

OPTIMIZING STEAM CONDENSATE SEPARATORS 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

- Olin is committed to finding ways to improve energy efficiency, reduce waste, and optimize production costs.
- At the Stade site in Germany, steam is one of the major energy sources used in manufacturing processes.
- The challenge with steam power is capturing it efficiently and minimizing leaks. In 2020, a project was launched to analyze and optimize steam energy for the Stade site.

OLIN'S SOLUTION


- The project team identified the conventional steam traps as a source of steam losses.
- The team decided to use state-of-the-art venturi nozzles as condensate separators in the steam systems to eliminate steam losses.
- Three large steam consumers were converted to the new condensate separators by the end of 2020.

POSITIVE IMPACT

- The steam efficiency project has enabled the Stade site to save about 4,900 MT of steam power annually since 2021.
- Now, the CO₂ emissions from steam production in the local gas power plant at the Stade site is reduced by 390 MT of CO₂ per year.

A red circular graphic containing the text "DID YOU KNOW?".

**DID YOU
KNOW?**

A large circular image showing a blue sky with white clouds, framed by a red arc at the top and green leaf patterns on the sides.

Olin is working to achieve a **30% reduction** in carbon emissions intensity by 2030 (2018 baseline).