



SMART FLOATING ISLAND BRIEFING ON IDEAS FOR SOLVING THE AIR POLLUTION PROBLEM

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How to solve air pollution



How to solve air pollution caused by industrial emissions

- 1. TECHNOLOGICAL INNOVATION AND UPGRADING:** USE ENERGY-SAVING EQUIPMENT, CONTROL EMISSIONS, AND PROMOTE THE APPLICATION OF GREEN ENERGY.
- 2. STRENGTHEN SUPERVISION AND LAW ENFORCEMENT:** THE GOVERNMENT SETS STRICT EMISSION STANDARDS, STRENGTHENS SUPERVISION AND LAW ENFORCEMENT, PUNISHES ILLEGAL ENTERPRISES, AND ENCOURAGES PARTICIPATION IN EMISSION REDUCTION.
- 3. PROMOTE CLEANER PRODUCTION:** ENTERPRISES IMPLEMENT CLEANER PRODUCTION, OPTIMIZE PROCESSES, REDUCE POLLUTANTS, AND RECYCLE RESOURCES.
- 4. PROMOTE ENVIRONMENTALLY FRIENDLY PRODUCTS AND CONSUMPTION:** CHOOSE ENVIRONMENTALLY FRIENDLY PRODUCTS, SUPPORT ENTERPRISES, AND REDUCE UNNECESSARY CONSUMPTION.
- 5. PROMOTE INTERNATIONAL COOPERATION:** JOINTLY ADDRESS TRANSNATIONAL AIR POLLUTION ISSUES, STRENGTHEN COOPERATION, AND SHARE TECHNOLOGY, RESOURCES, AND EXPERIENCE.



How to solve air pollution caused by traffic emissions

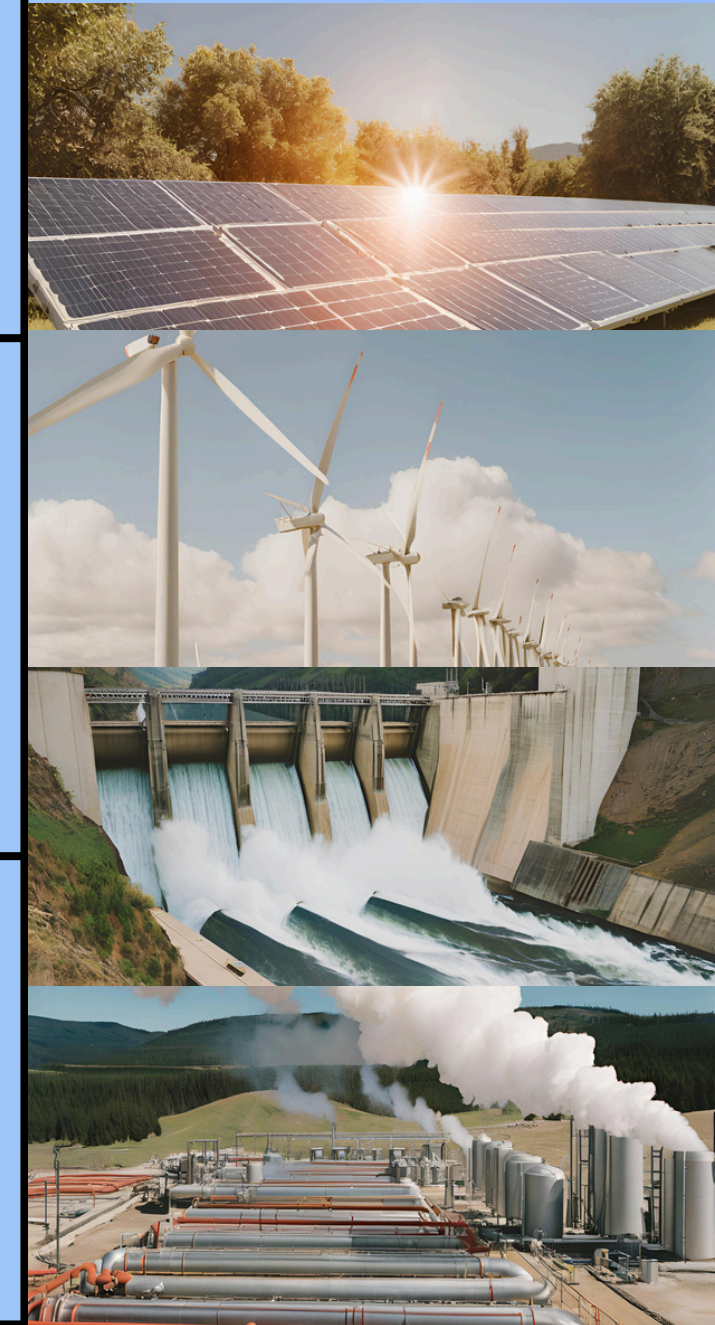
- 1. Promote public transportation:** The government strengthens the planning of the public transportation system, improves its coverage, frequency and comfort, and attracts more people to use public transportation and reduce the use of private cars. For example: buses, MRT, light rail.
- 2. Encourage the use of clean energy vehicles:** Encourage people to use clean energy vehicles such as electric vehicles and hybrid vehicles through subsidies or other incentives.
- 3. Improve transportation infrastructure:** Establish more efficient transportation facilities, including increasing bicycle lanes and pedestrian areas, setting up more public transportation points, etc., to reduce the use of private cars.
- 4. Implement traffic restrictions:** For example, restrict car access in certain areas or periods.
- 5. Promote energy-saving and emission-reduction technologies:** including improving engine efficiency and using low-carbon fuels to reduce emissions from cars and other transportation vehicles.
- 6. Promote shared transportation modes:** such as shared cars, shared bicycles, etc., which can reduce overall transportation demand and reduce emissions.
- 7. Strengthen policy and legal supervision:** Develop stricter emission standards and regulatory measures to ensure that emissions from transportation vehicles are within reasonable limits.
- 8. Promotion of education:** Through promotion and education activities, we can raise people's awareness of air pollution problems, encourage the public to change their transportation methods, and jointly reduce emissions.

HOW TO TACKLE AIR POLLUTION FROM ENERGY PRODUCTION

I. Promote clean energy transition:

Transition to renewable energy sources such as solar energy, wind energy, and hydro energy. The use of these energy sources has less impact on the environment and reduces the risk of air pollution.

solar power	<i>By installing solar panels on rooftops or building solar farms, solar energy can be harnessed to generate electricity without producing air pollution.</i>
wind power	<i>Wind power can be used to generate electricity, and wind energy is a non-polluting energy source. Wind farms are built in areas with strong winds and generate electricity by turning windmills.</i>
hydro power	<i>Hydropower is the use of water flow or water pressure, which is a clean and renewable energy source. For example: Dams can be stored and controlled to convert water energy into electrical energy through hydroelectric generators.</i>
Geothermal energy	<i>Geothermal energy is the thermal energy within the Earth that can be used to generate electricity or heat. Generating electricity from geothermal energy generally does not produce air pollution because it mainly uses the earth's natural heat energy.</i>





- **2. Improve energy efficiency: Reduce pollution emissions during energy production and use by improving the efficiency of energy use. This includes promoting energy-saving technologies and promoting efficient energy use.**



How to solve air pollution caused by domestic pollution

Reduce industrial emissions	Implement stricter emission standards and strengthen supervision of industrial enterprises to reduce the negative impact of industrial activities on air quality.
urban greening and air monitoring	Increase urban green space coverage, absorb pollutants in the air, strengthen monitoring and early warning of air quality, and take timely measures to respond to air pollution incidents.
Promote clean energy	Increase investment and use of clean energy, such as solar energy and wind energy, to reduce air pollution.

Reduce industrial emissions

Promote circular economy	Converting waste into resources, for example by recycling and reusing scrap generated during production processes, can reduce the need for virgin resources while lowering emissions.
Develop green supply chain policies	Work with suppliers and ask them to also take emission reduction measures, such as improving transportation efficiency and reducing energy use, to reduce the carbon footprint of the entire supply chain.
Introducing low carbon technologies	The introduction of new production technologies, such as carbon capture and storage technology, can help capture the carbon dioxide emitted by factories and store it or use it for other purposes.
Use clean energy	Switch to renewable energy sources, such as solar, wind or hydropower, to replace the use of fossil fuels for electricity generation. This can significantly reduce emissions of greenhouse gases such as carbon dioxide.

Urban greening and air monitoring

<p>Create urban parks and green spaces</p>	<p>Increasing the area of urban green space will provide citizens with places for leisure and exercise, while absorbing carbon dioxide in the air and improving air quality.</p>
<p>Plant trees and lawns</p>	<p>Planting trees and lawns on city streets, squares and around buildings can absorb pollutants in the air, reduce the urban heat island effect and lower urban temperatures.</p>
<p>Promote community gardening and urban agriculture</p>	<p>Residents are encouraged to participate in community gardening activities and grow vegetables, fruits and other plants, while promoting the development of urban agriculture and improving the level of urban greening.</p>
<p>Protect natural ecosystems</p>	<p>Protecting natural ecosystems around cities, such as forests, wetlands, and rivers, can provide ecological services, help regulate urban climate and improve air quality.</p>

Promote clean energy

solar panel

Installing solar panels in homes and businesses is a common way to promote clean energy. These panels can convert sunlight into electricity and reduce dependence on traditional energy sources.

wind power

Building wind farms can convert wind energy into electricity. This plays an important role in reducing the demand for fossil fuels and reducing carbon emissions.

smart grid

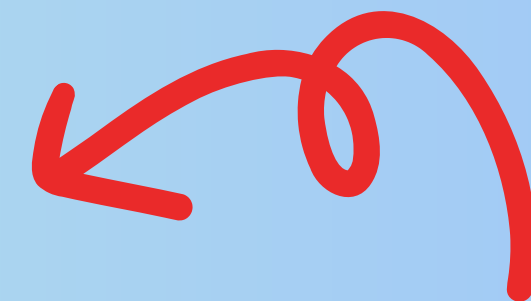
Applying technology to power networks to make them more efficient and sustainable is another important aspect of promoting clean energy. This includes the use of smart meters, energy storage systems and automation systems to better manage energy supply and demand.

energy efficiency improvements

By improving the energy efficiency of buildings and equipment, we can reduce the amount of energy wasted, thereby reducing the demand for traditional energy sources. This includes using technologies such as efficient lighting, insulation and energy-efficient appliances.

USE TECHNOLOGY TO SOLVE PROBLEMS

Using smart air
pollution sensors



air pollution sensor

Thank You



THANK YOU

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