

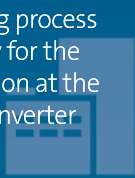
Environmental Technologies

Corning has invested more than \$2 billion in its clean-air business over the past 45 years, and holds more than 1,000 environmental technology patents. Corning innovations such as the cellular ceramic substrate and particulate filter help to clean up vehicle exhaust so that we can all breathe easier.

A breakthrough solution

1970 To help automakers meet the 1970 Clean Air Act regulations, Corning developed the ceramic material, manufacturing process and built its first factory for the ceramic substrate solution at the heart of the catalytic converter in just three years.

1974



Captures **99%** soot particles

Corning's diesel filter technology captures 99% of soot particles. Thanks to these filters, exhaust from new vehicles is often cleaner than the air around it.

Since 1974, Corning has produced **> 2 billion** Celcor® Substrates for automotive emissions control.

Corning's substrate technology features thousands of thin-walled parallel channels: up to 900 Per Square Inch.

Prevents Pollution

Corning's emissions control technology has prevented 4 billion tons each of hydrocarbons and nitrogen oxides from polluting the air in the last 45 years. This equals about

9,000,000 fully loaded 747 airplanes



Small size, big impact

A substrate the size of a soda can has a large interior catalyzed effective area—about the size of an American football field—so it can clean as much exhaust as possible.



Fewer pollutants

Since 1970, the U.S. economy grew fourfold, at the same time air pollutants dropped more than 70%.

Cleaner air

The average person breathes up to 3,000 gallons of air every day. Thanks to Corning's substrates and particulate filters, we can all breathe cleaner air.

More jobs

The U.S. mobile emissions control industry accounts for about \$23 billion of economic activity and 70,000 American jobs.

