



European Commission

Horizon Prize

CLEANEST ENGINE OF THE FUTURE

COMPETE, INNOVATE & WIN €3.5 MILLION

The EU is offering €3.5 million to the person or team who develops the cleanest combustion engine.

REDUCE EMISSIONS

in real driving conditions to the lowest possible level.

On-road emissions can be 4-7 times higher than those released during lab testing.

WHY?

Around half a million EUROPEANS die prematurely every year due to AIR POLLUTION

IMPROVE AIR QUALITY IN EUROPEAN CITIES

HIGHER FUEL EFFICIENCY

and therefore lower Carbon Dioxide (CO₂) emissions

THE ENGINE

must run on gasoline, diesel or any low biofuel blends of these already available on the market.

POLLUTANTS
=
Nitrogen Oxides (NOx), particles and hydrocarbons, carbon monoxide

ENSURE EMISSION OF OTHER, NON-REGULATED POLLUTANTS ARE MINIMAL

All emissions measured with very stringent limits and test protocols

Air pollution is the top environmental risk factor behind **PREMATURE DEATHS** in Europe (EEA)

Early-life exposure to air pollution can significantly affect development and **TRIGGER ALLERGIES** and **DISEASES** such as **ASTHMA** and **DIABETES**

Exposure to air pollutants during **PREGNANCY** has been linked to reduced foetal growth, premature births and miscarriages (WHO)

THE HORIZON PRIZE CLEANEST ENGINE OF THE FUTURE

Aims to stimulate and reward the development of clean next-generation engine and powertrain technologies that run on conventional fuels and:



greatly reduce pollutant emissions



lower fuel consumption

CAN YOU CRACK THIS CHALLENGE?

Find out more at www.ec.europa.eu/horizonprize/futureengine

#horizonprize

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