

Wednesday, 27 March

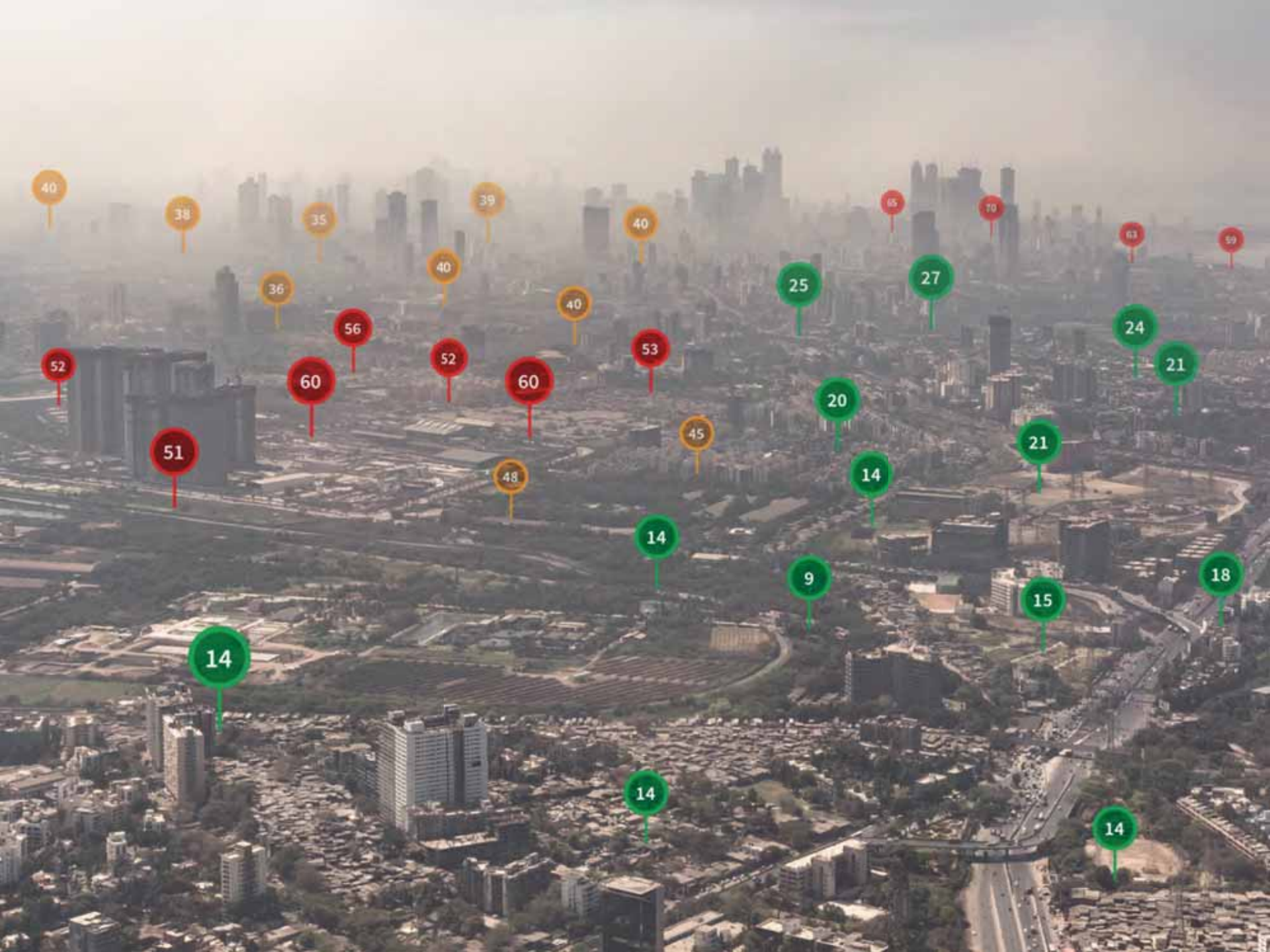
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InterAir 2: Air Quality in the Urban Environment: Monitoring & Measurement

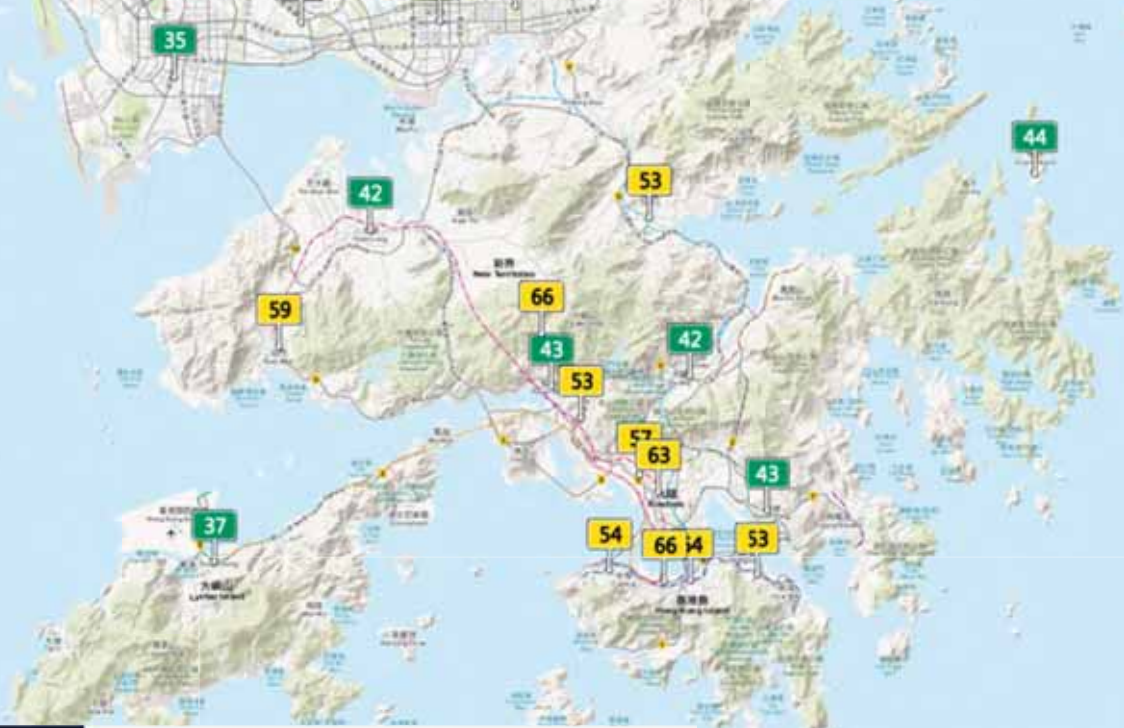
**Environmental Intelligence platform for odour and air quality management of smart cities**

Bennett Oprysa, Chief Technology Officer, Envirosuite





Station	Carbon Monoxide (8hr Av) (ppm)	Nitrogen Dioxide (1hr Av) (ppm)	Ozone (1hr Av) (ppm)	Sulfur Dioxide (1hr Av) (ppm)	Particles TSP (24hr Av) (ug/m <sup>3</sup> )	Partic PM10 (24hr Av) (ug/m <sup>3</sup> )
Mountain Creek		0.002	0.022			22.3
Deception Bay		0	0.023			
Wynnum		0.001		0.003		11.7
Wynnum West				0		13.1
Lytton				0		15.8
Cannon Hill			0.022		22.5	13.8
Brisbane CBD						5.1
Woolloongabba	0.4	0.019				14.5
South Brisbane	0	0.01				18.9
Rocklea		0.003	0.026			13.2
Springwood		0.001	0.017	0.002		9.2
North Maclean		0	0.025			
Southport		0.002	0.024			17.9
Flinders View		0.006	0.026	0		13.1



## Nitrogen Dioxide Concentrations

Location: BT03 - Shane Court

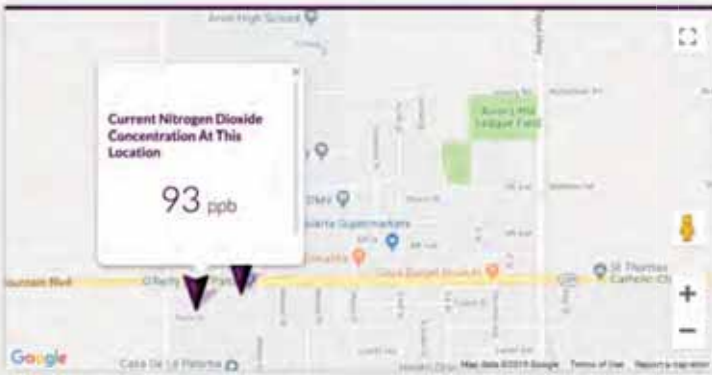
PM 2.5

Ozone

Nitrogen Dioxide

VOCs

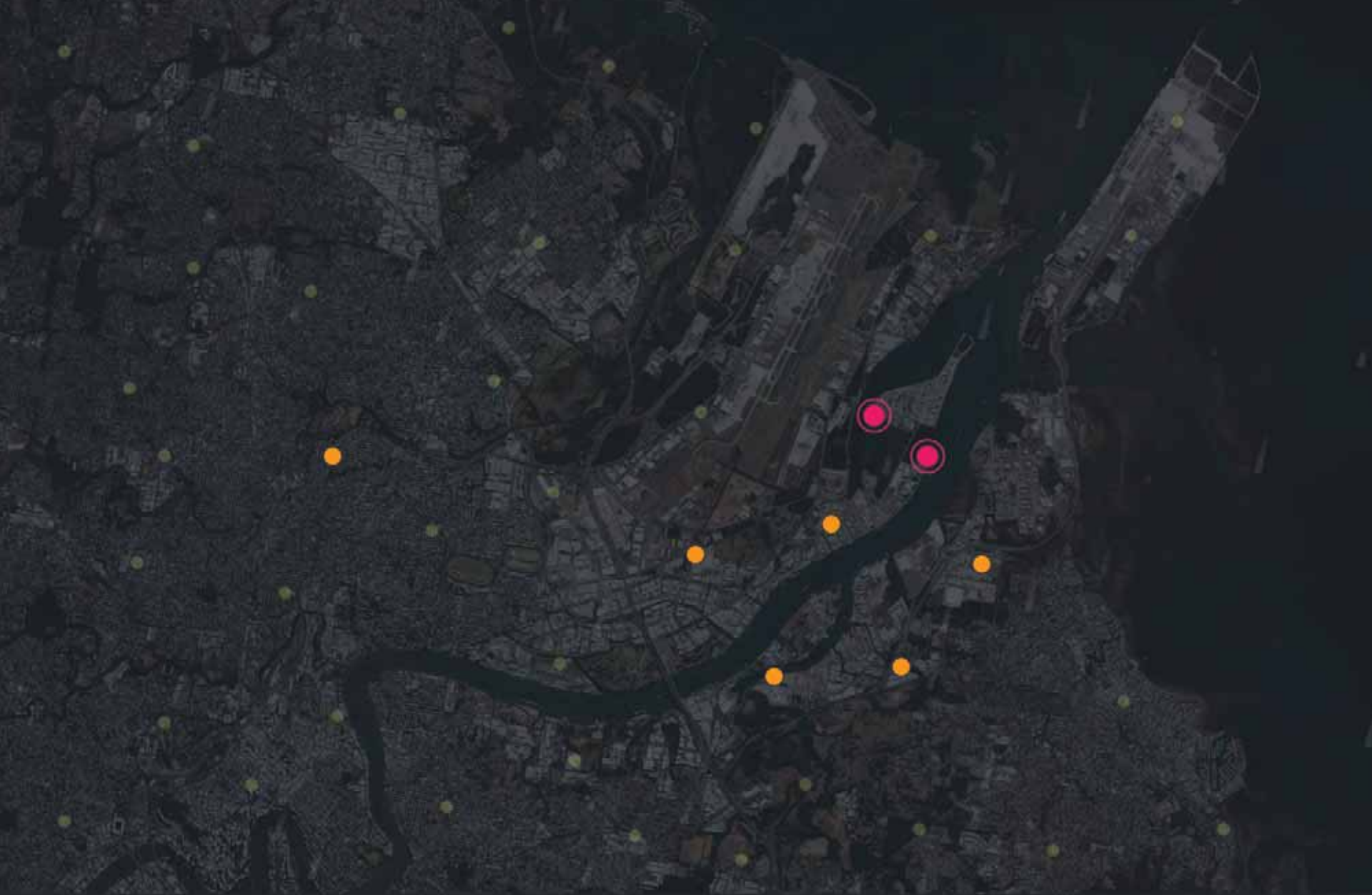
PM 10



### Pollutant Concentrations



Good (µg/m <sup>3</sup> )	Moderate (µg/m <sup>3</sup> )	Unhealthy for Sensitive Groups (µg/m <sup>3</sup> )	Unhealthy (µg/m <sup>3</sup> )	Very Unhealthy (µg/m <sup>3</sup> )	Hazardous (µg/m <sup>3</sup> )
121	97			90	
121	98			89	
122	99			89	
122	100			87	
123	100			83	
120	100			81	
116	99			76	
105	96			72	
95	90			69	
89	83			66	
83	76			65	
81	73			63	
76	67			60	
66	63			63	
67	63			64	
66	62			60	
65	62			56	
65	60			55	
67	61			54	
67	60			56	
66	60			54	
65	59			53	
64	59			55	
63	59			55	



48

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AQI

WD

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FILTER

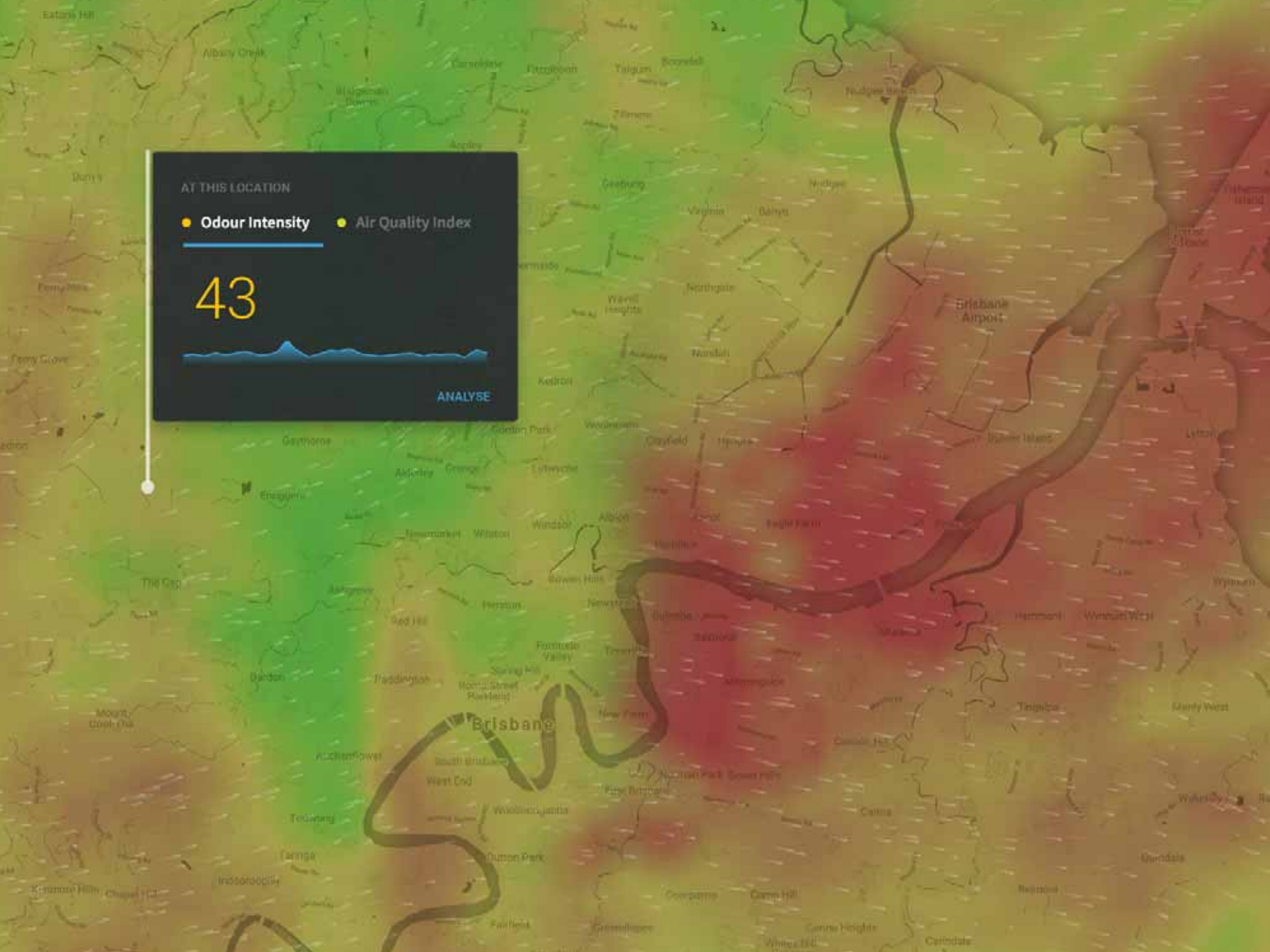
AT THIS LOCATION

● Odour Intensity ● Air Quality Index

43



ANALYSE



# Backtrack



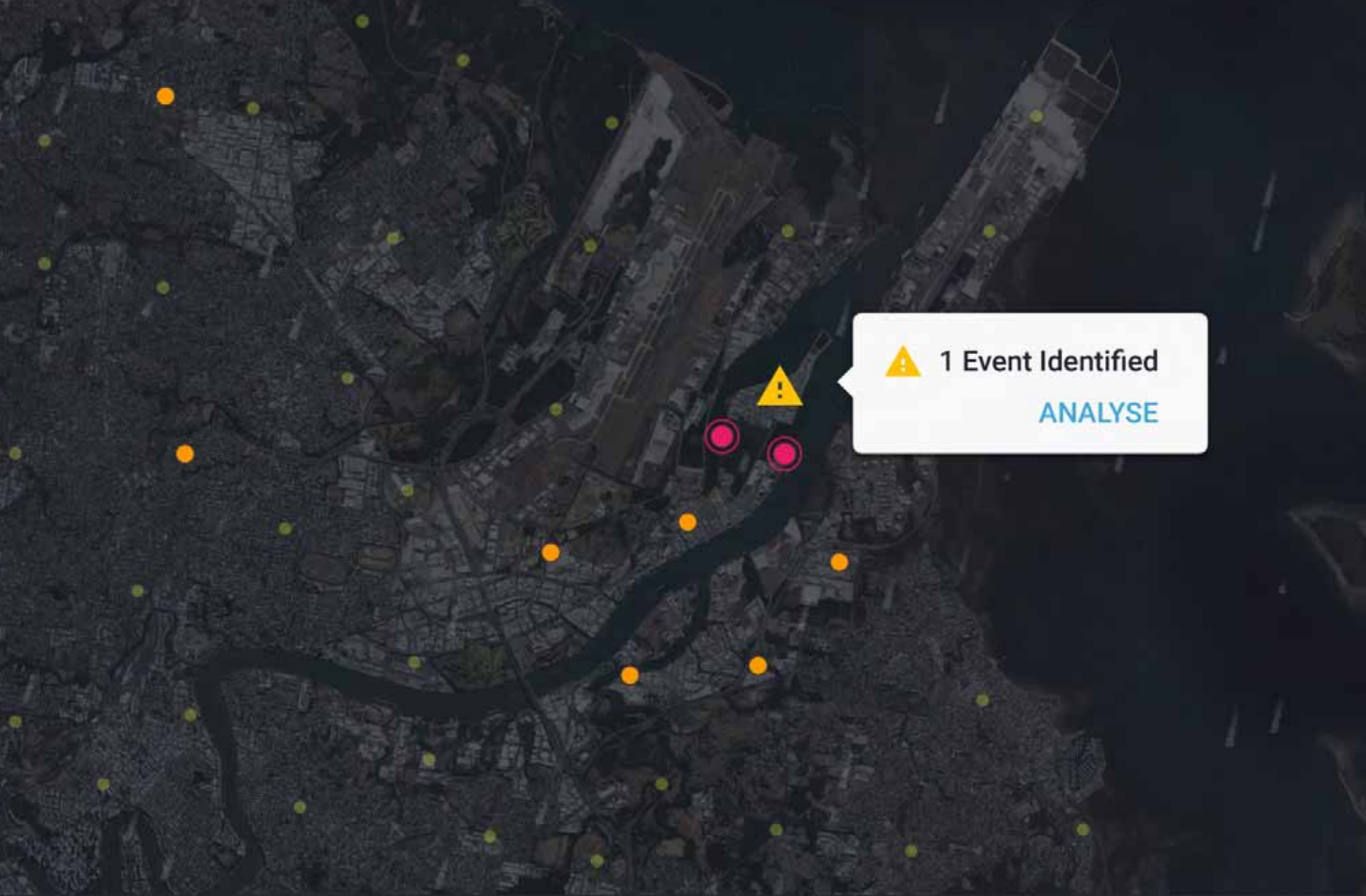
Backtrack #1207  
Jan 17, 2019 - 3:45pm



Create new annotation







⚠️ 1 Event Identified  
[ANALYSE](#)

# + Impact Quantification

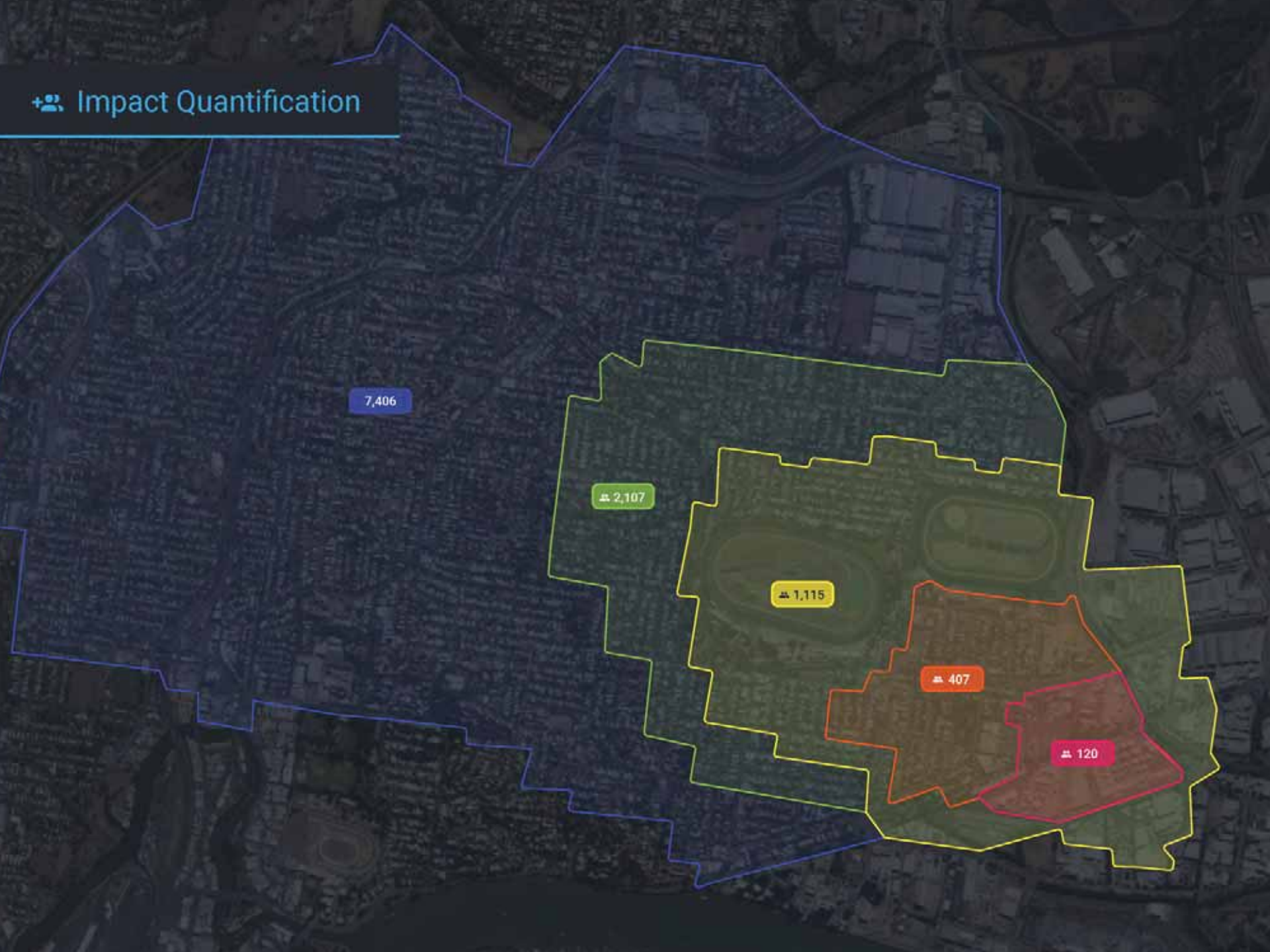
7,406

2,107

1,115

407

120







Map

envirosuite

Alerts, Settings, and other icons

Grouping Pollutant Monitor

Grouping	Pollutant	Monitor
0000R		
Monitor 1	2.40	
Monitor 2	1.90	
Monitor 33	1.75	
Monitor 4	0.65	
Monitor 11	0.50	
Monitor 29	0.40	
Monitor 22	0.40	

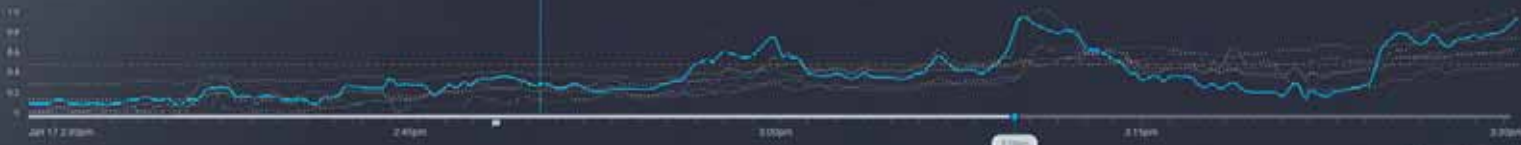
4733 Ozone Event Trigger 03  
2:50pm - Jan 17, 2018  
7 Impacts | Data

Jan 17, 2018 - Jan 24, 2018  
7 Impacts | Data

Jan 17 2:50pm

NO<sub>x</sub> Background PM<sub>2.5</sub> Sulfur Dioxide

2:50pm Jan 17, 2018 - 3:00pm Jan 24, 2018



NO<sub>x</sub> PM<sub>2.5</sub> Sulfur Dioxide

SOURCE ID

WITH SELECTED

FILTER

27° Refresh Refresh Settings

