



## Texas Hospital Rids Entire Floor of Foul Odors & Microbial Growth Blue Box Air Sustainable Coil Cleaning

### THE CHALLENGE

Blue Box™ was contacted by a hospital in the Dallas, TX area that was dealing with a very foul odor permeating across the entire floor of its surgery recovery area. The odor had been traced back to a large microbial growth in the coils of the air handlers that serviced the recovery area. Bacteria and biofilm build up inside the coils is a very common issue that has plagued buildings and facilities since the invention of the HVAC system over a century ago. Microbial growths and the associated foul odors are often referred to as “dirty socks” or “sick building” syndrome and they can cause a significant reduction in airflow as well as indoor air quality.

In this case, the hospital had repeatedly tried to solve the problem with pressure washing, steam cleaning and chemical treatment of the coils. However, none of these methods solved the odor issue and the hospital was about to replace the coils prior to contacting Blue Box™.

### THE SOLUTION

Blue Box™ technicians quickly treated the coils and achieved near perfect surface area coverage. Because Blue Box™ can penetrate through the coils and there is no downtime when we perform our service, we were very quickly able to remove all the bacteria and biofilm buildup that had been causing the odor. The impact was immediate. Within 24 hours, roughly 95% of the noticeable odors were eliminated and over the next couple of days, once all of the air had been fully circulated, any residual smells were also gone.



**LOCATION**  
Dallas, Texas



**BUILDING TYPE**  
Hospital



**PROJECT SIZE**  
1 Air Handler Unit



**AVERAGE PRESSURE DROP**  
Not Measured

# RESULTS

Blue Box™ is designed to restore and preserve the integrity and performance of HVAC systems, ensuring that today's problems don't become tomorrow's problems. This Texas Hospital now finds it easy to keep their facility operating at its peak efficiency and wellness while achieving:

## COIL DISINFECTION

The patented Blue Box™ enzyme combats the problem of smoke, soot, bacteria and fungi growing deep inside the coils.

## COIL RESTORATION

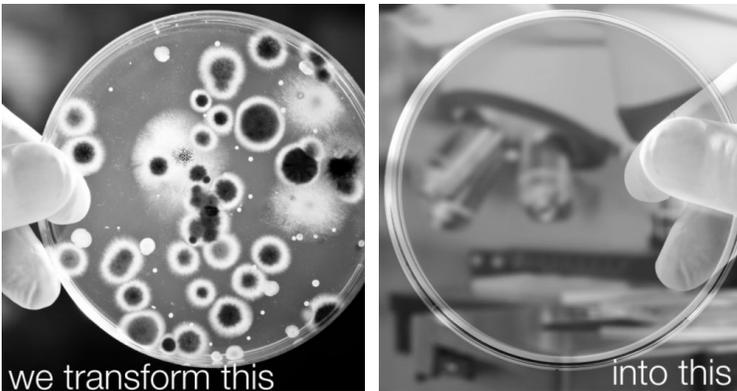
The coils that were thought ruined were fully restored to near new. By restoring the coils airflow and heat transfer, Blue Box™ greatly improved their HVAC systems efficiency and performance.

## COIL LIFE

Blue Box™ extends the useful life of your HVAC so that you can avoid unnecessary and costly coil replacement.

## EXTRA PROTECTION

Coils are often ruined during the construction process when drywall dust gets trapped deep inside of the HVAC system. Blue Box™ eliminates this risk by seamlessly migrating any debris out of the coils while construction is taking place.



### SAFE



pH neutral, odorless, and free of toxic or hazardous chemicals

### EFFECTIVE



Near perfect surface area coverage of coils

### EFFICIENT



No disruption to the system or the building's occupants



Blue Box™ delivers a unique model for ensuring facilities to experience the safest air possible within their normal day to day operations. With its patented process for how to treat and disinfect any type of facility's HVAC system, Blue Box™ eliminates a critical weak point in all building operations. Our innovation is how to penetrate through any depth of the heat transfer coil to ensure near-perfect surface area coverage. Our process involves one of the most comprehensive solutions for how to disinfect these hard to reach places so that a building's air supply is both efficient and safe. For further information, visit [www.blueboxair.com](http://www.blueboxair.com)