

CASE STUDY

Side Access Housing (SAH) EcoClean™ Kitchen Exhaust

Taif Hospital
Saudi Arabia



THE PROBLEM

Taif Hospital in Saudi Arabia began receiving complaints regarding commercial kitchen odors around the facility. When leadership looked into the source of the odor, they found that the hospital's operating capacity has grown. The increased volume of food preparation in the commercial kitchens led to noticeable odors spreading throughout the campus. With patient and staff satisfaction a top priority, the hospital sought a reliable solution that would remove odors at the source—rather than simply masking them—as the air exited the kitchens.



THE SOLUTION

Working with local representatives, Taif Hospital consulted PureAir to determine whether gas-phase filtration technology could effectively address the issue. Together, they implemented the following solution:

- Three SAH18-606-BLWR EcoClean™ Kitchen Exhaust Ecology units to treat 8000 CFM each of malodorous air
- MERV 8 prefilter, 21" 90% efficient bag intermediary filter, and MERV 13 final filter
- One internal stainless steel blower with sound insulation
- Discharge fire damper

The hospital, patients, and the surrounding neighborhood have been happy with the results, as the unpleasant odors from the commercial kitchens have been effectively eliminated.