



# Healthy Living Analytics

Leveraging technology to save and improve lives

## CHALLENGE

Economic and population growth in cities around the world have resulted in large increases in vehicle use, industrial activities, and energy consumption, leading to pervasive urban air and noise pollution.



The World Health Organization cites that exposure to outdoor air pollution is responsible for killing approximately 4.2 million people per year, and that nine out of ten people breathe air that the WHO deems as highly polluted<sup>1</sup>



The U.S. Department of Transportation cites that congestion has been increasingly getting worse year-over-year in 85 of the largest metropolitan areas<sup>2</sup>



More than 28% of all greenhouse gas emissions come from transportation, and the transportation sector is the largest source of gas emissions in the United States<sup>3</sup>

Currently, most cities measure air pollution using a collection of large environmental monitoring stations. However, while these stations are accurate in measuring air quality data, their high cost often limits deployment and results in coverage gaps. Besides, these stations are static and may not capture isolated or localized pockets of harmful pollutants within a community.

## SOLUTION

IntelliSite's SCaaS™ for Healthy Living uses proprietary AI-enabled IoT to help community officials implement an alternative way to efficiently and cost-effectively monitor, measure, and manage pollution levels and other important environmental factors. IntelliSite provides officials the valuable insights they need for the development, management, and enforcement of methodologies designed to decrease pollutants, while also providing the community with real-time data on how best to manage a community's health and operations. Through IoT sensors and cameras, IntelliSite enables communities to monitor and track:



**AIR QUALITY**  
(dust particle concentrations, pollution, carbon monoxide, etc.)



**WATER DETECTION, LEVELS, AND QUALITY**



**NOISE POLLUTION**



**LUMINOSITY LEVELS**



**TEMPERATURE AND HUMIDITY**



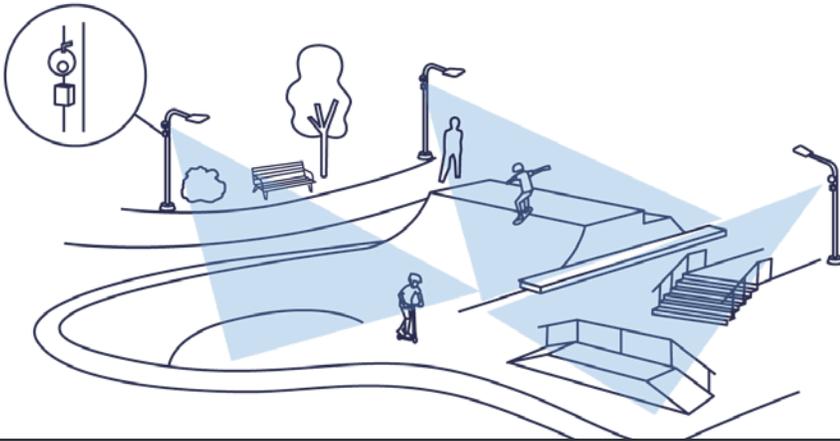
**FUEL AND WATER TANK PRESSURE**



**AIR DIRECTION AND VELOCITY**

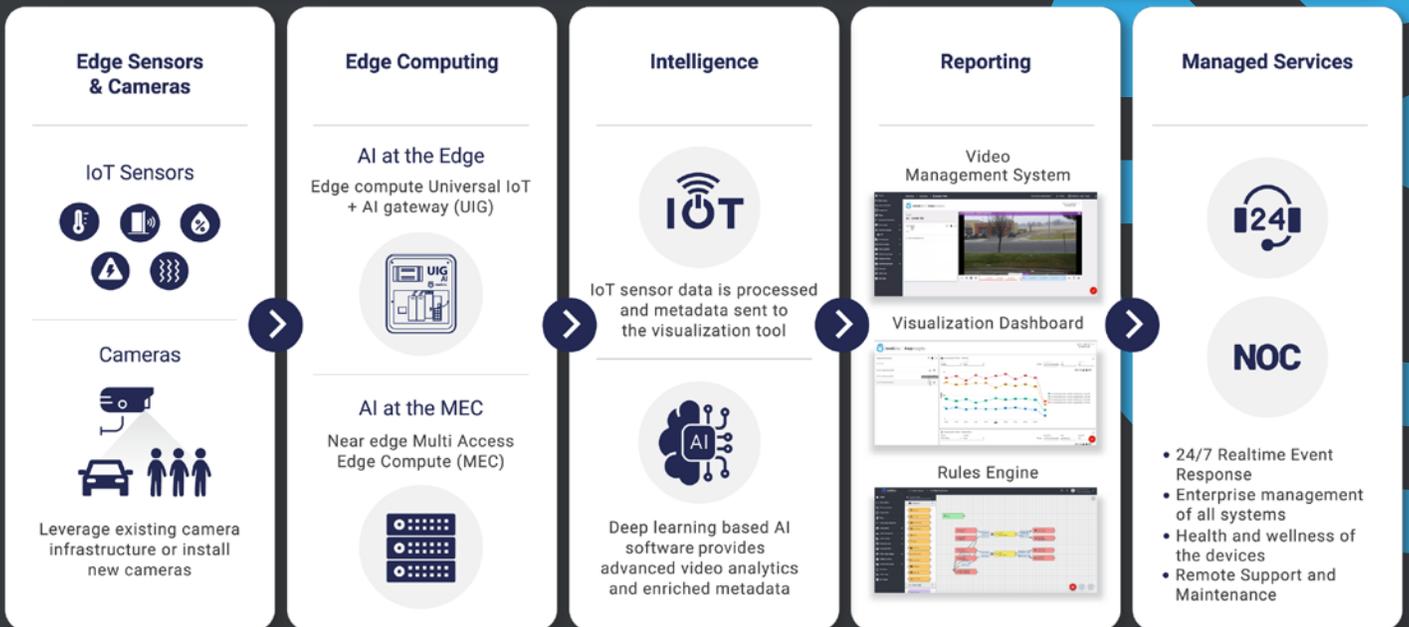


# ARCHITECTURAL DIAGRAM



IntelliSite's SCaaS for Healthy Living can add any combination of IoT sensors to monitor desired outcomes; including monitoring air quality and CO2 emissions in local parks.

## THE MOST COMPLETE SOLUTION



## MAKING SMART COMMUNITIES AFFORDABLE



IntelliSite's unique offer of "Smart Community as a Service" (SCaaS) enables cities and municipalities to benefit from our technology with an affordable monthly fee. SCaaS eliminates the initial capital expenditure and combines the cost of the all the solution components:

- Edge compute UIG hardware
- Our innovative IntelliSite software suite
- IntelliCare™ 24/7 remote agent monitoring
- HD cameras
- IoT sensors

All-in-one simple price that's only a few hundred dollars per month provides a very low barrier to access cutting edge security technology powered by AI and IoT.