

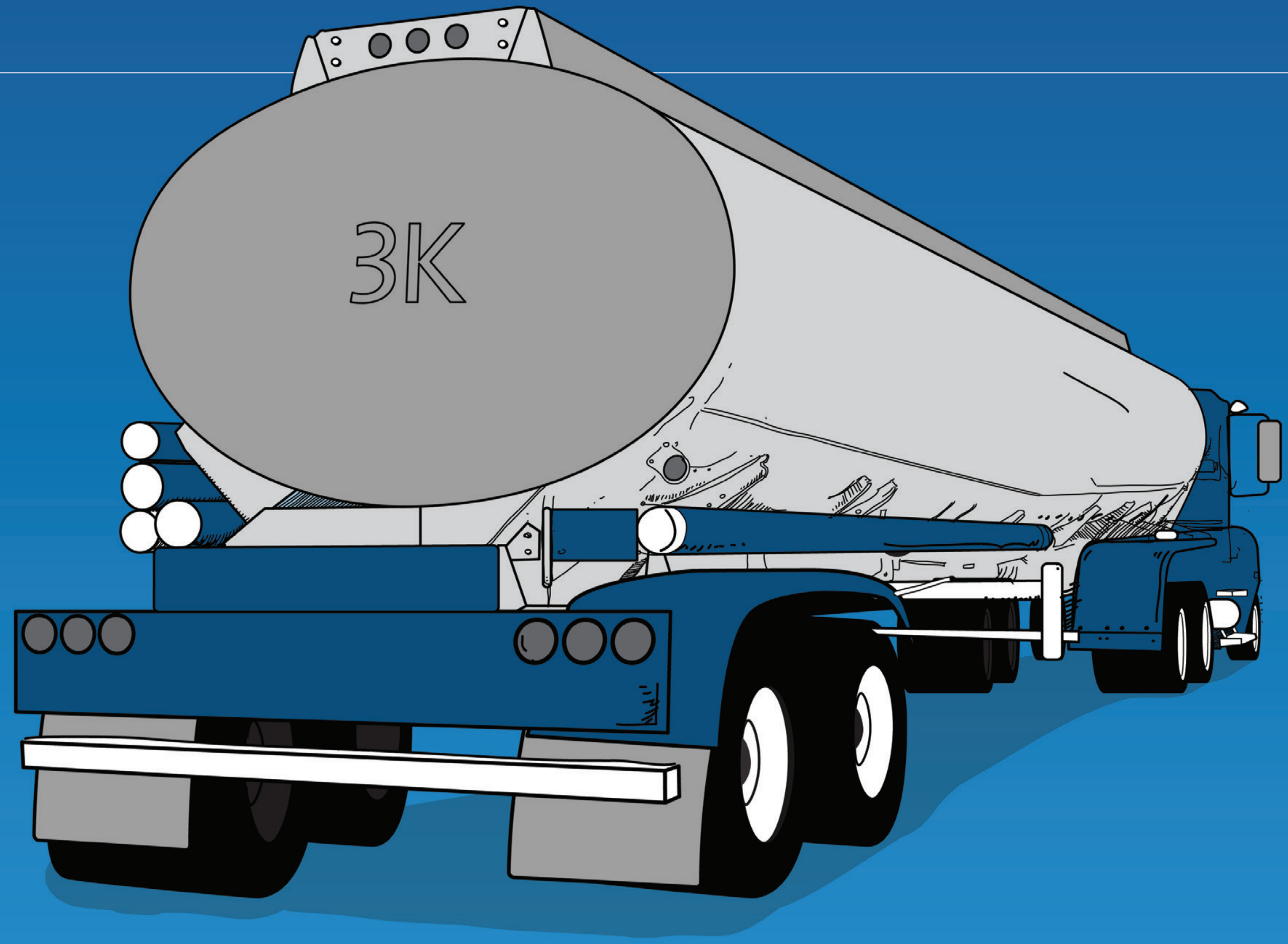
Corning®
Environmental Technologies

Corning has invested more than \$2 billion in its clean-air business over the last 40 years, and holds more than 600 environmental technology patents. Corning innovations such as the cellular ceramic substrate and diesel particulate filter help to make the air cleaner and easier to breathe.

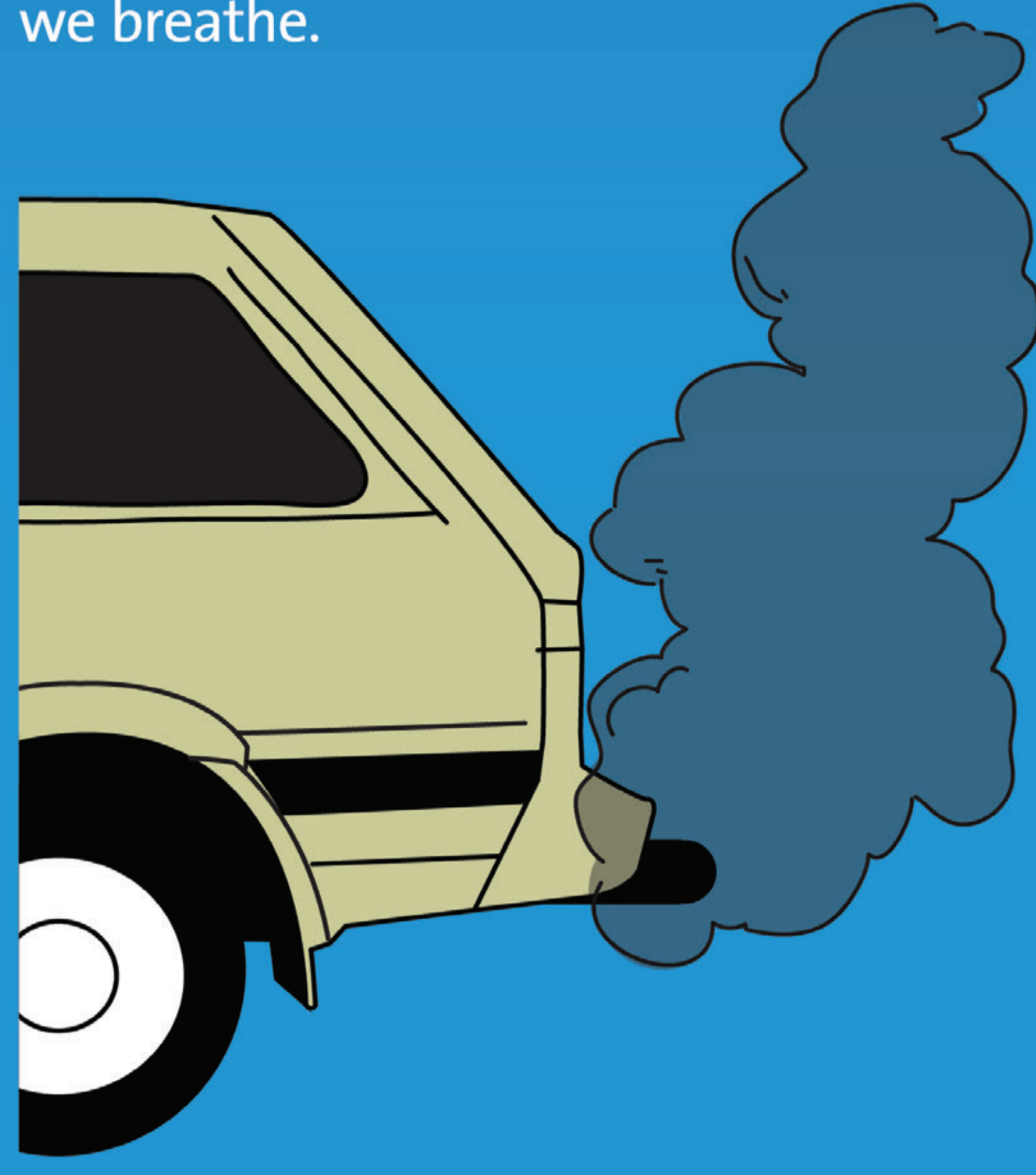
The average person breathes up to

3,000 Gallons

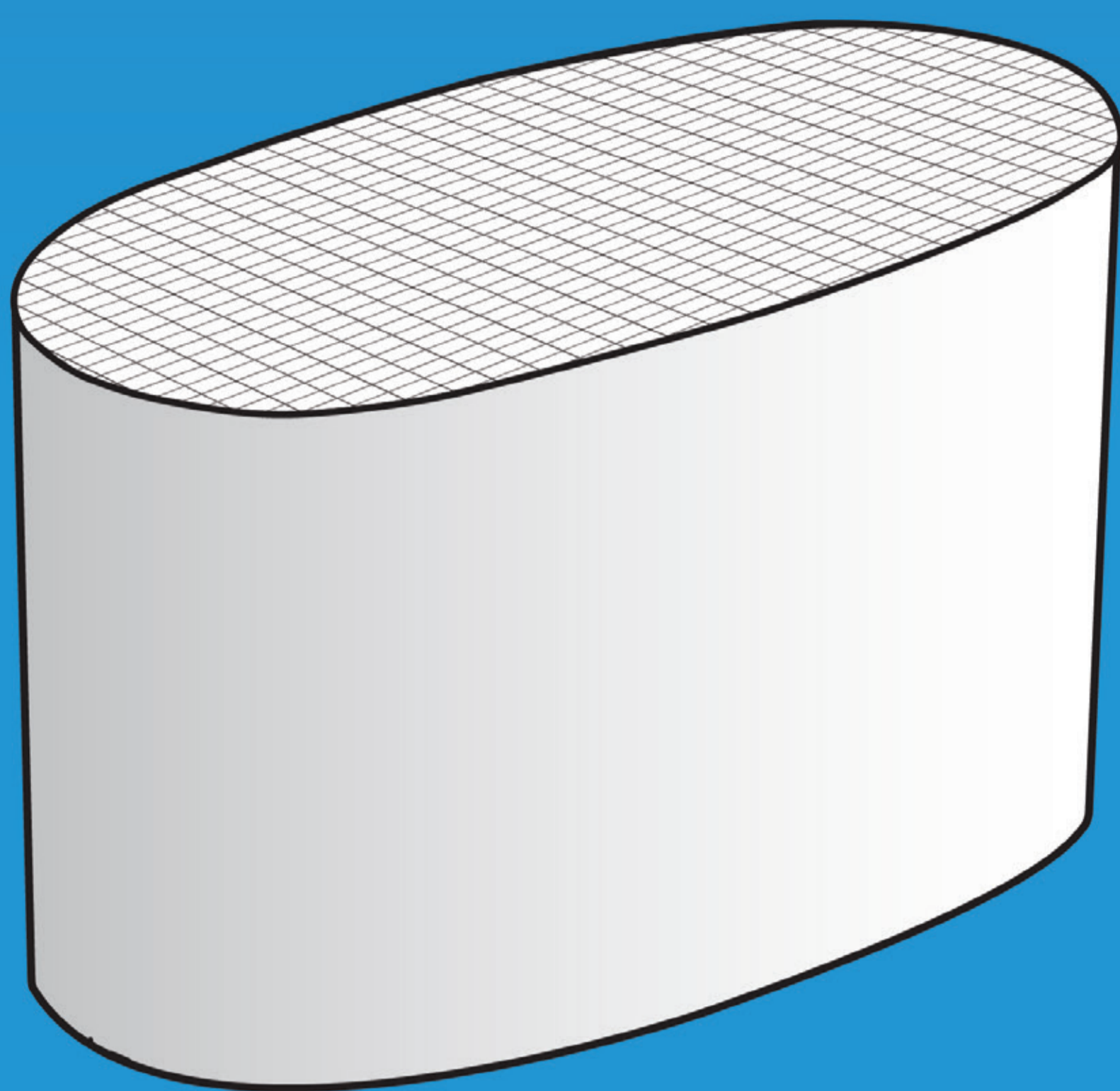
of air every day, about enough to fill a tanker truck.



In 1970, U.S. vehicles emitted 300 million tons of exhaust pollutants annually, spewing billions of particles into the air we breathe.

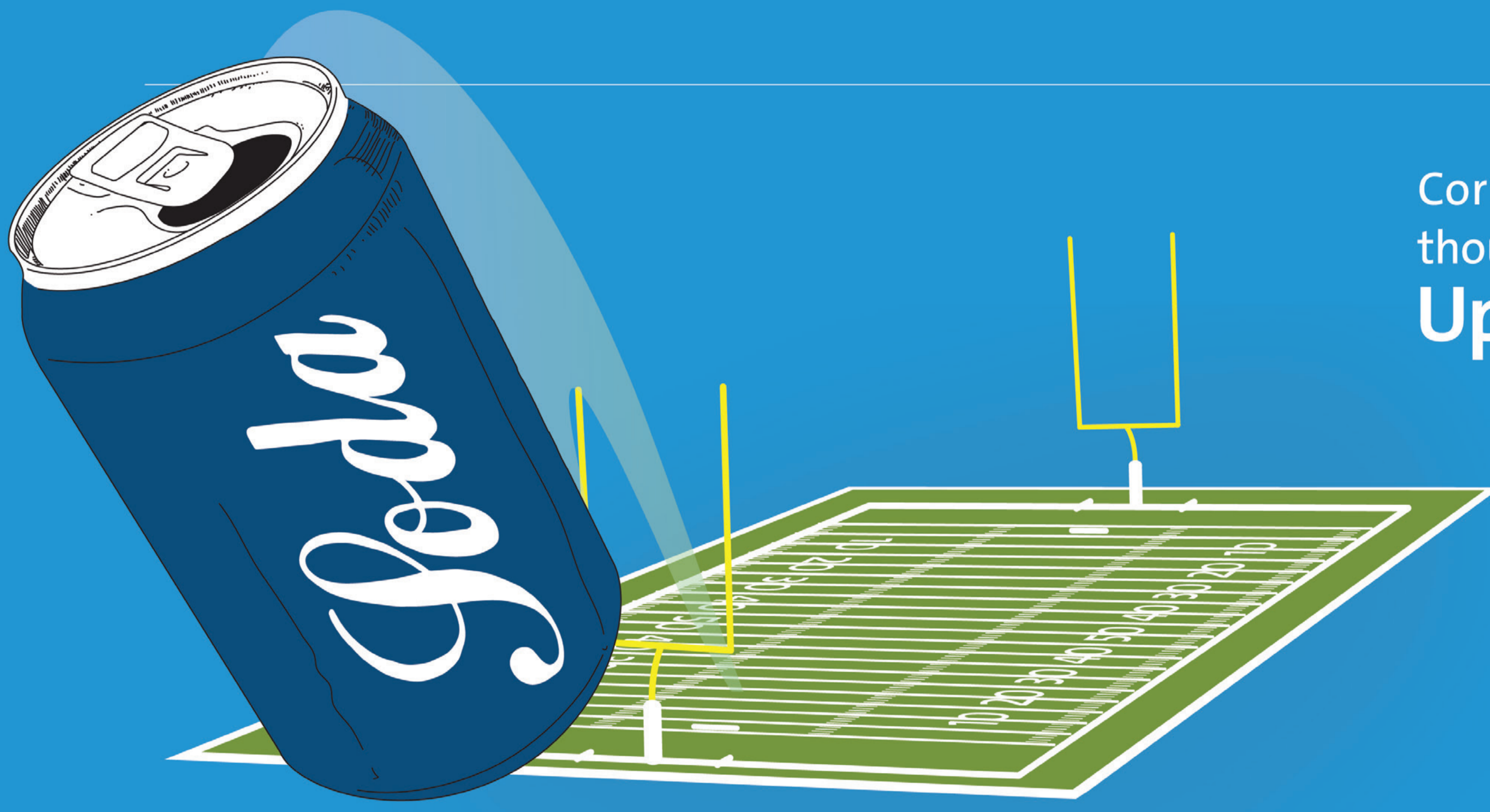
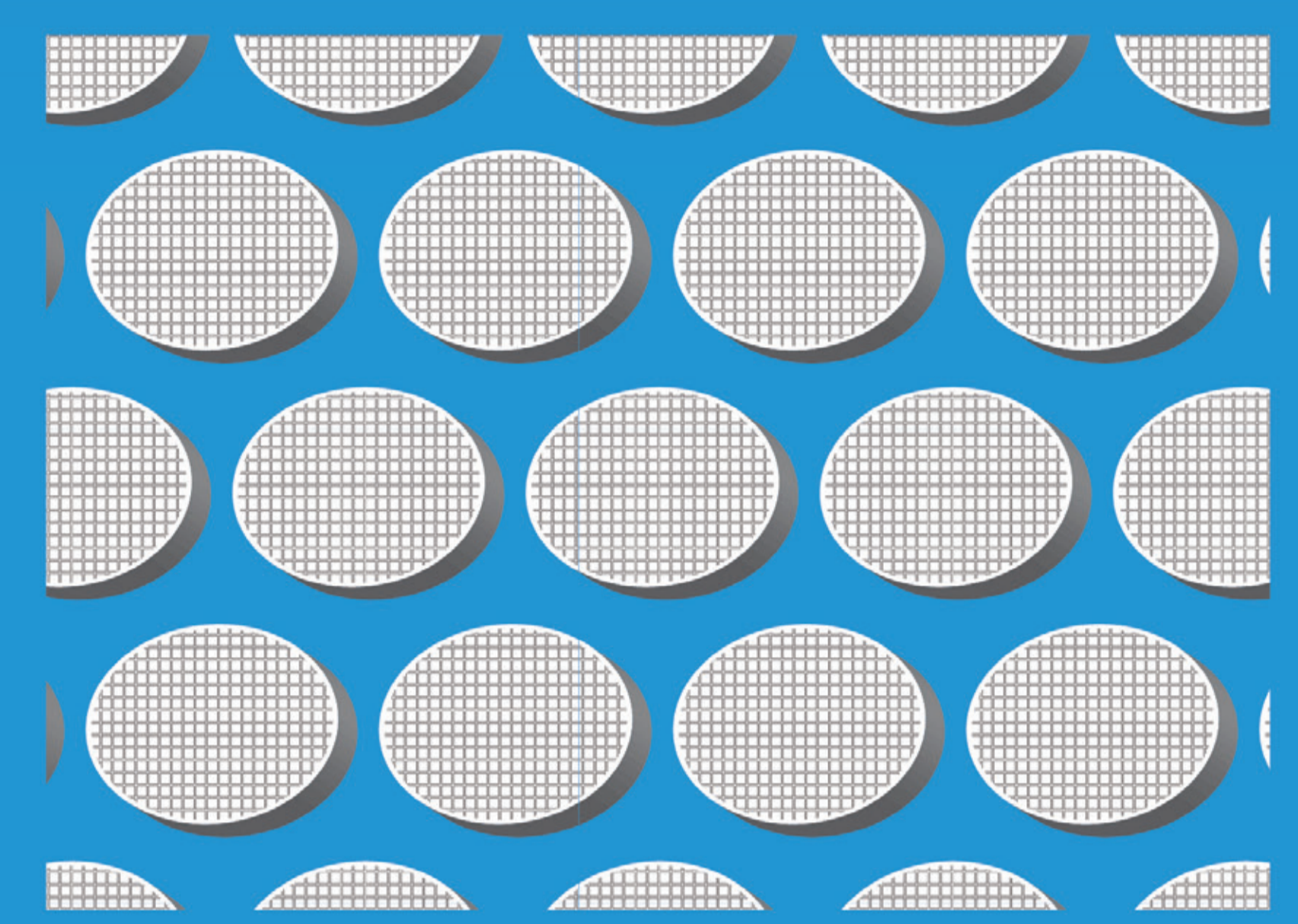


Then in 1972 Corning created the first cellular ceramic substrate for emissions control, and in 1978 a cellular ceramic particle filter to remove soot from diesel vehicle emissions.

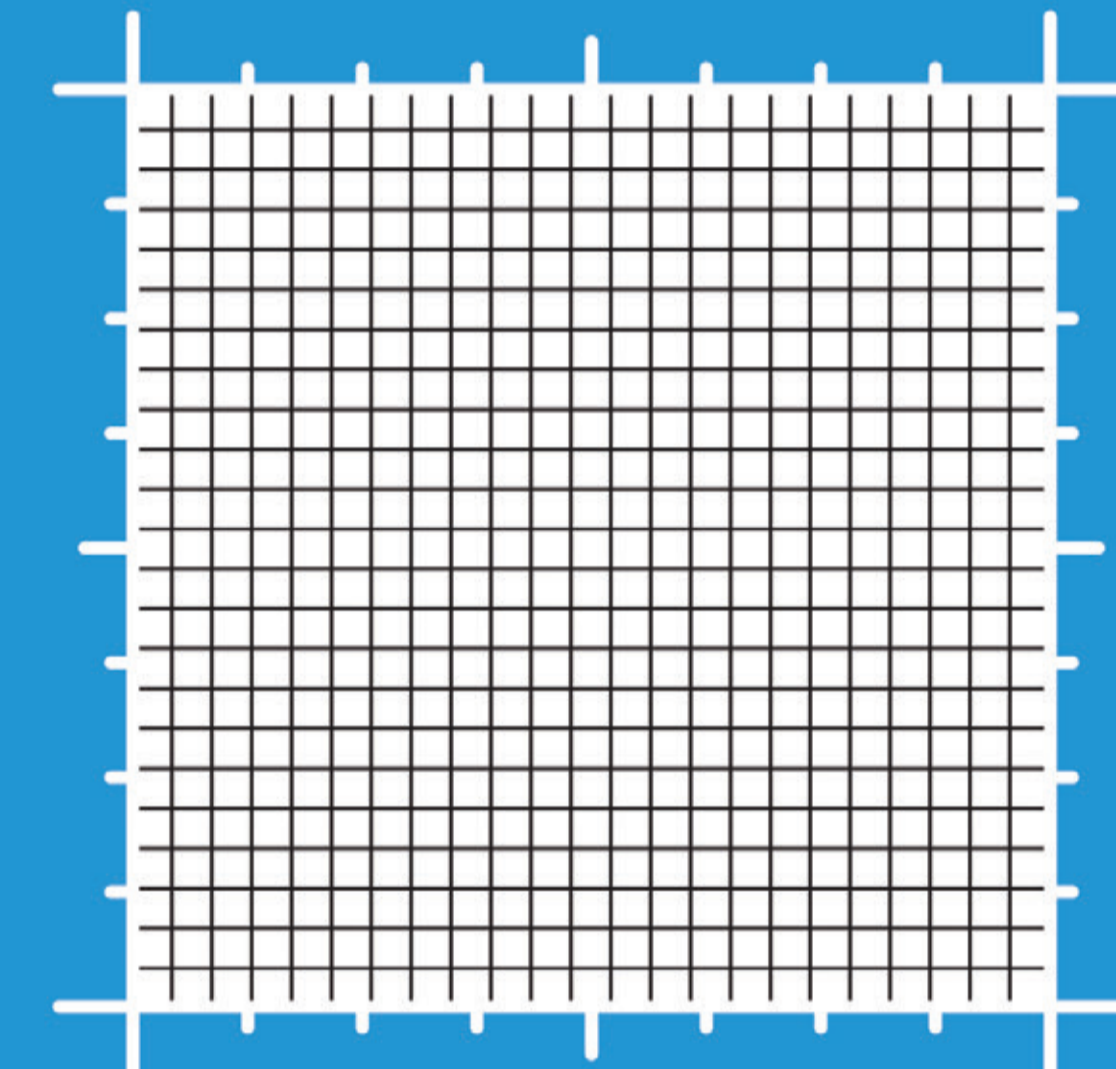


Since 1974, Corning has produced more than 1.5 billion Celcor® substrates for automotive emissions control.

1,500,000,000



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

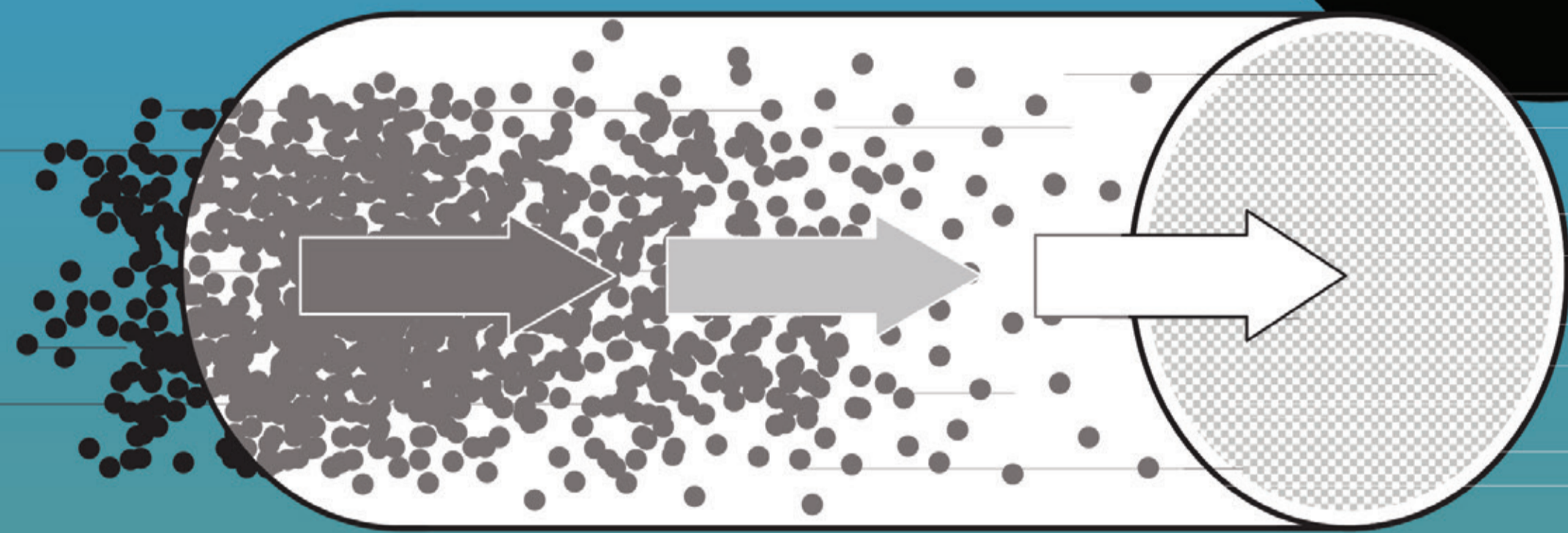


A substrate the size of a soda can has a large interior catalyzed effective surface area—about the size of an American football field—so it can clean as much exhaust as possible.

Corning's diesel filter technology captures

99%
OF SOOT PARTICLES

Since 1970, the number of vehicles on U.S. roads has doubled. But dangerous air pollutants have been reduced by more than 60%.



Thanks to these filters exhaust from new vehicles is often
CLEANER
than the air around it.



1970 |-----> PRESENT

↓ 60%

Clean Air Act regulations and emissions control technology have prevented 4 billion tons each of hydrocarbons and nitrogen oxides from polluting our air. 4 billion tons = nearly

9,000,000,000

fully loaded 747 airplanes.

Thanks to cleaner air, millions of people are breathing easier and living better lives.



The U.S. mobile emissions control industry accounts for about
\$13 billion
of economic activity and
70,000
American jobs.

