

## MAKING CHANGES TO BENEFIT PEOPLE AND THE PLANET

*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- At Olin's Rheinmünster plant, chiller equipment and pumps became outdated and inefficient.
- The pump sizing was actually too large, and the system was consuming a great deal of energy for little benefit.

### OLIN'S SOLUTION

- When the chiller system piping became corroded and needed to be replaced, the team saw the opportunity to also replace outdated pumps and modify the chiller unit setup for better efficiency.
- The team was able to keep some of the existing equipment but modify the operating mode for better efficiency – and enclose the unit in a noise reducing cabin.

### POSITIVE IMPACT

- The overhauled chiller system is now more efficient, reducing energy usage by about 40% and saving about 600 MWh of electricity annually – resulting in CO<sub>2</sub> emission savings of 470 MT per year.
- In addition, enclosing the chiller unit reduced the noise level of the system by as much as 8 decibels for a quieter, healthier workplace.



### DID YOU KNOW?

Reducing noise is important in maintaining healthy workplaces and neighboring communities, as noise pollution has been linked to a range of health problems from anxiety to heart disease.