

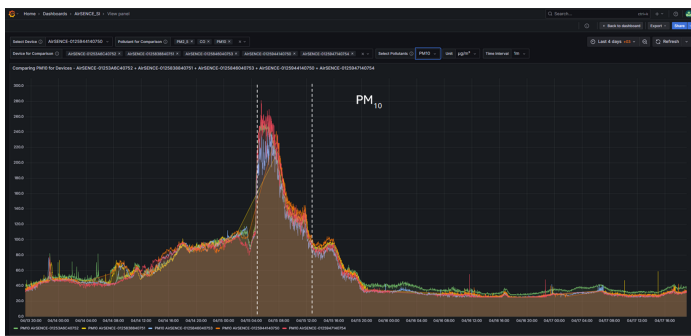
Research Reveals Connection Between Asthma and Ambient Air Quality

A [major European study](#)¹ led by researchers from the Karolinska Institute in Sweden analyzed data from 14 European cohorts to investigate how urban environmental factors—such as air pollution, the built environment, and ambient temperature—affect the risk of developing asthma. More than 7,400 cases of asthma were identified among over 349,000 participants, whose ages ranged from birth to over 70 years. The findings suggest that both children and adults living in areas with higher levels of particulate matter (PM) and nitrogen dioxide (NO₂) face an increased risk of developing asthma, along with other contributing factors such as limited green space, dense urban development, and artificial light at night.



The Karolinska Institute²

AirSENCE Stands Strong as Sandstorm Sweeps Doha



Doha AirSENCE PM₁₀ Reading

On the morning of April 15, 2025, a [severe sandstorm](#) developed near Doha, Qatar, followed by strong afternoon winds. AirSENCE devices across the city recorded a sharp rise in particulate matter (PM), with PM₁₀ levels spiking between 5:30 and 6:00 a.m. Concentrations peaked at 260 micrograms per cubic meter and remained above 100 for over six hours, from 5:30 a.m. to 12:30 p.m.

These measurements highlight the reliability of AirSENCE in harsh conditions. Deployed in 27 countries across six continents, AirSENCE is trusted by policymakers, researchers, and industry leaders worldwide.

AirSENCE Dust-Watch 2.0: Real-Time Air Quality, Plug-and-Play Simplicity

Accurate, reliable, and cost-effective, the [AirSENCE Dust-Watch 2.0](#) seamlessly connects via Wi-Fi or cellular, offering flexible installation options including pole-mount, wall-mount, or streetlamp-top configurations.

Pre-calibrated and simple to set up, it also tracks key weather parameters such as wind, noise, and rainfall. Powered by AC, battery, or solar, Dust-Watch 2.0 represents the next evolution in AirSENCE's trusted portfolio, backed by over a decade of global success.

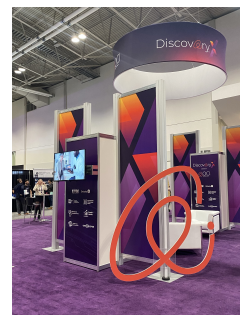
From industrial fence-line monitoring to early wildfire detection, from construction sites to environmental justice initiatives, and from smart infrastructure to smart city planning—AirSENCE Dust-Watch 2.0 delivers actionable insights every step of the way.



AirSENCE Joins Leading Innovators at Ontario's DiscoveryX Conference



AirSENCE was showcased at the [DiscoveryX Conference](#) this April. As Canada's leading innovation event, DiscoveryX highlights the strength of Ontario's innovation ecosystem.



¹"External exposome and incident asthma across the life course in 14 European cohorts: a prospective analysis within the EXPANSE project" by Yu, Zhebin et al. The research is licensed under the [CC BY 4.0 license](#). © 2025 The Author(s). Published by Elsevier Ltd.

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