

## SUCCESS STORY

# Medical Clinic



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# Indoor air pollutants reduced 31% in the first 90 days

## Facility:

80,000 square foot medical office building in north Houston.

## Scientific Study:

90-day study on the status of 0.3 micron levels of indoor air particulate. Multiple samples were taken measuring indoor air particulates with testing that is typically deployed in laboratories, clean rooms, pharmacies and hospitals.

## Situation:

The facility management company was concerned about high levels of 0.3 micron airborne particulates, known to cause respiratory disorders, asthmatic responses among approximately 30% of the adult population.

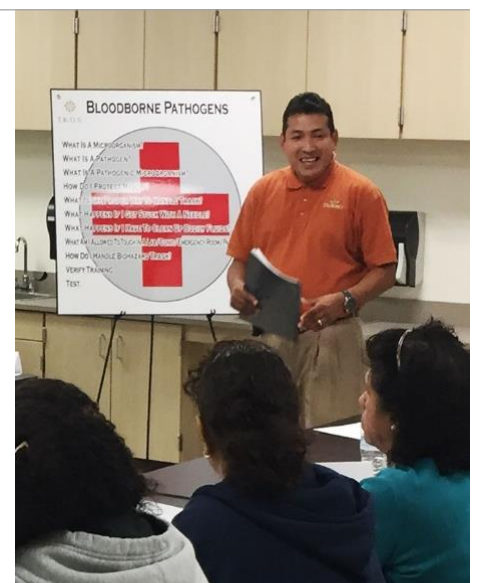
Examples of 0.3 micron airborne particulates include: dust, dust mites, dust mite feces, dead skin cells, the H1N1 virus, fungal and mold spores, and many harmful bacteria.

## Solution: The King's System

The King's conducted a Training Camp for their janitorial staff and supervisors, implementing a new system with these features:

- four-stage vacuum filtration system
- micro-fiber and duster covers

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## Page 2: Indoor air pollutants reduced 31% in first 90 days

### TKOS Solution (*continued*):

- double sided mop bucket system and clean, color-coded mop heads used and replaced nightly, and
- germicidal detergent in restrooms and locker rooms to deter the spread of harmful pathogens, in place of simple disinfectants.

Proper handling of janitorial equipment and tools is a key factor in cleaning for health: Wet or dirty mop heads provide a breeding ground for bacteria and pathogenic growth. Bacteria can reproduce every 15 minutes in conditions where moisture, room darkness and warm temperatures, typical of many janitorial closets.

### Results:

The transition to The King's system was smooth, with benefits realized in the very first week. Over the first 90 days, a 31% reduction in 0.3 micron particles was documented.

Long-term benefits affect the overall real estate investment value. The life expectancy of building assets, such as carpet, hard floor surfaces, paint, computers, servers, etc. is increased.

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