

SUCCESS STORY


# Corporate Campus



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# Indoor air pollutants reduced 42% to 86% in 90-day pilot

## Facility:

Corporate campus in Houston region with five separate buildings and 10 floors, totaling more than 250,000 sq. ft. of Class A office space.

## Scientific Study:

The original walk-through and indoor air quality (IAQ) test was conducted in March 2013. The IAQ test measured the status of 0.3 micron levels of indoor air particulates. Multiple samples were taken measuring indoor air particulates with testing that is typically deployed in laboratories, clean rooms, pharmacies and hospitals.

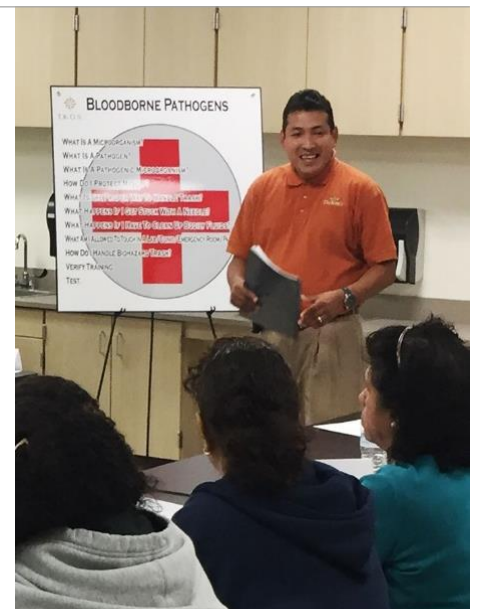
## Situation:

The facility management company was concerned about low air quality resulting from airborne particulates, known to cause respiratory disorders in 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 Operation System Pilot

A 90-day pilot of The King's Operation System (TKOS) began in July and a progress audit was conducted in October 2013. This 90-day pilot involved



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## Page 2: Indoor air pollutants reduced 42% to 86% in 90-day pilot

### TKOS Solution (*continued*):

janitorial staff and supervisors who were graduates of The King's Training Camp, and who implemented:

- Cleaning and managing the filtration of our four-level back pack vacuum system
- Dusting with microfiber cloths and duster covers on special "wooly dusters"
- Microfiber flat mops using a double-sided mop bucket system, and
- Laundering cleaning cloths and mop heads frequently.

Building 2	PPM on 3/20/2013	PPM on 10/21/2013	Percentage Improvement
First Floor	191,290	110,510	42%
Second Floor	215,920	92,588	57%

Building 3	PPM on 3/20/2013	PPM on 10/21/2013	Percentage Improvement
Lobby	223,360	30,153	86%
Offices	119,890	19,127	84%

Building 4	PPM on 3/20/2013	PPM on 10/21/2013	Percentage Improvement
First Floor	121,705	37,394	69%

Building 5	PPM on 3/20/2013	PPM on 10/21/2013	Percentage Improvement
First Floor	228,870	32,025	86%

### Results:

The transition to The King's Operation System was smooth, with benefits realized in the very first week. Over the 90-day pilot, these percentage improvements in parts-per-million of 0.3 micron particles were documented in the lobbies and office areas of the five buildings on this campus:

Building 1	PPM on 3/20/2013	PPM on 10/21/2013	Percentage Improvement
First Floor	392,220	113,537	71%
Second Floor	277,360	86,321	69%
Third Floor	254,900	66,776	74%
Fourth Floor	322,720	159,940	50%
Fifth Floor	360,540	78,267	78%

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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