

CASE STUDY

Side Access Housing (SAH)

Progroup PM3 Paper Mill
Leipzig, Germany



Progroup's new PM3 paper mill plant is reinventing paper technology, showing the world that high production can be achieved through sustainable and environmentally friendly means. However, even this innovative facility which only uses recycled goods for production, emits corrosive gases as manufacturing byproducts, which over time could cause damage to the new equipment that the plant is utilizing.

PureAir was recommended to Progroup and its contractor by Finnish engineering company, Poyry (AFRY), which handled the HVAC design for the site and confirmed the need for gas-phase filtration systems to remove the harmful hydrogen sulfide (H_2S), sulfur dioxide (SO_2), and sulfite (SO_3), and other corrosive gases that were found in the air through Progroup test reports, ensuring critical electronics are protected. Even trace amounts of corrosive gases could cause irreversible damage to critical hardware and data systems over time.

THE PROBLEM

While many paper companies have struggled to meet today's changing market demands and lower costs, Progroup is growing at a rapid pace and setting records due to its innovative strategy. Their PM3 mill in Leipzig, Germany was built in a record breaking 18 months, and it is one of the most modern and high-performance facilities in the world, with a founding focus on sustainability and green technology. The company only uses recycled products as raw materials for paper production, and, the environmentally friendly mill, has an annual capacity of 750,000 tonnes.

THE SOLUTION

PureAir provided Side Access Housing (SAH) units with PurePak™12 modules filled with Sulphasorb™ and PureAir 8 chemisorbant media. The systems and media have reduced corrosive gas levels and maintained those levels at G1 air quality in the control rooms. As a result, PureAir has lowered long-term costs for the facility by preventing unscheduled downtime events and maintenance costs.

