

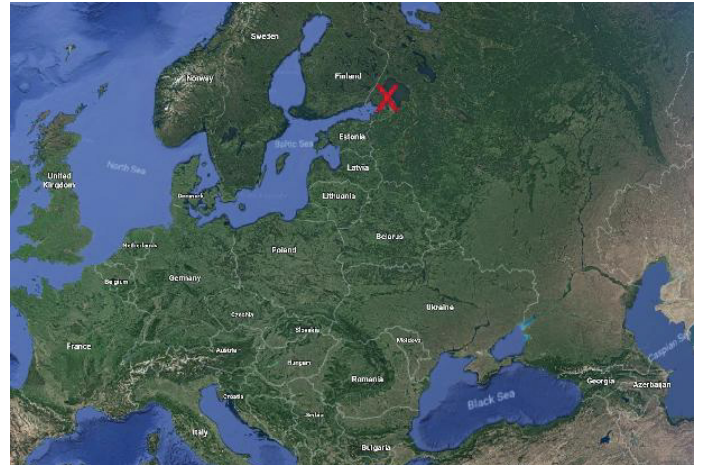


Vertical Bed System (VBS)

Zao International Paper Plant

THE PROBLEM:

Located in Svetogorsk, Russia, the Zao International Pulp and Paper Mill has been operating since 1887 and is one of the largest producers of paper products in the country. As with other paper mills, the Sveto plant struggled to protect its mission critical equipment in the plant from corroding due to the hydrogen sulfide byproducts. Too many resources were being spent replacing hardware or working through downtime, so plant leaders began to look for a way to remove the hydrogen sulfide from the air to protect its control rooms. Staff were also looking forward to the elimination of odor in their workplace as the smell of hydrogen sulfide is very unpleasant and can cause irritation.



THE SOLUTION:

PureAir's industrial VBS-302 model was chosen for the job. This particular unit was made of stainless steel and designed to handle 600 CFM of airflow. Further unit details included:

- Rectangular footprint with rough dimensions—3ft width, by 4ft height, and 3ft depth
- Stainless steel, 2 HP, DRAWTHRU blower
- MERV 8 prefilter, and MERV 15 final filter
- 2 media beds with Sulphasorb™ and CPS Blend chemical adsorbent media
- Media sampling ports and an electronic media bed monitor

The final product has worked well for Zao in improving the air quality within the control room and preventing failure of valuable equipment, resulting in less downtime and staff frustration.



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