



ASSOCIATION FOR EMISSIONS CONTROL BY CATALYST

Working in Partnership **for Cleaner Air**

Clean, Efficient, Convenient and
Affordable Mobility

2020-2025



Achieving Clean, Efficient, Convenient and Affordable Mobility

Robust scientific data generated from AECC projects informs decision-making on local air quality improvements through the application of modern emission control technologies.



Clean – providing technologies to minimise exhaust emissions

Clean air is a priority for all of us, and despite significant progress made over the past years, our cities are still suffering from air pollution. The biggest pollution challenge is in the urban environment. This is why authorities around the world continuously work further on emissions legislation to protect citizens in their daily lives: while travelling to work or school, or while working, studying, playing or taking part in any activity close to a busy road.

Emission control technologies have been helping to reduce vehicle emissions in the EU since the 1990s and are now available to reduce the level of pollutants to near zero under all driving conditions, regardless of the fuel used and the type of vehicle or machine.

Effective policies must address individual exposure to pollutant emissions and ensure the health and well-being of everyone. Real-world pollutant emissions from any vehicle or machine must be within the defined emission limits at every possible operating condition.



Efficient – to help minimise greenhouse gas impact globally

Climate change is a reality. Greenhouse gases (GHGs) are contributing to the warming of our planet and road transport is a contributor. The industry will continue to create technologies to increase vehicle and engine efficiency and therefore to reduce its contribution to the GHG levels.

Moreover, emission control technologies allow for the reduction of pollutant emissions, such that combined emissions reduction of nitrogen oxides (NOx) and carbon dioxide (CO₂) is possible. Today, vehicles combine the best emission controls with electrified powertrain systems, playing an important part in a cleaner urban environment.

The use of alternative and renewable fuels also lowers GHG emissions while using current technology and fuelling infrastructure.

Every GHG-related policy affecting future mobility should assess the whole life cycle of the vehicle to be able to quantify the full impact on our global environment. We need inspiring policies that match the challenges our planet is facing.



Convenient – accessible and practical to cover every mission

Convenience and accessibility are key to ensuring that those who need to drive can do so in a vehicle that meets their needs. Whether for personal use, business or services, hybrid, petrol- and diesel-fuelled vehicles will continue to provide practical mobility solutions for the EU in the foreseeable future.

Required refuelling and recharging infrastructure to support the market penetration of any new technologies must also be guaranteed in every part of the European region.

The implementation of different transport-related policies must consider how new technologies for mobility will impact all EU citizens, ensuring that appropriate choices are available to everyone, from big European cities to the countryside.



Affordable – supporting mobility for everyone

Everyone has their own priorities when choosing a vehicle. A combination of cost, efficiency, safety, comfort and style will influence customer choice, with purchasing and running costs being particularly important. They will want to continue to have these choices, even as vehicles develop in the future.

For many drivers, a liquid- or gas-fuelled vehicle is the chosen cost-effective option. With technologies to control emissions to near-zero levels and with the use of sustainable fuels, these vehicles can continue to be viable options.

Metals used in emission control catalysts can be recycled, and recycling rates are increasing, further contributing to the affordability of future vehicles.

Only a technology- and fuel-neutral approach to future vehicle legislation will create a variety of mobility offerings which suits every use case and is the only way to guarantee that an affordable solution is available to everyone.

Working in Partnership for Cleaner Air

AECC represents the European emissions control industry. Its members' technologies are integrated in the exhaust emissions control systems of cars, commercial vehicles, buses, motorcycles and non-road mobile machinery in Europe.

The changes in environment, climate, technology and demography that are transforming society and our way of life will have a profound impact on mobility. The need for clean and efficient transport which drastically reduces the production of greenhouse gases and individual exposure to harmful pollutant emissions, is a clear priority for EU society and EU citizens. This is needed for every type of vehicle and machine.

AECC is working with its members to demonstrate the capabilities of current and future emissions control technologies. AECC is working in partnership with EU policy makers and stakeholders to find the best solutions that will deliver clean, efficient, convenient and affordable vehicles for Europe.



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