

Three-Way Catalysts

For gasoline engines

A leader in clean air technology, BASF has unsurpassed expertise in the development of catalysts for a wide range of applications that protect the air we breathe.

Catalyst expertise enabled us to pioneer the development of the first catalytic converters for automobiles, which appeared on 1975-model cars.

A year later, we introduced a major innovation — the modern, Three-Way-Catalyst (TWC), which today is capable of destroying over 90% of hydro-carbons (HC), carbon monoxide (CO) and oxides of nitrogen (NOx) produced by gasoline engines.

We were awarded the National Medal of Technology and the United Nations Award of the Decade, for the development of the first three-way automotive emissions control catalyst.

Arguably the most important pollution abatement device ever invented, the catalytic converter today is a key component of most new cars around the world.

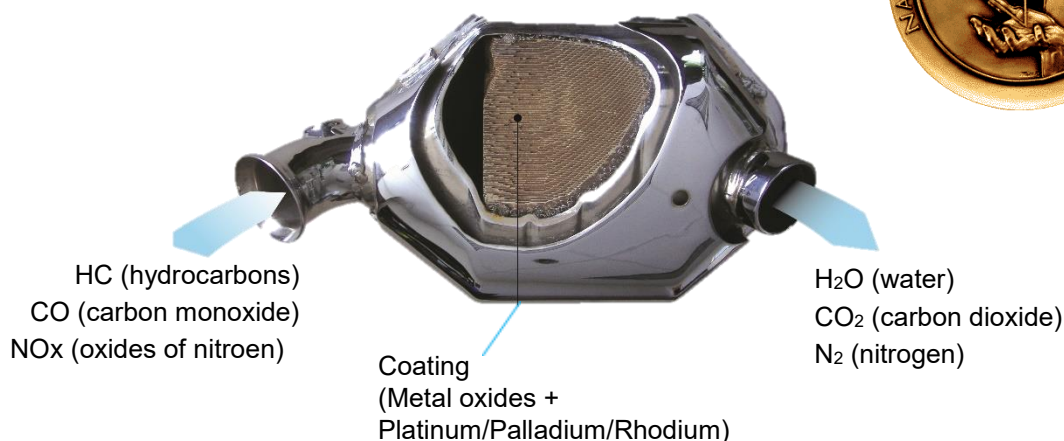
Results

Since its inception, our TWC technology has destroyed over:

- 90 million tons of HC
- 710 million tons of CO
- 164 million tons of NOx

Today, BASF continues to lead the way in the development and commercialization of advanced emissions catalysts for both gasoline and diesel powered cars.

Our focus is on helping our automotive customers cost-effectively comply with tightening environmental regulations around the world.



About Us

BASF's Catalysts division is the world's leading supplier of environmental and process catalysts. The group offers exceptional expertise in the development of technologies that protect the air we breathe, produce the fuels that power our world and ensure efficient production of a wide variety of chemicals, plastics and other products, including advanced battery materials. By leveraging our industry-leading R&D platforms, passion for innovation and deep knowledge of precious and base metals, BASF's Catalysts division develops unique, proprietary solutions that drive customer success.

BASF - We create chemistry

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