At Olin’s Rheinmünster plant, chiller equipment and pumps became outdated and inefficient.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. When the chiller system piping became corroded and needed to be replaced, the team saw the opportunity to also replace outdated pumps and modify the chiller unit setup for better efficiency.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.

The overhauled chiller system is now more efficient, reducing energy usage by about 40% and saving about 600 MW of electricity annually. In addition, enclosing the chiller unit has reduced the noise level of the system by as much as 8 decibels for a quieter, healthier workplace.

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.

Olin provides equal opportunities to employees and ensures the ongoing safety and livelihood of our people and communities.

Olin systematically and strategically manages our energy and carbon footprint, driving greater efficiency and increasing utilization of renewable resources.
As we continue on our sustainability journey, we invite you to follow our progress at www.Olin.com.

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