

Urban Airflow Optimization using AI-Powered Simulation

This invention presents a solution to improve urban air quality through AI-powered simulation of airflow in dense metropolitan areas. Using real-time sensor data, satellite imagery, and historical pollution patterns, the system models air circulation and recommends architectural or green infrastructure modifications. Applications include urban planning, smart city design, and pollution mitigation. This addresses SDG 11 (Sustainable Cities), SDG 3 (Health), and SDG 13 (Climate Action).