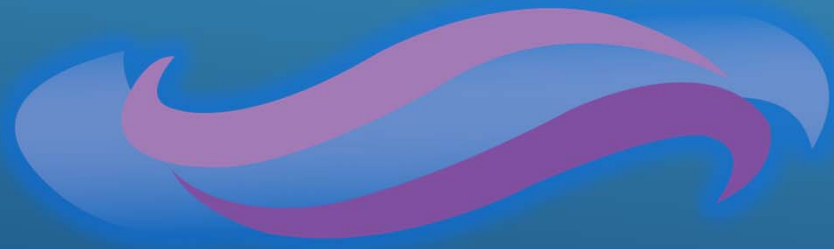


# BONDTECH CORPORATION



Environmental  
Ultraviolet

- ▶ *Provide the CLEANEST air possible throughout facilities while reducing 20-30% off their monthly electric bill!*

*OBJECTIVE*

- ▶ *Average HVAC Units Operate at 80% Efficiency  
Generating a Loss of approximately \$27.5K Annually"*
- ▶ *Dirty Coils = reduces:*
  - ▶ *Coil capacity – 40%*
  - ▶ *Compressor power – 7%*
  - ▶ *Fan Power – 40%*
  - ▶ *Energy Efficiency – 35%*
  - ▶ *Air Temperatures (2 degrees)*

## CHALLENGES

- ▶ *"37 YEAR OLD ADMITTED FOR ACUTE PANCREATITIS. Patient developed MRSA bloodstream infection. 86 days stay turned a profitable case into a \$41,813 loss"*
- ▶ *(Richard Shannon, Department of Medicine, Allegheny Pittsburgh)*

## CHALLENGES



**PURPOSE OF BRINGING UV  
GERMICIDAL IRRADIATION INSIDE**

- ▶ *DESTRUCTION OF BIO-CONTAMINANTS (MOLD, VIRUSES, BACTERIA, ETC.)*
- ▶ *ENERGY REDUCTION BY CLEANING HEATING AND COOLING COILS*
- ▶ *ODOR REDUCTION*

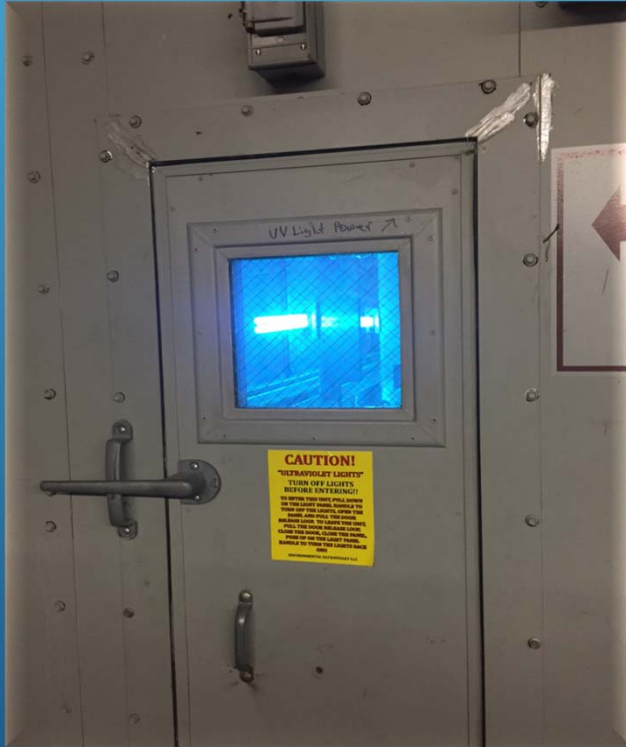
## **EFFECTIVENESS OF UV GERMICIDAL IRRADIATION**

- *Hospitals*
- *Universities*
  - *Dorms*
  - *Campus Buildings*
- *Factories*
- *Commercial Properties*
- *Multi-tenant Housing*
- *Hotels*
- *Casinos and Entertainment places*



**PLACES THAT MUST LOOK AT UV  
GERMICIDAL IRRADIATION**





# NORTON KOSAIR CHILDREN'S HOSPITAL LOUISVILLE, KY UV RAY AIRZAP SYSTEM



- ▶ *UV solution for HVAC units*
- ▶ *Lights hang directly*
- ▶ *Air & Coils exposed to UV Ray*
- ▶ *Zaps bacteria in air before it reaches employees and patients*
- ▶ *Destroys mold and other microbial growth on the coil and surrounding areas*
- ▶ *Cleans coils to operate efficiently*
  - ▶ *254 nm UVC light continuous exposure*
  - ▶ *UVC Rays kills bacteria & mold*

## FEATURES AND BENEFITS



*Mold*



*Bacteria*

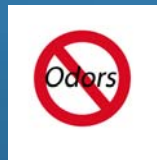


*Viruses*



*Dust mites*

*AND MUCH MORE*



*Allergies, etc .*

**DESTROYS THOUSANDS OF AIRBORN  
CONTAMINANTS**

## How UV Works



The molecular structure of the DNA is broken down rendering the microbe harmless

# SOLUTION



October 4, 2014

Mr. Scott Watkins  
System VP and Division COO  
Norton Healthcare  
231 East Chestnut St.  
Louisville, KY 40202

Dear Mr. Watkins,

We want to send you a brief note of thanks for the opportunity to provide UVGI (Ultraviolet Germicidal Irradiation) to your existing HVAC operation at Norton Hospitals Kosair! We are pleased to report our progress and extremely encouraged with the results.

In a very short period of less than three months, results already indicate more than a 22% decrease in energy utilization and consumption from your HVAC unit, the previously eroded coils have been completely restored to "like-new" condition and your HVAC unit is operating at nearly full efficiency with clean, clear air!

We will continue to monitor the progress and continued savings and look forward to expanding coverage for your remaining HVAC units as soon as practical and approved.

Sincerely,

Michael Wagner  
President  
Environmental Ultraviolet, LLC



*Norton Hospital*

*22% ENERGY  
SAVINGS IN LESS  
THAN  
3 MONTHS*

## Emory University, Atlanta, Georgia



Objective:

*Reduce Energy Consumption by 25%*

Result:

*"A cleaner system doesn't require as much energy to perform the same ventilation and temperature control functions, and that lowers operating costs"*

Charles Norris – Director of Maintenance

# UVRAY AIRZAP - ULTRAVIOLET GERMICIDAL IRRADIATION "IT WORKS"



*Rio Grande Hospital –  
Rio Grande, TX*

► *Objective:*

*Reduce Energy Consumption due to excessive Heat*

► *Result:*

*“UVC Technology has made a remarkable difference here. We used to need four chillers even when the temperature outside was 70 degrees, and now two chillers do the job at 90 degrees.”* Oscar Molano – Director of Plant Operations

**UVRAY AIRZAP – ULTRAVIOLET  
GERMICIDAL IRRADIATION “IT WORKS”**

- ▶ *CNN Report 10/13/14 :*
- ▶ *"CDC – Ebola cases could reach 1.4M by January."*
- ▶ *CNN Report 10/06/14:*
- ▶ *"Ebola airborne a nightmare that could happen."*



PREVENT THE SPREAD:  
EBOLA AND OTHER INVECTIOUS VIRUSES



- ▶ *USA Today 10/14/14:*
- ▶ *“CDC to change its approach to Ebola virus”*



PREVENT THE SPREAD  
EBOLA AND OTHER INFECTIOUS VIRUSES

► *CIDRAP 10/9/14:*

(Center for Disease Control Research and Policy)

► *“We believe there is scientific and epidemiologic evidence that Ebola virus has the potential to be transmitted via infections aerosol particles...”*



PREVENT THE SPREAD OF  
EBOLA AND OTHER INFECTIOUS VIRUSES

- ▶ *CNN Report 10/13/14 :*
- ▶ *"CDC – Ebola cases could reach 1.4M by January."*
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- ▶ *"Ebola airborne a nightmare that could happen."*



PREVENT THE SPREAD OF  
EBOLA AND OTHER INFECTIOUS VIRUSES

- *Forty-two of the state's 59 measles cases since December can be linked to initial exposure at Disneyland and the adjacent Disney California Adventure Park in Anaheim, California Department of Public Health officials said.*

PREVENT THE SPREAD OF MEASLES

CNN)Happiness isn't the only contagious thing at Disneyland in California.

There's an outbreak of measles linked to the theme park, and one of California's top public health officials recommended that children under 12 months and people who've never had a measles vaccination stay away from the park while the disease event continues.

Dr. Gil Chavez, deputy director of the state's Center for Infectious Diseases, noted at a Wednesday news conference that Disneyland would be "perfectly safe" if you've been immunized.

When asked for a response, Suzi Brown of Disney media relations said, "We agree with Dr. Chavez's comments that it is safe to visit Disneyland if you have been be linked to initial exposure at Disneyland and vaccinated."

Forty-two of the state's 59 measles cases since December can be linked to initial exposure at Disneyland and the adjacent Disney California Adventure Park in Anaheim, California Department of Public Health officials said.

*RICK SUTTON, CHIEF Engineering Officer*

- ▶ *16 years Engineering experience in UV lighting technology*
- ▶ *2006 Excellence in Engineering award – Georgia Tech University*
- ▶ *2009 Authored and received US Patent, Ultraviolet Germicidal Irradiation System*



**EXPERIENCE THAT COUNTS**

*Dr. Ernie Eggers, M.D. Board Member*

- ▶ *Nationally recognized Orthopedic Surgeon*
- ▶ *Considered Foremost Expert in the Study of Joint Reconstruction*
- ▶ *25+ years – 15,000+ Joint Replacement*
- ▶ *Firm believer in UV technology – used in Operating Rooms where he operates*



**EXPERIENCE THAT COUNTS**

**BONDTECH**  
**CORPORATION**  
**BONDTECH CORPORATION**  
**ENVIRONMENTAL ULTRAVIOLET**

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- ▶ Local:.....(606) 677-2616
- ▶ Fax:.....(606) 676-9157
- ▶ Email:.....info@bondtech.net  
elsabrown@bondtech.net

- ▶ Address: .....1278 Highway 461  
Somerset , KY, 42503 U.S.A

- ▶ Call us now to find more information about our autoclave systems.

▶ **[WWW.BONDECH.NET](http://WWW.BONDECH.NET)**

- ▶ [www.environmentalultravioletllc.com](http://www.environmentalultravioletllc.com)

