

# The two pillars of air quality management

Severe pollution events often occur when local weather phenomena exert more influence than larger-scale meteorological patterns. There are two major assessments that communities should utilize in order to monitor local pollutants:



## 1 Atmospheric boundary layer (ABL) assessment

**Benefits:**

- Excellent awareness of pollutants and their travel
- Improved assessment of danger to communities

**Key assessment technology**



**Vaisala CL51 Ceilometer:**  
The industry's leading ceilometer; an accurate, means of directly measuring the ABL



## 2 Wind assessment

**Benefits:**

- Improved understanding of complex patterns within the ABL
- Reduced uncertainty
- Improved decision making

**Key assessment technology**



**Vaisala Windcube®**  
The industry-standard vertical profiler



**Vaisala WindCube® Scan**  
3D scanning for reliable, detailed spacial wind data

Observations for tomorrow's communities.