK public sector organisations

Cloud-based analytics to support smart city planning, compliance, and citizen well-being

Healthier, quieter environments

Enables data-driven policies that reduce exposure to urban noise and pollution in public spaces.

Effortless regulatory compliance

Supports government and environmental regulations with automated, auditable reporting workflows.

Faster issue resolution

Empowers teams to quickly identify and address noise and pollution hotspots using live dashboards and alerts.

Transform Public Services

- Purpose-built for UK public sector organisations with UK/EEA data hosting and GDPR-compliant cloud
- Combines noise, air quality, and environmental monitoring in a single, scalable SaaS platform.
- Integrates with existing smart city infrastructure and sensors to maximise prior investments.
- Delivers secure, resilient cloud analytics with strong security governance and certified data centre standards.

Service Overview

Datasumi's intelligent platform enables councils, NHS bodies, education, and central government to monitor, analyse, and mitigate urban noise and environmental pollution in real time. It enhances smart city planning, air quality management, and regulatory compliance through secure, scalable UK-hosted cloud analytics. The service is designed to improve citizen well-being and support sustainable urban development across cities, towns, transport hubs, and public infrastructure.

Core Capabilities

- Real-time analysis of urban noise and environmental conditions across multiple public sector locations
- Automated monitoring and compliance reporting for air quality and related environmental regulations
- Secure, scalable multi-cloud deployment with integration into existing smart city sensors and systems

Key Features

Real-time urban noise analysis

Real-time urban noise analysis across multiple public sector locations

Automated air quality monitoring

Automated air quality monitoring with full compliance reporting tools

Scalable design

Scalable design for councils, NHS, education, and central government deployments

Seamless integration

Seamless integration with existing smart city sensors and systems

Secure UK-hosted cloud analytics

Secure UK-hosted cloud analytics for sensitive environmental data

Customisable threshold alerts

Customisable threshold alerts for noise, pollution, and vibration disturbances

Mobile and web dashboards

Mobile and web dashboards with live, interactive environmental visualisations

Export capabilities

Export capabilities for advanced reporting, audits, and research projects via data interfaces

Service Benefits

Healthier, quieter environments

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Effortless regulatory compliance

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Faster issue resolution

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Scalable public sector coverage

Provides monitoring suitable for cities, towns, transport hubs, healthcare, and educational sites.

Operational efficiency

Reduces manual inspections through automated data collection.

Sustainability support

Strengthens sustainability and climate action initiatives with real-time insights.

Summary & Key Advantages

Why Choose This Service

- Purpose-built for UK public sector organisations with UK/EEA data hosting and GDPR-compliant cloud operations.
- Combines noise, air quality, and environmental monitoring in a single, scalable SaaS platform.
- Integrates with existing smart city infrastructure and sensors to maximise prior investments.
- Delivers secure, resilient cloud analytics with strong security governance and certified data centre standards.
- Improves citizen well-being and satisfaction by enabling targeted interventions on noise and pollution hotspots.
- Supports long-term sustainability, climate, and smart city strategies through actionable real-time and historical insights.

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