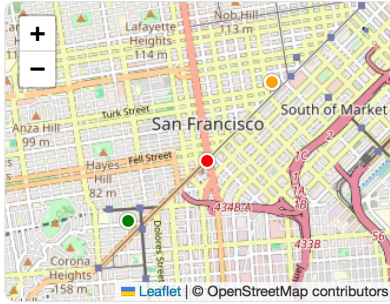


Route Map

Assigned locations with priority coloring



Calibrate PM2.5 Sensor - Station 12

P1

Lat 37.77490 · Lng -122.41940

Assigned

Open >

Calibration

Cleaning

Replacement

Replace NO2 Module - Station 5

P2

Lat 37.78400 · Lng -122.41000

In-Progress

Open >

Calibration

Cleaning

Replacement

Clean Intake - Station 8

P3

Lat 37.76800 · Lng -122.43100

Assigned

Open >

Calibration

Cleaning

Replacement

Real-time Sensor Status

Assigned stations overview

Station 12 PM2.5

Last: 21.4 $\mu\text{g}/\text{m}^3$

OK

Station 5 NO2

Last: 19.1 ppb

WARN

Station 8 MIX

Last: 0.91 m/s

OK

Station 14 O3

Last: 31.7 ppb

OK

AirShed Intelligence

Real-time Monitoring

Live

Search sensors, locations, alerts...

Admin

10

Export

NAVIGATION

Dashboard

Sensors12

Analytics

Users

Reports

Settings

Maintenance3

Dashboard Overview

Real-time air quality monitoring across all stations

Last updated: 01:41:39

Online Sensors

8

of 12 total

Avg Battery

39%

across all sensors

Avg Uptime

95.6%

last 30 days

Active Alerts

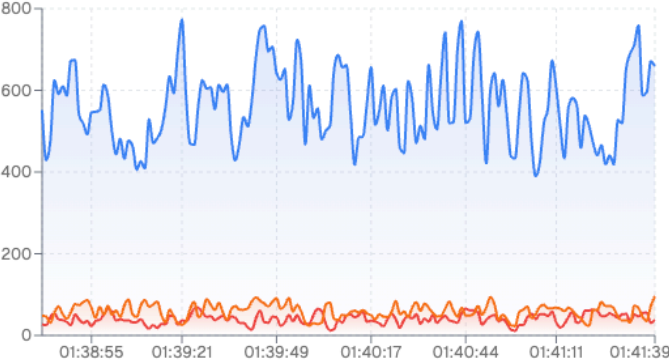
6

4 critical

Live Data Stream

Real-time air quality measurements

WebSocket Active



Sensor Network Status

Recent Alerts

Quick Actions

Manage Sensors

View and configure stations

View Analytics

Trends and insights

Schedule Maintenance

Manage service calendar

System Health

Data Quality

95%

Network Status

98%

Storage Usage

67%

City Planning

- AirShed Intelligence
- Executive Overview
- Pollution Analytics
- 3D Heatmap
- Urban Planning Tools
- Policy Simulation
- Compliance Monitoring
- Public Transport
- Citizen Engagement
- Emergency Response
- Reporting & Docs



Executive Overview / AirShed Intelligence



Export PDF

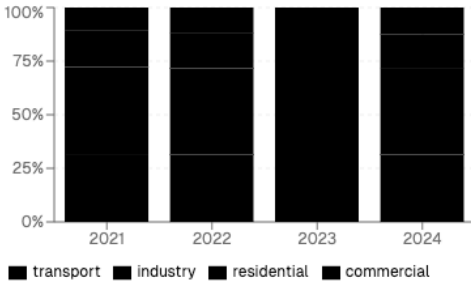
City-wide AQI (YoY)

86 -7% YoY



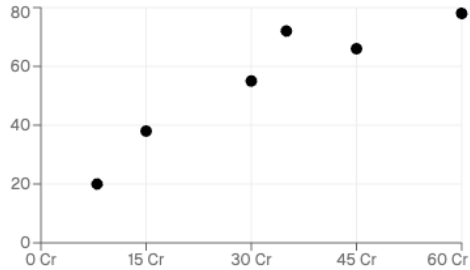
Carbon Emissions by Sector

MtCO₂e



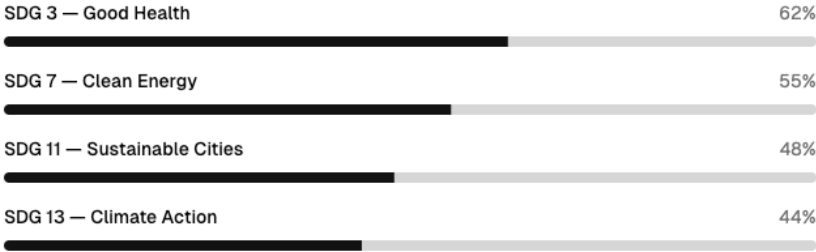
Budget vs. Impact

Programs Efficiency



Progress towards SDG Goals

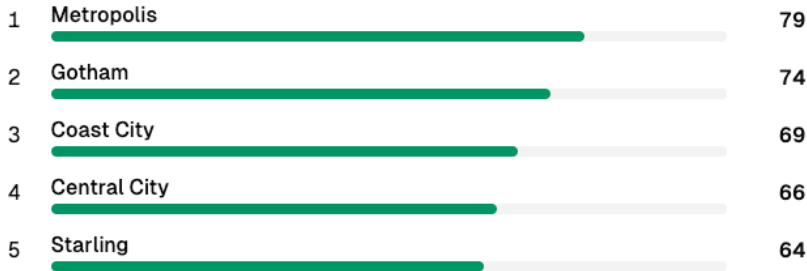
City Alignment



Targets reflect adopted city plan timelines.

Comparative Ranking

Peer Smart Cities



Pollution Analytics

3D heatmaps, temporal trends, correlations

Open Analytics

3D Heatmap

Urban Planning Tools

Zoning overlays, green corridors, buffers

Open Planning Tools

Policy Simulation

What-if scenarios, cost-benefit, impacts

Run Simulations

Navigation

- Overview
- Patient Risk
- Hospital Planning
- Vulnerable Populations
- Clinical Decision Support
- Public Health
- Research & Analytics
- Telemedicine
- Insurance & Billing
- Quick Tools
- AQI Map
- Medication Inventory
- ED Load
- Admissions
- Forecasts
- Protocols

- Compliance
- Privacy & Security
 - Audit Logs
 - Data Exports

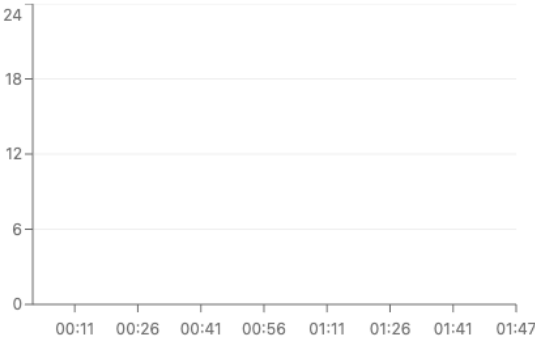


Health Surveillance Dashboard

Linking air quality with healthcare outcomes. Patient privacy by default.

Real-time Respiratory Admissions

Respiratory illness admissions stream



Pause

Predictive Alerts

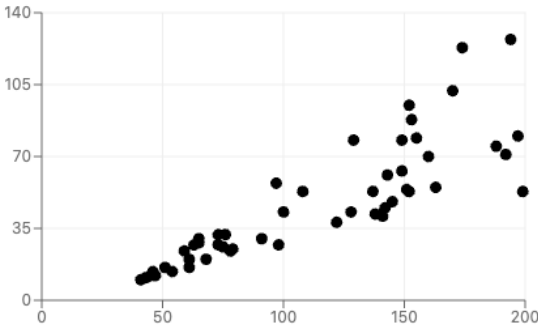
Expected surge readiness

Stable

No surge expected in the next 24 hours based on current AQI and admissions trend.

AQI vs Hospital Visits

Scatter of AQI vs hospital visits



Age-group Vulnerability

Demographic breakdown

