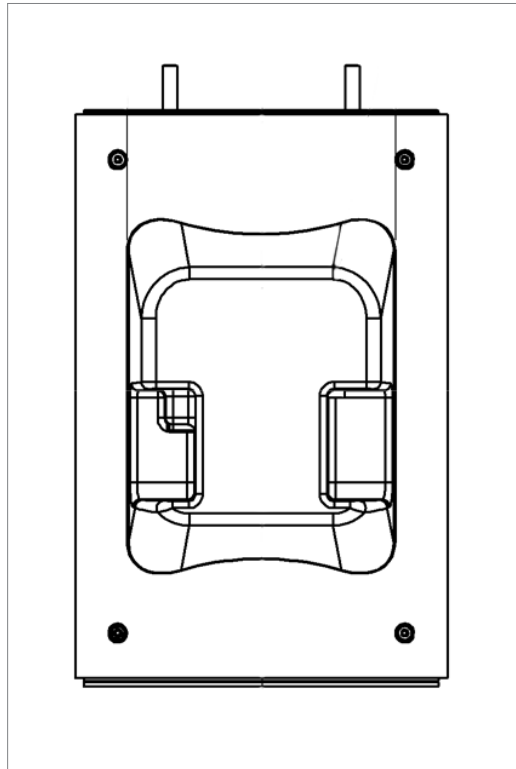




RENDER



AIR QUALITY, FRONT VIEW



Air Quality

ENVIRONMENT

Tiny particles from industrial activity, exhaust fumes, building heating and pollen all pose a risk to people as they navigate public spaces. In extreme cases, poor air quality can contribute to respiratory and coronary diseases, and even lung cancer. As such, measuring the Air Quality Index (AQI) is an essential function of every Smart City.

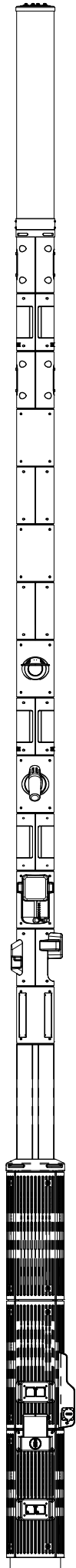
The Air Quality SCS accommodates particle and dust sensors that gather AQI data in real-time. The current sensor models used are heat and humidity-resistant and designed to perform in a range of outdoor environments.

As a reference, AQI values run between 0 to 500, with an AQI value of 500 representing hazardous air quality. Good-to-moderate air quality ranges between 0 to 100.

Equipment List

Devices used for Air Quality are as follows:

- OPC-N2 Particle Matter Dust Sensor
- Libelium Smart City Pro Waspmote



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THE TECHNOLOGY ACCOMMODATED BY THE SMART.NODE™ IS CONTINUOUSLY EVOLVING. ENE.HUB CAN INVESTIGATE THE ACCOMMODATION OF ADDITIONAL SCS DEVICES.

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