Omniflow

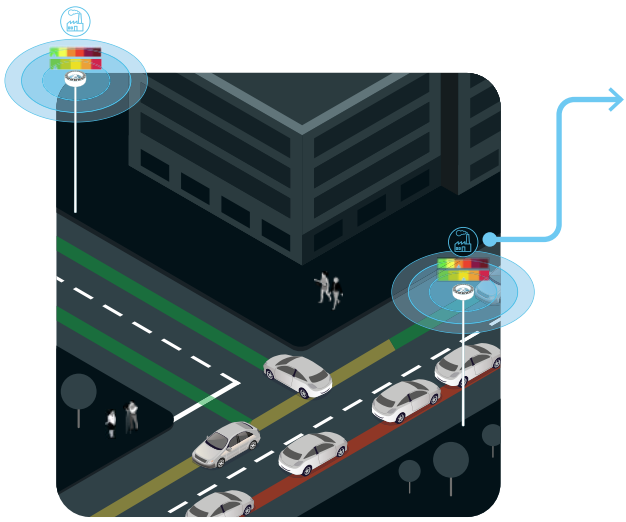
AIR QUALITY MONOTORING

sustainable solutions
for smart city

www.omniflow.io

AIR QUALITY MONOTORING

As cities expand and traffic congestion worsens, the combustion of fossil fuels in vehicles becomes a significant contributor to air pollution. To combat this challenge effectively, **accurate and real-time data on roadside air quality is indispensable.** This is where Omniflow's Air Quality Sensor steps in, providing a comprehensive solution for monitoring pollution caused by the combustion of fossil gases in traffic.

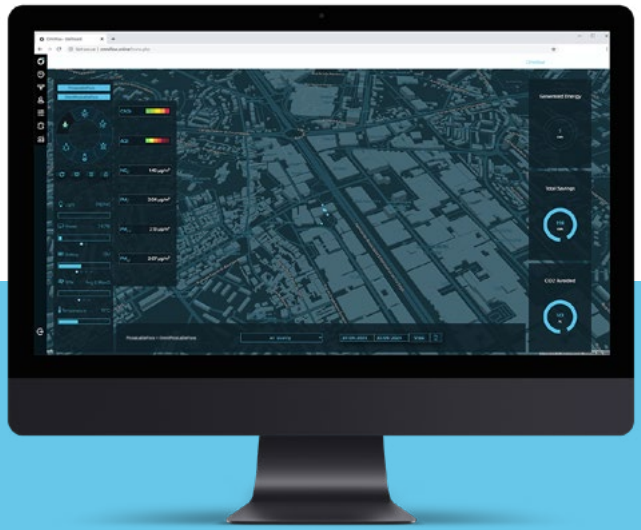


The Omniflow Air Quality Sensor measures various pollutants critical for assessing air quality near roadways. It detects particulate matter (PM_1, $PM_{2.5}$, and PM_{10}), which are microscopic particles released during combustion processes, as well as nitrogen dioxide (NO_2), a harmful gas emitted predominantly by vehicles. This comprehensive monitoring capability ensures a holistic understanding of roadside air pollution.

Smart Features for Smarter Decisions

Our system of traffic analytics pairs perfectly with air quality monotoring to see how traffic affects air quality. This helps cities plan better and keep pollution in check.

All the data our sensor collects zips straight to Omniflow's servers. There, we crunch the numbers and make it easy to understand on our OmniConnect platform. You can see how's the air quality is at a glance and check how it's been over time.



Technical Data	Air Quality Sensor
Gas	**NO_2**
Range	**0 - 1000 µg/m³**
Resolution	**0,01 µg/m³**
Particles	**PM_1 I $PM_{2.5}$ I PM_{10}**
Range	**0 - 500 µg/m³**
Resolution	**0,01 µg/m³**

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