



Building Responsibly: Environmental Oversight in Construction with Scopious IoT

Overview

Construction sites face constant environmental challenges—from dust and noise to weather and air quality. Scopious provides live monitoring across work zones to help teams manage risk, improve safety, and meet compliance requirements. With near real-time alerts and automated reporting, project managers can stay ahead of issues and protect both workers and the surrounding community.

Needs:

Construction teams must manage dust, noise, vibration, and air quality while also complying with consent conditions, health and safety regulations, and environmental controls—especially near residential or sensitive zones.

Solution:

Scopious provides live environmental data from site perimeters and work zones, alerting teams to rising risks and supporting reporting for council, health and safety, or client requirements.

Key Benefits:

- Helps maintain safe conditions for crews and the public
- Supports consent compliance and site audit readiness
- Reduces risk of environmental complaints or delays
- Optimises use of dust suppression and other mitigation systems
- Enables early action with live alerts and mobile access
- Builds trust with councils, neighbours, and project stakeholders

Scopious for Construction & Infrastructure

- Dust, noise, vibration, temperature, and air quality monitoring
- Wind and weather sensors to guide dust suppression and safety planning
- Near real-time alerts for thresholds breaches (e.g. noise or PM10 exceedance)
- Dashboard access for site managers and project leads
- Historical reporting for consents, audits, or incident review
- Rugged hardware suitable for harsh construction conditions

**Track
conditions.
Monitor
progress.
Reduce risk.**