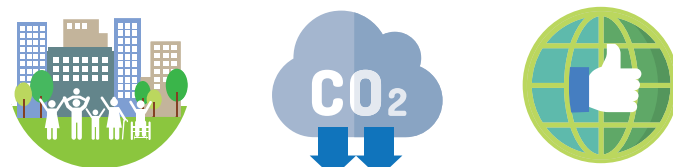


June 2021

CLEAN AIR PLAN for Hong Kong 2035

Vision



Healthy Living **Low-carbon Transformation** **World Class**

Target

BY 2035 Become a liveable city with air quality on par with major international cities

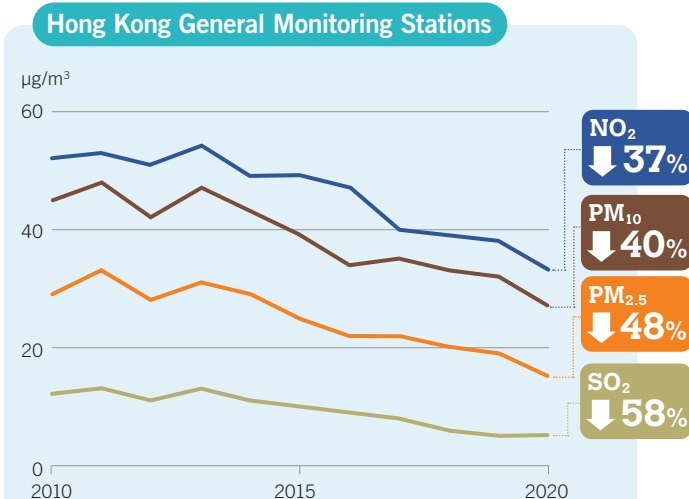
ULTIMATE GOAL Air quality to fully meet the ultimate targets under the Air Quality Guidelines of the World Health Organization



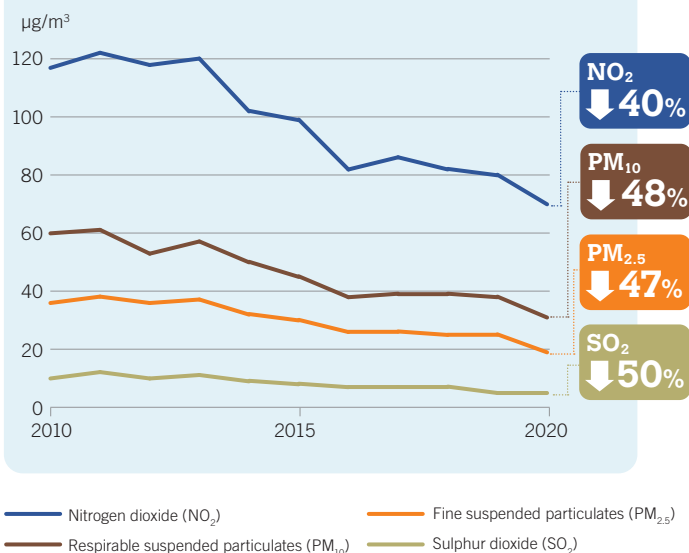
Review the Air Quality Objectives every five years
Assess the effectiveness of measures with a view to progressively tightening Hong Kong's Air Quality Objectives

Progress

Air Quality Improvements (2010-2020)



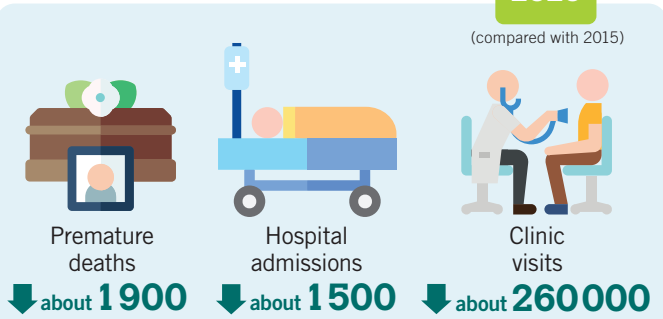
Hong Kong Roadside Monitoring Stations



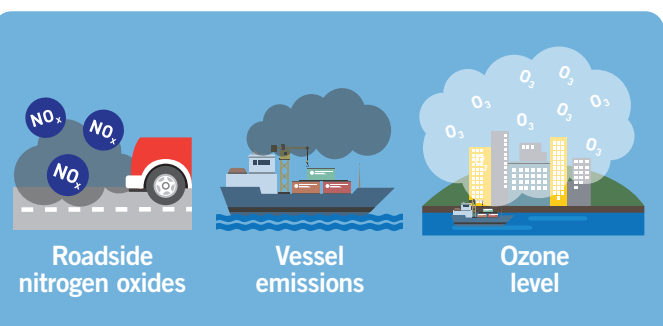
Improvements in Hours of Reduced Visibility



Health Benefits of Air Quality Improvement



Challenges Ahead

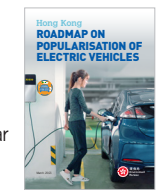


Six Major Areas of Action

Green Transport

EV Roadmap

Take forward measures set forth in the Hong Kong Roadmap on Popularisation of Electric Vehicles to attain zero vehicular emissions before 2050



Environmentally Friendly New Development Areas

Adopt environmentally friendly transport mode in new development areas



Green Transport Network

Expand railway network to meet development needs; and implement Free-flow Tolling System at government toll tunnels and Tsing Sha Control Area by 2022



New Energy Ferries

Conduct trials for electric and hybrid ferries, and explore with ferry operators to progressively adopt new energy ferries by 2035



Liveable Environment

City Planning

Pedestrian-friendly and bicycle-friendly policies



Update professional practice notes to enhance air quality at public transport interchanges



Health Information

Update Air Quality Health Index



Embark on a research for the long term health impact of air pollution on the Hong Kong population



Comprehensive Emissions Reduction

Vehicular Emissions

Continue phasing out old diesel commercial vehicles



Subsidise franchised bus companies to conduct trials for emission reduction devices



Vessel Emissions

Explore to further tighten the sulphur content limit of locally supplied marine fuels to 0.001%, and impose emission standards for new petrol-powered outboard engines



Volatile Organic Compounds (VOCs)

Tighten the VOC content limits of architectural paints before 2024 and extend the control to cleaning products



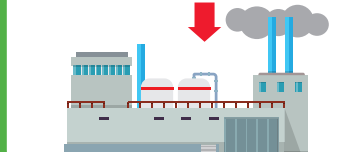
Clean Energy

Power Plant Emissions Reduction

New low-carbon electricity generation strategy under Hong Kong's Climate Action Plan



Continue to formulate Technical Memorandums to tighten emission limits of power plants under the new low-carbon electricity generation strategy



Green Energy

Inter-departmental working group to handle the work relating to the application of hydrogen energy in Hong Kong



Explore means to take forward the use of liquefied natural gas (LNG) in ocean-going vessels, and formulate technical requirements and related safety regulations and specifications for LNG bunkering in the next few years



Scientific Management

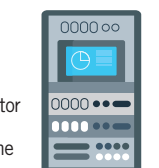
Information Dissemination

Develop a smart air quality monitoring system with integration of the Internet of Things, artificial intelligence, sensors and numerical models to provide more detailed district-based air quality information to the public

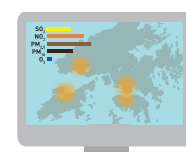


Advanced Monitoring

Adopt innovative instruments to monitor and analyse air pollutants in real time



Conduct district-based air quality monitoring to identify pollution distributions



Apply mini-sensors to monitor ambient and indoor air quality



Regional Collaboration

Regional Targets

Formulate regional emissions reduction targets for 2025 and 2030 with the Guangdong Province



Regional Monitoring and Analysis

Set up 5 monitoring sites for 3D air quality monitoring with LIDAR technology



Knowledge Exchange

Encourage exchanges among academics and talents in the Greater Bay Area to enhance technical standards



Integrate real-time VOC monitoring and conduct ozone pollution research to better understand ozone characteristics and formation



Please scan this QR code for the Clean Air Plan for Hong Kong 2035



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