

INTEGRATING HEAT, SAVING STEAM IN STADE

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

- At Olin's facility in Stade, Germany, steam generated from a gas power plant is one of the primary energy sources.
- Olin's commitment to finding additional energy efficiency improvements that save resources and minimize our carbon footprint is an ongoing endeavor for our teams.

POSITIVE IMPACT

- The steam efficiency project saves about 25,000 MT of steam power each year.
- The project is set to reduce carbon emissions at the Stade gas power plant by 3,560 MT of CO₂ annually.

OLIN'S SOLUTION

- In a continuous improvement process, project teams identify ideas to lower steam consumption.
- A new heat integration concept was developed using a new heat-exchanger to redistribute the temperature level of the process streams, allowing an optimized overall steam consumption.



DID YOU KNOW?

Steam is often used as an energy source for manufacturing processes since it can store up to six times more energy than a comparable mass of water, is easy to transport, and is environmentally friendly.