

## CASE STUDY

# Side Access Housing (SAH)

ATK Missile Defense Site  
Rocket Center, WV

## SUMMARY

ATK's missile defense site experienced air quality issues in the form of volatile organic compounds (VOC) as a result of resins used in the manufacturing process. Employees were unable to work in the area and production was compromised.

PureAir, which specializes in custom design solutions for a wide range of vapor phase air purification and contaminant control applications, installed Side Access Housing (SAH) units, which increased air quality—and employee production.



## THE PROBLEM

ATK's missile defense manufactures Patriot Missiles for the United States Navy. Resins used in the missile manufacturing process were causing serious volatile organic compound (VOC) problems. The VOCs were so high that it was difficult for the employees to work in this area and it was affecting production.

## THE SOLUTION

PureAir provided three SAH systems to reduce/eliminate the VOCs in the manufacturing facility. Each system provides 27,000 CFM of purified recirculate air. The systems were integrated with the existing air handlers and equipped with Variable-Frequency Drive control panels to adjust airflow and optimize performance. PureAir calibrated each system for peak performance.

## RESULTS

Since the installation of the PureAir's SAH systems, the VOC levels in the building were greatly reduced, ensuring employee health and increasing Patriot Missile production for the United States military.

**"Productivity increased dramatically after the PureAir Side Access Housings were installed. Fewer worker complaints and days missed."**