

# CONTROL EMISSIONS OF POLLUTANTS

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# PLAN

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# Introduction

Combustion, metal machining, chemical processes, material handling – the number of pollutants occurring in connection with industrial processes is abundant. Here, it is critical to protect the immediate and wider environments from these contaminants in order to preserve assets, the natural world, and even life itself.

## Characteristic features:

- \* possibility of measurement visualization within any time horizon,
- \* archiving of data and generating of accounting reports,
- \* application to various branches of industry,
- \* system parametrizing,
- \* possibility of accommodation to international standards,
- \* modern technological solutions,
- \* maximum system protection against the effect of external factors,
- \* real-time distributed system.

# 1.Types of emissions

Emissions of many air pollutants have been shown to have variety of negative effects on public health and the natural environment. Emissions that are principal pollutants of concern include:

Hydrocarbons (HC) - A class of burned or partially burned fuel, hydrocarbons are toxins. Hydrocarbons are a major contributor to smog, which can be a major problem in urban areas.



Carbon monoxide (CO) - A product of incomplete combustion, inhaled carbon monoxide reduces the blood's ability to carry oxygen; overexposure (carbon monoxide poisoning) may be fatal



Sulfur oxide (SO<sub>x</sub>) - A general term for oxides of sulfur, which are emitted from motor vehicles burning fuel containing sulfur.





## 2. Emissions control

Engine efficiency has been steadily improved with improved engine design, more precise ignition timing and electronic ignition, more precise fuel metering, and computerized engine management.

Advances in engine and vehicle technology continually reduce the toxicity of exhaust leaving the engine, but these alone have generally been proved insufficient to meet emissions goals. Therefore, technologies to detoxify the exhaust are an essential part of emissions control.

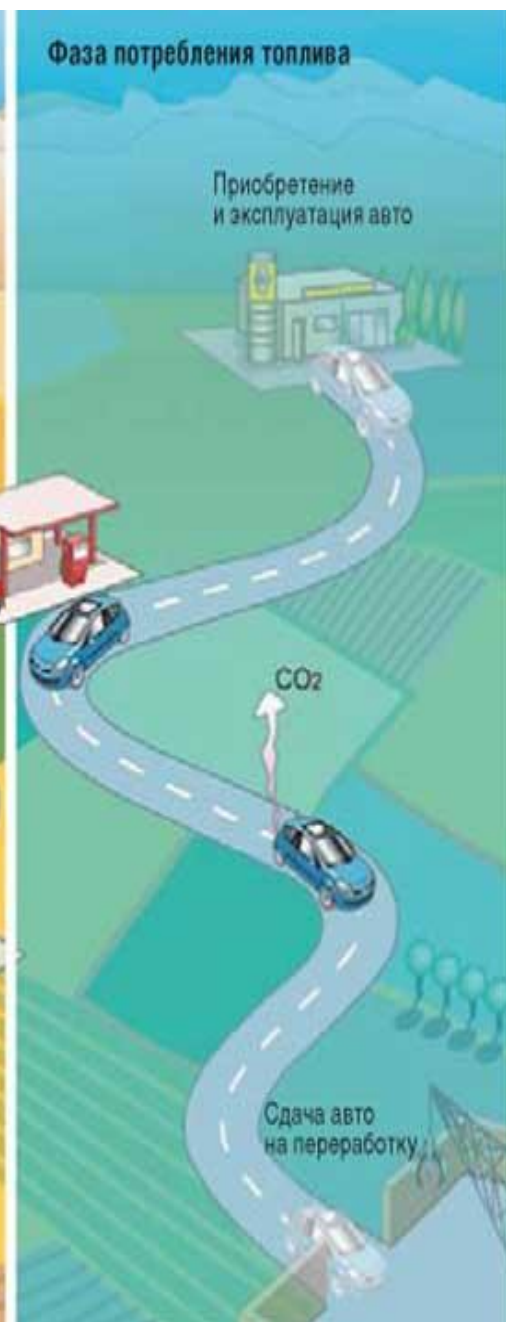
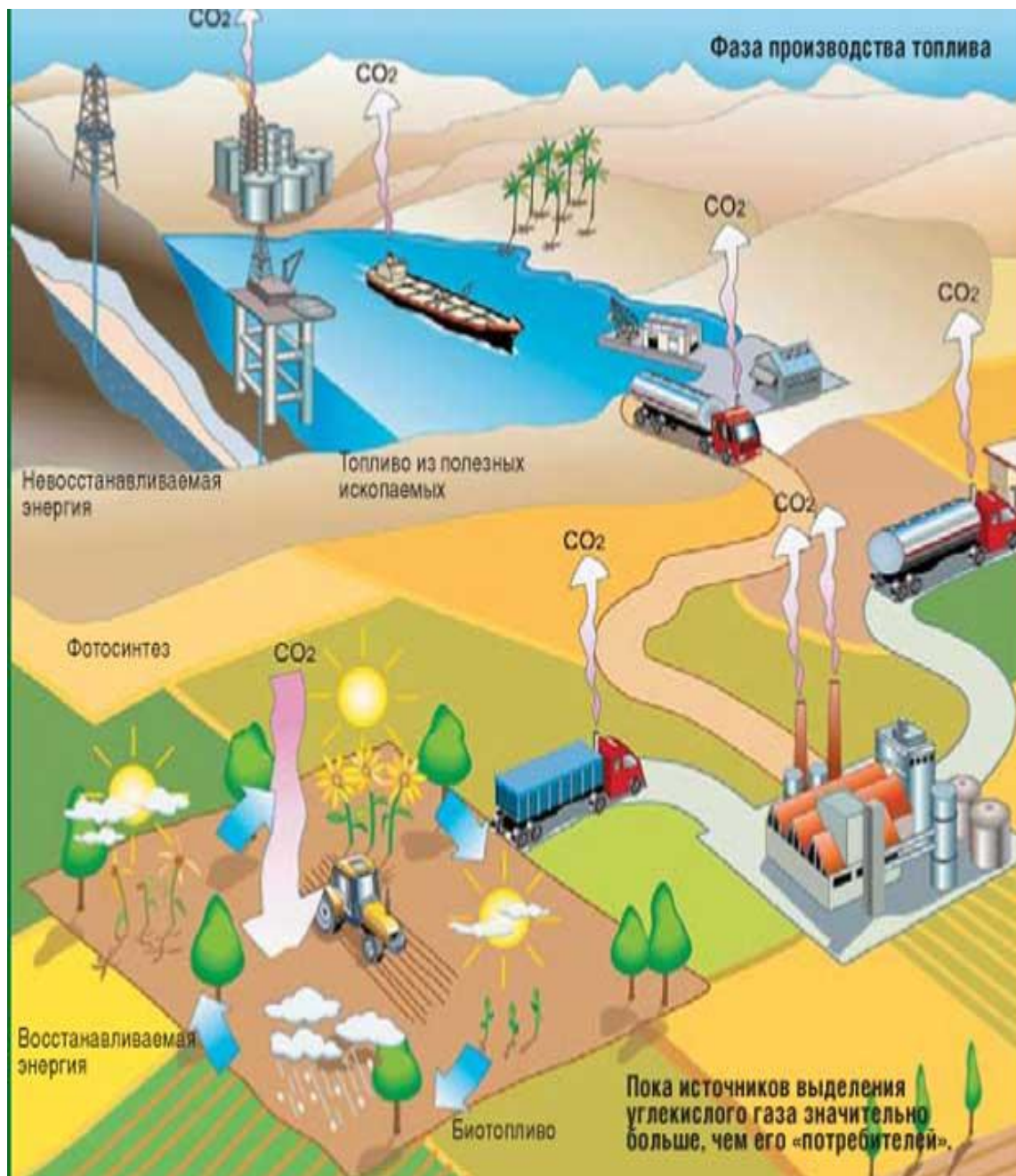


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# Conclusion

Emissions control is the attempt to control, limit, reduce or even completely remove the pollutants that we, as humans release into the earth's atmosphere from the burning of fossil fuels such as gasoline. If you do not wish to destroy the earth with pollutants from your personal car then you will want to read the following because the pollutants that we introduce into the earth's atmosphere can and will destroy the earth over a period in time.

The burning of gasoline to power the engine that drives your car down the road releases multiple pollutants, also known as emissions into the earth's atmosphere. When we speak about emissions control, we are normally referring to the gasses emitted from various systems on your personal automobile.



# THE END!

Thanks for your  
attention.