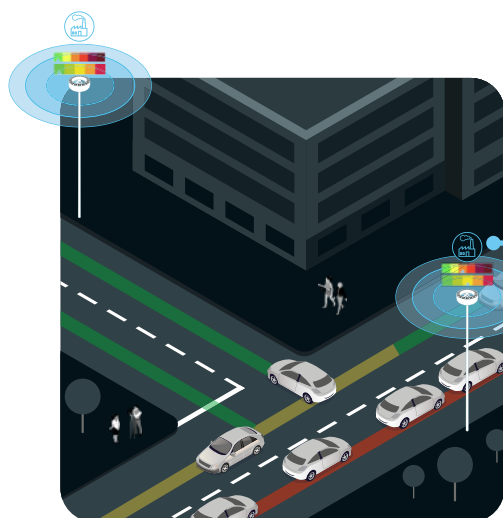


AIR QUALITY MONITORING



AIR QUALITY MONITORING

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.



Smart Features for Smarter Decisions

Our system of traffic analytics pairs perfectly with air quality monitoring 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.

BUILT-IN SENSORS



The **Omniflow Air Quality Sensor** measures several pollutants that are critical for assessing air quality near roads. It detects particulate matter (PM1, PM2.5, and PM10), which are microscopic **particles** released during combustion processes, as well as **nitrogen dioxide (NO2)**, a harmful gas emitted primarily by vehicles, in addition to **temperature**. This comprehensive monitoring capability ensures a holistic understanding of roadside air pollution.



Technical Data	Air Quality Sensor
Gas	NO ₂
Range	0 - 1000 µg/m ³
Resolution	0,01 µg/m ³
Particles	PM ₁ PM _{2.5} PM ₁₀
Range	0 - 500 µg/m ³
Resolution	0,01 µg/m ³

