

---

# AtmosAir Case Studies



## Cleaning Indoor Air Using AtmosAir Bi Polar Ionization Technology

Dr. Philip M. Tierno Jr.

- Professor of Microbiology & Pathology at New York University and NYU Langone Medical Center



Conclusion = AtmosAir is Extremely Effective at:

- Mold and Pathogen Reduction
- Particle Decay
- VOC and Odor Reduction
- Mold Spore Reduction
- Energy Conservation

---

# Airports



# Case Study | Los Angeles International Airport



Los Angeles  
World Airports

Los Angeles International Airport  
Los Angeles, CA

## SITUATION

- Unpleasant jet fuel (VOC/hydrocarbon) odors
- Unpleasant odors from retail spaces
- Food and restaurant odors
- General IAQ concerns/complaints

## IMPLEMENTATION – Terminals that installed AtmosAir

- Midfield (750k Square Feet, 2018)
- Tom Bradley International Terminal
- Terminal 1, 3, 4, 5 and 7



# Case Study | Los Angeles International Airport



“AtmosAir’s Bi Polar Ionization technology, from what we have found, works well to combat jet fume odors to improve air quality here at LAX. We have all the terminals with AtmosAir systems in place and they require very little maintenance and have worked for us as intended – to purify the air and also clean and purify the HVAC system. We have been very satisfied with this technology.”

– *Rich Yakel, Manager, Los Angeles World Airports, HVAC and Maintenance*

## RESULTS

- Installed in 200+ different AHUs
- Over 400 AtmosAir Systems installed
- Service contract to maintain and repair
- No IAQ complaints in over three years



---

Office





## Empire State Realty Trust Multiple Locations

### SITUATION

- Empire State Realty Trust wanted to improve indoor air quality and also gain Energy Star Certification.

### IMPLEMENTATION

- AtmosAir was at first installed in two buildings, 1350 Broadway and 501 7<sup>th</sup> Avenue.
- ASHRAE 62. Indoor Air Quality Procedure was applied
- Air Sampling taken
- Air monitoring installed



One Grand Central Place

# Case Study | Empire State Realty Trust



“I have been working with AtmosAir for years in the US, where we have installed the system successfully on several projects. AtmosAir delivers indoor air quality without emitting ozone. The system reduces viruses, VOCs, PM, bacteria, allergens and the impact on the health and wellness of the occupants is quantifiable. We have tested AtmosAir in over 300 different spaces for results.

— Dana Schneider, Portfolio Manager, JLL/ESRT

## RESULTS

Energy Star Certification was achieved on all buildings.

Improved indoor air quality was measured and validated.

AtmosAir is now installed in 6 ESRT buildings in NY and over 1.5M square feet of office space.



112 West 34<sup>th</sup> Street

## US Department of Defense Multiple Locations

### SITUATION

- AtmosAir was looked at as part of energy efficiency/IAQ strategy
- NEVESD has over 50 buildings on Fort Belvoir Campus

### IMPLEMENTATION

- AtmosAir installed into AHUs
- Air Sampling taken by Fort Belvoir team
- AHUs were metered and energy readings were taken
- ASHRAE 62. Indoor Air Quality Procedure Applied



Fort Belvoir, Virginia



# Case Study | US Department of Defense



Fort Belvoir Power and IAQ Testing	Before	After	Percentage Difference
<b>Power</b>			
Outside Air	40%	5% (5 CFM Per Person)	-35%
Energy Consumption Costs	\$363,232	\$306,235	\$56,996
Avg amps/kWh rooftop readings	29.6	23.06	28%
Avg kWh rooftop readings	3.44	2.65	23%
<b>IAQ</b>			
PM2.5	19	5	-74%
PM10	24	7	-71%

“We have tested multiple technologies. One thing we quickly noticed is that the AtmosAir systems are reliable and AtmosAir works. We have had good success with the products and have installed them in a number of buildings.”  
– Dennis Bonair, Chief Engineer, Fort Benning

## RESULTS

Systems were paid back in less than three years with HVAC cost savings. IAQ was dramatically improved.

FEMP (Federal Energy Management Program) report was produced on the AtmosAir case study at Fort Belvoir.

AtmosAir is now installed in > 50 US DoD Buildings including buildings at Fort Belvoir, Guantanamo Bay, Fort Drum, Quantico, Hiccum Naval Base, Fort Benning, Fort Lee, Camp Keyes, Walter Reed Medical Center and others.





# UBS

UBS  
Multiple Locations

## SITUATION

AtmosAir was installed initially to provide cleaner air in the daycare center in Stamford CT.  
Odors and stale work environment were present.

## IMPLEMENTATION

AtmosAir was installed throughout building.  
IAQ testing resulted in 90% VOC reductions and 60% PM2.5 reductions  
Reduced outside air intake in compliance with ASHRAE 62.1 IAQP



UBS Nashville

“AtmosAir has proved that they can help us provide a better IAQ and workplace for our employees. We have gradually increased the amount of AtmosAir installations throughout our portfolio and look forward to implementing the technology in more of our footprint.”  
— Michael Galle, Executive Director, Building Services and Infrastructure, UBS



UBS Stamford, CT

## RESULTS

AtmosAir now installed throughout Stamford location.

AtmosAir now installed throughout Nashville location.

AtmosAir being installed currently in Tennessee Operations Offices.



## **Gensler** Gensler Multiple Locations

### SITUATION

- In 2016, Gensler generated over \$1.18 billion in revenue, the most of any architecture firm based in the United States for the fifth year in a row.
- As of 2015, it operated offices in 46 cities in 16 countries worldwide.
- Gensler is constantly researching Indoor Air Quality and workplace wellness initiatives.

### IMPLEMENTATION

AtmosAir was first installed throughout Gensler's LA offices, 'The Gensler Jewel Box'.

Advanced air testing showed measurable reductions in IAQ contaminants:

- 40% reduction in VOCs
- 34% reduction in PM10 particles
- 30% reduction in PM2.5 particles



Gensler Jewel Box, Los Angeles

“AtmosAir has been a technology that we have been promoting since our installation in Los Angeles. We have now installed it in our brand new New York Offices as well as our Shanghai office. We are constantly promoting advanced air purification and air monitoring to our clients and we feel very secure with this product recommendation based around the extensive testing they have performed for us.”

— *Joseph Brancato, Principal, Gensler, New York*



## Results

AtmosAir has worked with Gensler on over 30 projects.  
AtmosAir is now installed in 5 Gensler offices.  
Gensler San Francisco is monitoring their air quality with AtmosAware indoor air monitors.  
Gensler produced a short video on AtmosAir technology in 2017.



Gensler New York

## **Deloitte.** Deloitte Multiple Locations

### SITUATION

- AtmosAir was installed to provide healthier air in specific areas of Deloitte University in Texas.
- Odors and a general stale work environment were present.

### IMPLEMENTATION

AtmosAir was installed and air testing showed VOCs were reduced by 73%. Although particle levels were low, PM10 size particles were reduced by 22%.

AtmosAir is installed in Deloitte offices around the US including:

- Deloitte at the Renaissance Center, Detroit, MI
- Deloitte at the 30 Rockefeller Plaza, New York, NY
- Deloitte at Peachtree Plaza, Atlanta, GA
- Deloitte (Minneapolis, MN)
- Deloitte at Texas Commerce Tower (Dallas, TX)
- Deloitte University – Dallas, TX



Deloitte at the Renaissance Center, Detroit, MI

## Google Google Multiple Locations

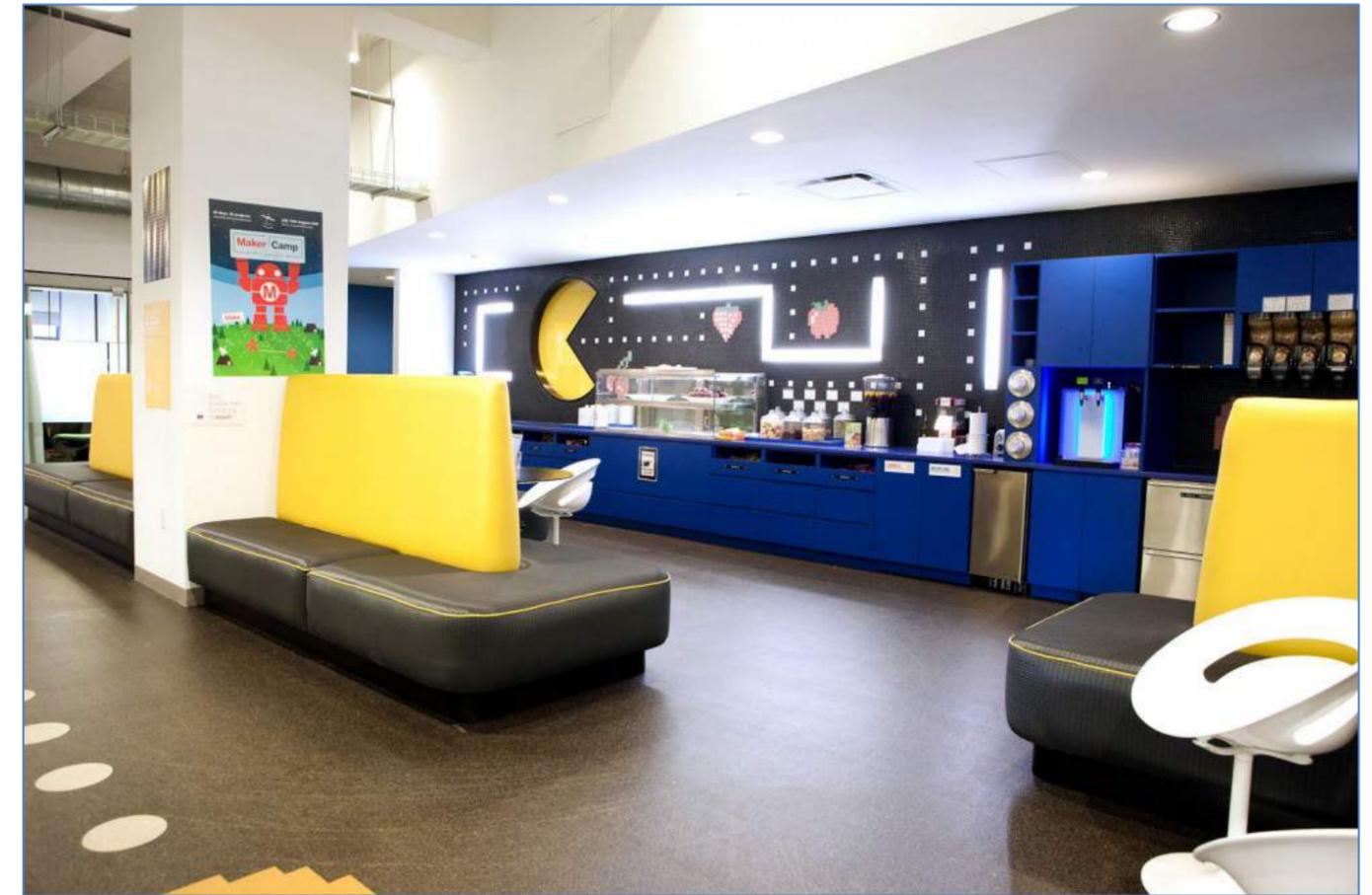
### SITUATION

General IAQ  
Kitchen Odors  
Typical Building Odors

### RESULTS

AtmosAir has been specified in kitchen and common areas by Gensler and MEP Consultants at various offices:

- 76 9<sup>th</sup> Avenue, New York, NY
- Google Orange County (Irvine, CA)
- Google Hercules Campus (Los Angeles, CA)
- Google @ 320 Hampton Drive (Venice, CA)



Google NYC



Ford  
Detroit, MI

## SITUATION

- In 2017, Ford had odor issues at their offices in Michigan.
- In an effort to evaluate AtmosAir they installed on the 3<sup>rd</sup> floor of their offices and did extensive air testing.

## RESULTS

AtmosAir was able to solve the issues and was subsequently specified into two of their new projects being built in 2017.



Ford Land Headquarters - Michigan

Element	TVOC	PM .03	PM .05	PM 1	PM 2.5	PM 5	PM 10
w/o AtmosAir	123.7	N/A	1.76	2.30	2.88	7.83	33.72
w/ AtmosAir	19.45	N/A	.657	.956	1.15	1.74	4.42
% Difference	-84%	N/A	-62%	-58%	-60%	-77%	-86%





## SITUATION

- The National Resources Defense Council (NRDC) demanded pristine indoor air quality for its employees in Beijing, China.
- Beijing has elevated levels of particles and VOCs due to industrial pollution and sandstorms at specific times of the year.

## RESULTS

- AtmosAir designed and installed 7 AtmosAir systems through NRDC's facility in Beijing.
- The AtmosAir installations have been successful at reducing PM2.5 particulates and TVOC gaseous contaminants. This installation is monitored by real time indoor air quality monitors.
- Daily Indoor Average: 25  $\mu\text{g}/\text{m}^3$
- Daily Outdoor Average: 134  $\mu\text{g}/\text{m}^3$
- Daily PM2.5 Reduction: 81.3%



NRDC Real Time IAQ Readings

# Case Study | Tower 45 – Kamber Management



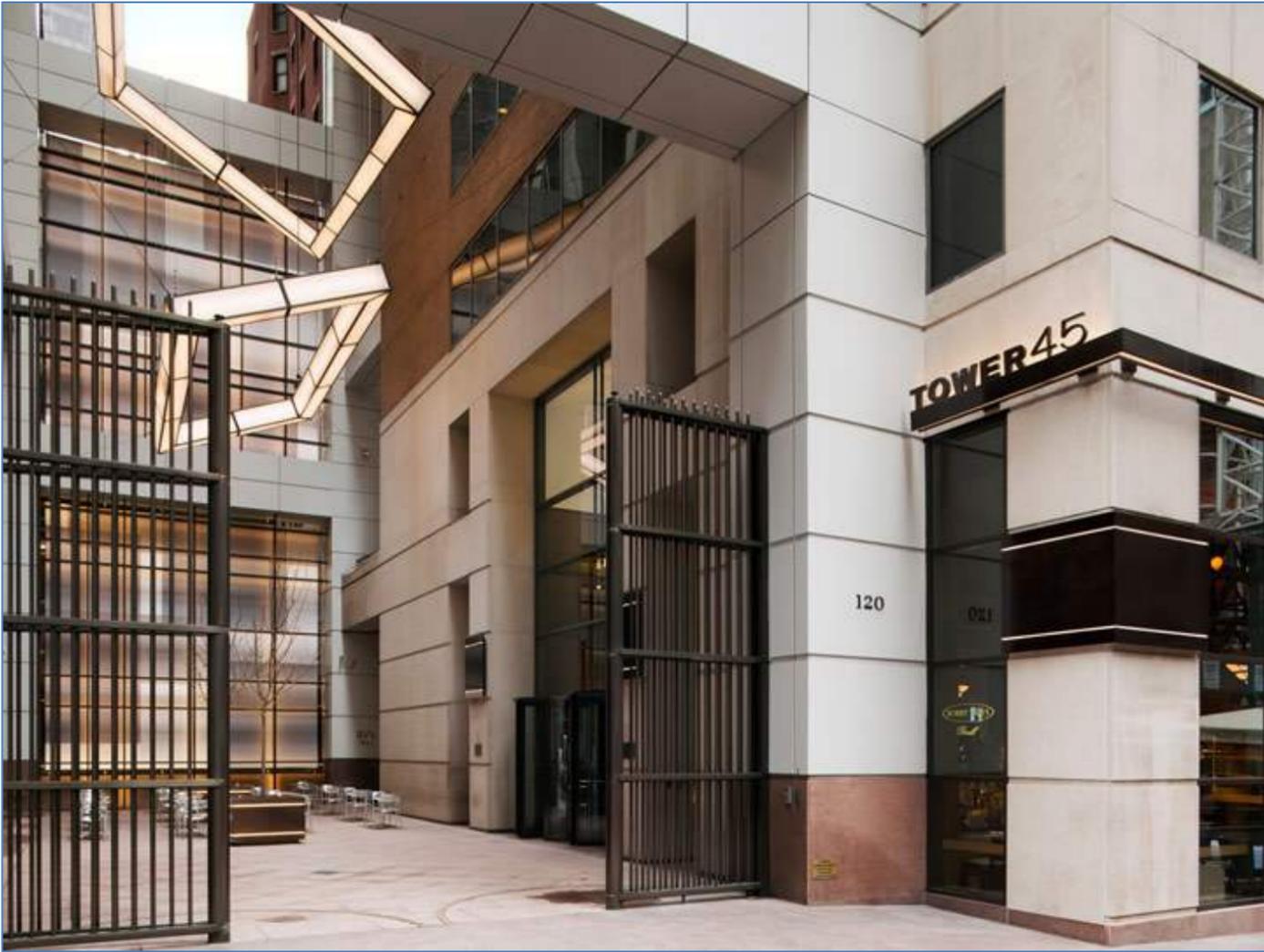
Tower 45 – 120 W 45<sup>th</sup> St.  
New York, NY

## SITUATION

Kamber Management wanted to improve indoor air quality, market air quality enhancements to tenants, and improve energy efficiency with AtmosAir.

## IMPLEMENTATION

AtmosAir was installed throughout building.  
IAQ testing resulted in 90% VOC reductions and 60% PM2.5 reductions  
Reduced outside air intake in compliance with ASHRAE 62.1 IAQP



Tower 45, New York City

# Case Study | Tower 45

“We have begun to track our air quality, market the air quality enhancements to potential tenants, and really believe AtmosAir is a game changer in a city that can really benefit from having fresh air.

— *Steve Levy, Principal, Kamber Management*



## RESULTS

- Improved indoor air quality was measured and validated.
- AtmosAir in Tower 45 was marketed in the Wall Street Journal, Crains and others.
- Air quality is being monitored 24/7/365.
- Annual energy savings modeled to be > \$50k annually.



# Case Study | Kilroy Realty Corporation



3900 Airport Way  
Long Beach, CA

## SITUATION

- AtmosAir was installed the air purification systems with a 50% reduction of outside air and see effect to IAQ.
- Baseline and post installation air tests were conducted by Healthy Buildings.
- 34 Individual VOCs were tested for as well as particle levels.

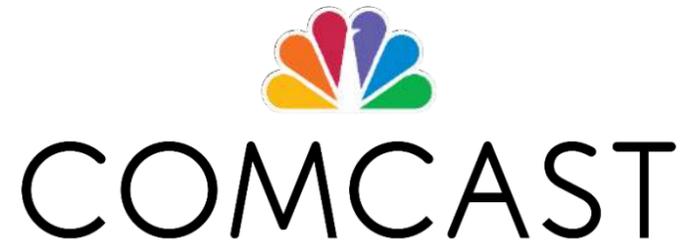
## RESULTS

- Overall better air quality levels were seen when AtmosAir systems were operating in comparison to baseline levels without AtmosAir.
- When outside air was reduced by 50% these improved levels stayed lower than baseline levels.



3900 Airport Way, Long Beach, CA

# Case Study | Comcast (NBC)



Comcast  
30 Rockefeller Center  
New York, NY

## RESULTS

AtmosAir has been installed in various areas of 30 Rock to mitigate odors and VOCs.



---

# Hospitality/Gaming





## Hilton Hotels and Resorts Multiple Locations

### SITUATION

- Opportunity to Increase Revenue with AtmosAir Wellness Rooms (allergy friendly rooms).
- Potential elevated levels of mold, bacteria, influenza in rooms.
- Five Feet to Fitness Guest Rooms

### IMPLEMENTATION

- AtmosAir signed strategic partnership with Hilton in 2016
- Rolled out to a number of hotels



Hilton 'Five Feet to Fitness' Wellness Room, Hilton McLean

# Case Study | Hilton Hotels and Resorts



“We have received great feed back on the rooms with AtmosAir installed. Everyone is noticing a difference in the air and we are excited to enhance our air filtration throughout our guest rooms and gyms.”

– *Melissa Walker, Director of Global Brand Fitness and Wellness at Hilton*

## Hiltons with AtmosAir Installed:

- Hilton McLean (Headquarters)
- Hilton New York
- Hilton Saratoga Springs, NY
- Hilton Dallas Anatole
- Hilton Austin
- Homewood Suites by Hilton Times Square

The Hilton logo, consisting of the word 'Hilton' in a bold, serif font, enclosed within a black rectangular border.



Hilton New York City

# Case Study | Hard Rock Hotel and Casinos



## Tampa Hard Rock/Hollywood Hard Rock Florida

### SITUATION

- Seminole Tribe of Florida owns and operates seven casinos in FL.
- Hollywood Hard Rock and Tampa Hard Rock in FL are both in the midst \$1 billion + renovations.
- AtmosAir was installed in various areas of Tampa Hard Rock and Hollywood Hard Rock.

### IMPLEMENTATION

- AtmosAir was installed in various areas of both casinos.
- Before investing further into the system, the Seminole tribe and the Hard Rock casinos hired a third party engineering firm to engineer an indoor air quality test with testing in four locations of the casino.
- A third party hygienist was responsible for sampling various parameters of air quality including: particulate matter 0.3-10, VOCs, and nicotine.



Hollywood Hard Rock, Hollywood, FL

“We have worked very hard with the AtmosAir team to improve our indoor air quality in our facilities. We are satisfied with the improvements, we maintain the systems rigorously, and we are working everyday to make our environments the best gaming environments in the world.”  
– *Dave Miller, VP Development, Seminole Hard Rock*

## RESULTS

- 80% reduction in nicotine.
- 35% reduction in PM5 particles
- 19% reduction in VOCs
- All results recorded third party by NTS Environmental



# Case Study | Rush Street Gaming



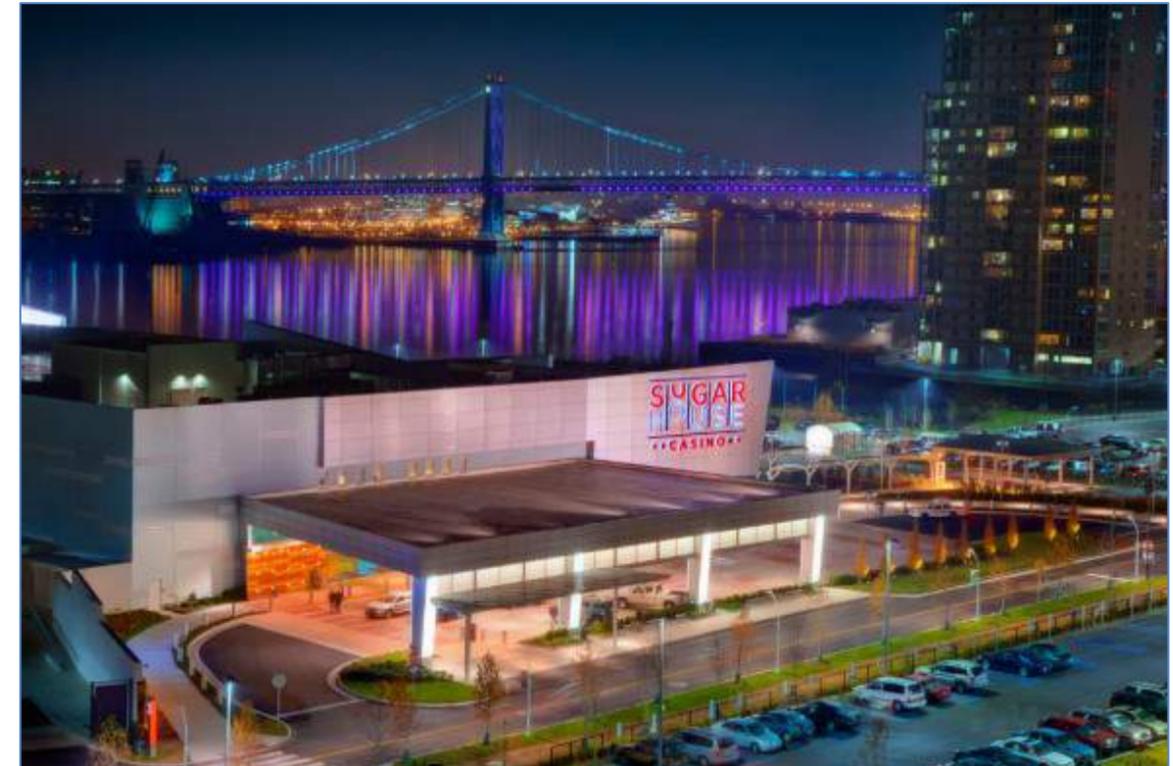
## Rush Street Gaming Multiple Casinos

### SITUATION

- Rush Street Gaming is the owner and operator of the major casinos in four leading US markets (Chicago, Pittsburgh, Philadelphia)
- DMA Associates serving as senior advisor to Rush Street Gaming recommended AtmosAir to Rush Street Gaming and Sugar House Casino Architect Cope Linder after a site visit to Tampa Hard Rock.
- Rush Street Gaming wanted to mitigate odors and complaints while providing better air quality for their employees.

### IMPLEMENTATION

- AtmosAir was first installed throughout SugarHouse casino in January or 2014.
- 75 AtmosAir 500 Series Systems were installed in the air handlers.



Above: SugarHouse Casino (Philadelphia)  
Below: Rivers Casino (Pittsburgh)

# Case Study | Rush Street Gaming



“We have been working with the AtmosAir team and our consulting engineers for over three years now. We first installed in SugarHouse, had success, then installed throughout the 120,000 square feet of Rivers Casino. We have also recently installed in our new SugarHouse expansion. I recommend the system and the people behind the system as they strive to help us.”

– *Joe Scibetta, VP Development and Operations, Rush Street Gaming*

## RESULTS

- VOCs were reduced by over 80% in extensive air testing.
- Customer complaints have been decreased.
- AtmosAir eventually installed throughout SugarHouse and the 2016 expansion of SugarHouse (260k square feet) as well as Rivers Casino in Pittsburgh (120k square feet).



# Case Study | Revel Atlantic City



## REVEL Atlantic City, NJ

### SITUATION

- Revel Atlantic City Casino is one of the largest gaming spaces in Atlantic City (135k square feet).
- Revel installed AtmosAir throughout when they went from a non-smoking casino to a smoking casino. AtmosAir is used for smoke and odor control, to reduce employee absenteeism, and to improve energy efficiency.

### IMPLEMENTATION

- AtmosAir was specified by Giovanetti Shulman Associates, Consulting Engineers (GSA)
- AtmosAir was installed throughout the gaming floor.

### RESULTS

- “Our engineers recommended AtmosAir, and once installed we did not smell smoke or odors in the gaming space and the system obviously worked. I’d walk the floor and ask patrons if they smelled smoke, and 99 percent of the time they did not.”
- — John Lezenby, Director of Facilities, Revel Atlantic City



# Case Study | Revel Atlantic City



## REVEL Atlantic City, NJ

### SITUATION

- Revel Atlantic City Casino is one of the largest gaming spaces in Atlantic City (135k square feet).
- Revel installed AtmosAir throughout when they went from a non-smoking casino to a smoking casino. AtmosAir is used for smoke and odor control, to reduce employee absenteeism, and to improve energy efficiency.

### IMPLEMENTATION

- AtmosAir was specified by Giovanetti Shulman Associates, Consulting Engineers (GSA)
- AtmosAir was installed throughout the gaming floor.

### RESULTS

- “Our engineers recommended AtmosAir, and once installed we did not smell smoke or odors in the gaming space and the system obviously worked. I’d walk the floor and ask patrons if they smelled smoke, and 99 percent of the time they did not.”
- — John Lezenby, Director of Facilities, Revel Atlantic City



# Case Study | Norwegian Cruise Line



## Norwegian Cruise Line Multiple Ships

### SITUATION

- Gaming and common areas of NCL ships were having issues with odors, and smoke leading to passenger complaints.

### IMPLEMENTATION

- (17) AtmosAir 500 series systems were installed in (13) AHUs serving the ship.
- (6) AtmosAir Standalone systems were installed within the space in 'dead' areas where air flow was weak.

### RESULTS

- On board staff saw a noticeable difference in the air quality and passenger complaints were reduced.
- AtmosAir installations expanded from originally NCL's Epic Ship to the NCL Jewel and NCL Jade.





THE RITZ-CARLTON®

## Ritz Carlton Guest Rooms Air Testing Multiple Locations

### RESULTS

- Air testing for Ritz Carlton showed a significant reduction in ultrafine particles, particles that could increase asthma and allergy symptoms. Formaldehyde was also significantly reduced.



AtmosAir IAQ Testing at the Portman Ritz Carlton				
Contaminant of Concern	Before	After	Difference in one wk	Percentage Change
PM 0.3	3,694,251	423,921	3,270,330	-89%
PM 0.5	231,832	41,155	190,677	-82%
PM 1	49,864	28,024	21,840	-44%
PM 2.5	22,077	18,093	3,984	-18%
PM 5	3,374	2,567	807	-24%
PM 10	1,260	957	303	-24%
TVOC (PPM)	96	83	13	-14%
CO (Carbon Monoxide)	1.37	1.12	0	-18%
Benzene	53	42	11	-21%
Formaldehyde	54	10	44	-81%
<b>Weather Data:</b>				
Temperature ©	26.9	26.5	0	1%
Relative Humidity (%)	50	53	-4	-7%

---

# Arenas/Sports Facilities



# Case Study | Staples Center



Staples Center  
Los Angeles, CA

## SITUATION

AEG Facilities has set aggressive missions regarding energy efficiency and sustainability. AtmosAir and independent laboratory EMSL tested the air qualities in Staples Center's Lexus Club, a private dining room located inside the Staples Center. AEG/Staples Center engineering wanted a baseline measurement of contaminant levels with the air handling and filter systems operating as installed, and later with AtmosAir bipolar ionization systems working in the same air space, using reduced outside air. After a successful test in the Lexus Club, the Staples Center engineering team wanted to determine if AtmosAir systems generated an electrical energy savings when installed in a large arena.

## IMPLEMENTATION

The AEG Facilities engineering team tested HVAC power demanded in a "before and after" AtmosAir test. Weather conditions were identical. The "before" test was a 48-hour test with AtmosAir purification systems installed and operating, and the dampers set in a position for reduced outside air. The "after" test was a 48-hour test beginning immediately after the AtmosAir purification "before" test. The outside air dampers were returned to normal, automatic operation.



# Case Study | Staples Center



***“We have proven that the AtmosAir system does in fact provide cleaner air, and a savings in electrical energy. This system helps us in our efforts towards becoming more sustainable.”***

*– Bill Potoroff, VP, AEG*

## RESULTS



Air quality, especially gaseous elements, VOCs and TVoc, improved significantly from baseline measurements to measurements taken with AtmosAir systems installed and outside air reduced.

- Energy Savings: 21%
- PM10 Reduction: 25%
- TVOC Reduction: 90%

AtmosAir is currently installed throughout the entire arena. Third party air testing was performed by EMSL laboratories.



# Case Study | Dallas Cowboys



## DALLAS COWBOYS HEADQUARTERS & TRAINING FACILITY

### SITUATION

Dallas' goals were to be proactive with the overall environment inside locker rooms i.e. allergens, the danger of airborne illness such as Staph and MRSA, and other bacteria. System initially tested on a trial-basis in locker room areas.

### IMPLEMENTATION

Trainers, staff, and players were unaware of system installations commenting on improved air quality. Quantitatively, the trainers gave out less Cetirizine (Zyrtec, treats hay fever and allergy symptoms). Since the initial installation, AtmosAir has been installed throughout the entire 100,000 sq ft training facility including coaches' office, rehab areas, meeting rooms and administrative areas.



# Case Study | Dallas Cowboys



*“We had the system installed in the locker rooms and training center. The players, coaches and athletic trainers noticed an immediate difference. Some of our players that have allergies commented that they could breathe easier and the air was fresher and cleaner with no odors. In a locker room that was amazing to hear and we had it installed throughout the building and in select homes.”*

*— Stephen Jones, President and COO, Dallas Cowboys*



## RESULTS

Systems were paid back in less than a year due to HVAC cost savings. Not one case of MRSA or H1N1 Flu has been reported since system installation.

In addition, AtmosAir has been installed in the newly designed Dallas Training Center in Frisco, Texas which opened in 2016





University of Southern California John McKay Center

## SITUATION

AtmosAir systems were installed at the University of Southern California's John McKay Center. USC's new \$70 Million, 100,000-square foot athletic and academic facility is a powerful symbol of the rich USC history. Third party indoor air quality testing was completed to test the effects of the AtmosAir bipolar ionization technology.

## IMPLEMENTATION

USC chose 5 areas within the training facility for testing. They included the football training center, the weight room, the locker room, and two open spaces on the first and second floors.





University of Southern California John McKay Center



## RESULTS

AtmosAir improved indoor air quality significantly, and the reduction of particulate matter and TVOC was substantial.

PM10 particles are small enough to be breathed in and enter the lungs. These particles can cause illness and discomfort. TVOCs are gaseous elements that can cause odors and irritations.

- VOC Reductions: 90%
- PM2.5 Reduction: 50%
- PM10 Reduction: 95%

AtmosAir is currently installed in multiple USC Athletic Facility buildings, including the entire John McKay Center and Heritage Hall.

“At USC we believe performance both on and off the field is tied to IAQ and keeping our student-athletes healthy. AtmosAir has helped our facilities in many ways.” – Russ Romano, Assistant Athletic Director, USC



## SITUATION

- SOULCYCLE and Town Sports International use AtmosAir as a measure to control skin and soft tissue infections (MRSA) as well as other bacteria within their facilities within the United States.
- AtmosAir was specified in over forty SOULCYCLE facilities.



“We are happy to have the AtmosAir system working in our spinning studios. The air is clean and fresh and we feel we have the best spinning facility on the planet – the air quality is important though as we ride and it is a great system to have in place.”

– *Bevin, SOULCYCLE Instructor, NYC*

---

# Supermarkets





Gristedes Supermarkets  
New York, NY

## RESULTS

- AtmosAir decreased VOCs and particle levels.
- AtmosAir helped reduce bacteria count by 80%.
- The reduction was impressive, but the most important fact was that prior to AtmosAir being installed the bacteria contained Staph and other serious bacteria.
- After AtmosAir was installed, 100% of the bad bacteria was eliminated.
- Gristedes has over 30 locations in New York City



Element	TVOC	PM .03	PM .05	PM 1	PM 2.5	PM 5	PM 10
Without AtmosAir	123	N/A	6.97	10.52	13.33	20.85	26.23
With AtmosAir	58	N/A	5.45	8.49	11.30	17.52	23.42
<b>% Difference</b>	<b>-53%</b>	<b>N/A</b>	<b>-22%</b>	<b>-19%</b>	<b>-15%</b>	<b>-16%</b>	<b>-11%</b>

---

# Yachts/Marine



## Octopus and Meduse Yachts

### SITUATION

- Paul Allen's goal was to be proactive with the IAQ onboard his \$250M super yacht, Octopus.
- Boats can have elevated levels of bacteria that can be transferred via the air such as norovirus and staph.
- Octopus is a top ten yacht in the world at 416 feet.

### IMPLEMENTATION

- In 2014, systems were installed in 2014 on the Octopus and results were great.
- Immediate perceptual results were noticed.
- In 2015 AtmosAir installed throughout Mr. Allen's second yacht, Meduse.



---

# Mold Spore Case Studies





Florida Power and Light  
Plantation, FL

## Detail

Florida Power and Light chose to perform mold spore as they felt it was a relevant contaminant to study given some of the history associated with this building and the climate of Florida where mold and mold spores can be of a concern.

## Results:

>95% Reductions in Cladosporium  
Mold Spores, Penicillium/Aspergillus  
Types



# Mold Case Study | Lincoln Center



the  
**LINCOLN**  
center  
Lincoln Center  
New York, NY

## Detail

Director of Engineering at Lincoln Center was concerned with mold and air quality in basement areas and areas that were under-ventilated.

AtmosAir was installed to improve IAQ and reduce mold levels.

## Results:

>95% Reductions in Cladosporium  
Mold Spores, Penicillium/ Aspergillus  
Types



# Mold Case Study | Greenwich Middle School



## Greenwich Middle School Greenwich, CT

### Detail

Greenwich ISD had AtmosAir installed to improve IAQ. In 'pre' AtmosAir testing there were elevated levels of mold spores and in after testing there was no mold spores present in the classroom that was tested.

### Results:

>95% Reductions in Basidiospores



# Mold Case Study | Master Purveyors



Master Purveyors  
New York, NY

## Detail

Mold testing was done for Master Purveyors meat processing plant. Before tests showed elevated levels of Periconia mold spores. After AtmosAir installation testing showed no measurable mold spores.

## Results:

**>95% Reductions in Periconia**



# Mold Case Study | Stamford Health System



 **STAMFORD HEALTH**  
HEALING. REIMAGINED. **Stamford Health System**  
Stamford, CT

## Detail

Tully Health Center's locker room had mold and odor issues. AtmosAir was installed. After installation testing confirmed reductions in mold spores.

## Results:

>95% Reductions in Ascospores,  
Penicillium | Aspergillus types



# AtmosAir Healthcare Projects

---

- Hospital for Special Surgery (NY)
- VCU Health (VA)
- Stryker Laboratories
- Wilson Memorial Hospital (NY)
- VA Maryland Health Care System
- Carolinas Health Care System (NC)
- Syracuse VA Medical Center (NY)
- Walter Reed Medical Hospital (MD)
- Winthrop-University Hospital (NY)
- Boston Children's Hospital (MA)
- Broward Health (FL)
- Jackson South
- Middlesex Hospital (CT)
- Maine Medical Center (ME)
- Susquehanna Health (PA)
- Northwell Health (NY)
- St. Mary's (Chicago)
- Ashley Regional Medical Center (UT)
- Banner Health System (AZ)
- Methodist Hospital (TX)
- University of Maryland Medical Center (MD)
- Hamad Healthcare (Qatar)
- Stamford Health (CT)

# AtmosAir Sports Projects



# AtmosAir Has Been Built on Results

