



OFFSETTING 100% OF OLIN EMPLOYEES' CARBON FOOTPRINT

This sustainability story is one of many that shows how Olin products, technologies, ideas, and people are having a positive impact on our world.

SUSTAINABILITY CHALLENGE

- o Many industries strive to sequester carbon dioxide (CO₂) emissions in order to lower their carbon footprint.
- o Various technologies are being developed to absorb carbon dioxide and store it safely, so it does not affect the climate.

POSITIVE IMPACT

- o Current rates support about 27,000 metric tons of carbon dioxide sequestered per year for Freeport alone.
- o This is the carbon dioxide footprint of about 8,600 U.S. citizens or an equivalent of 6,000 operating cars.
- o In other words, Olin is offsetting the carbon dioxide emissions for our entire global workforce of approximately 8,000 professionals.

OLIN'S SOLUTION

- o In Freeport, Texas, Olin operates a process to take the carbon dioxide in the exhaust gas from a site partner's combustion plant – and then absorb it into a weak caustic soda stream (referred to as "cell effluent stream") from our diaphragm chlor-alkali plants.
- o Olin uses the formed sodium carbonate for our raw brine treatment, and the materials are stored in underground salt domes.
- o Because the carbon dioxide is sequestered and stored underground, it is not released to the environment as emissions.

DID YOU KNOW?

Over time, the CO₂ trapped in reservoirs will chemically react with the minerals of the surrounding rock, essentially locking it into the rock through a process referred to as "mineral storage."