

CLEANER AIR FOR EVERY OFFICE

Bharti Realty Limited, a leading real estate company creates cleaner, safer indoor air for its employees, tenants, and visitors with the help of the Honeywell EAC+UVGI solutions.

Case Study



Honeywell



"With research showing certain viruses may spread through shared air, it is imperative for developers to upgrade the HVAC systems of buildings. Installation of ESP+UV filters is yet another testament to our unwavering commitment to provide a safer workplace to our employees and

tenants. Partnering with Honeywell, one of the best tech solution providers globally, we installed ESP+UV filters in all the common areas of Worldmark Aerocity and the entire buildings of Bharti Crescent and Airtel Centre to **provide a safer working environment for its employees, tenants, and**

partners. Our marquee office property 'Atelier' which comes as an ideal example of a 21st century development, designed with the new norm working much ahead of its time already boasts of ESP+UV filters in its entire facility."

- MR. S.K. SAYAL

DIRECTOR & CEO, BHARTI REALTY LIMITED

Bharti Realty Limited has developed various marquee projects which feature modern commercial office spaces and retail spaces. Some of the award-winning developments like Bharti Crescent, New Delhi, Airtel Centre,

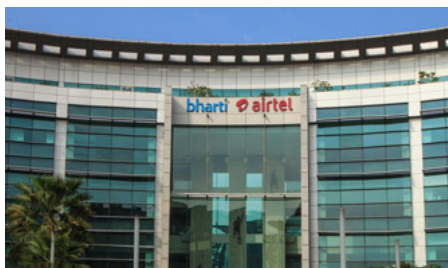
Gurgaon, and Worldmark, New Delhi are already propelling the industry standard forward. In a quest to deliver a safer and healthier working environment for employees, tenants, and partners alike, Bharti representatives decided

to upgrade the buildings' HVAC systems to improve indoor air quality (IAQ). Project officials turned to Honeywell, a trusted partner, to install EAC+UV solutions at the **Airtel Centre, Bharti Crescent, and Worldmark.**

THE NEEDS

- Improve indoor air quality (IAQ) by reducing PM2.5 levels and lowering the Air Quality Index (AQI)
- Adhere to guidelines of renowned associations such as ASHRAE and ISHRAE
- Enable a safer and more productive working environment

INDEX	BEFORE HONEYWELL UPGRADE	AFTER HONEYWELL UPGRADE
AQI levels	>200*	<50*
PM2.5 levels	150ug/m3*	<25ug/m3*



Bharti Crescent, Gurgaon



Worldmark, Gurgaon



Airtel Centre, Gurgaon

THE SOLUTION

Air quality is a constant concern in Delhi with the quality of outdoor air that impacts indoor air too. Many companies in the region make IAQ a priority to create more comfortable and safer working environments. The Bharti Realty team worked to better the IAQ at its properties including **Bharti Crescent, Worldmark and Airtel Centre**, with a pilot program that allowed it to create higher filtration and cleaner air without impacting the building's existing HVAC system.

Working with Honeywell and its technical teams, Bharti installed Electronic Air Cleaners (EACs) on its Treated Fresh Air units (TFAs) and Air Handling Units (AHUs) on one floor in Airtel Centre. After initial deployment, the Honeywell EACs were installed throughout the entire building, resulting in AQI and PM2.5 levels significantly improving inside despite the outdoor conditions worsening day by day.

In 2020, the COVID-19 pandemic

challenged the Bharti Realty team to relook at the indoor air quality. Following recommendations from ASHRAE and ISHRAE, the team worked to further address its air filtration and cleaning systems to help reduce the spread of airborne contaminants and make the buildings healthier and safer for its occupants. More importantly, the building is already with filtration systems higher than what is recommended by ASHRAE and ISHRAE. Bharti worked with Honeywell to further enhance the system by incorporating UVGI solutions on the cooling coils in AHUs to inactivate microbial growth. With Honeywell's modular UVGI solutions, the upgrade was a simple option to execute.

UV lights, when used properly, inactivates viral, bacterial, and fungal organisms so they are unable to replicate and potentially cause disease. Additionally, the EACs can filter particles of even 1-micron size, helping to reduce pathogens and particles.

THE BENEFITS

- Improved Air Quality Index (AQI) after deploying the Honeywell EAC+UV
- Reduced PM2.5 and PM10 levels
- Enhanced indoor air ventilation and quality across the entire site
- Provided a real-time IAQ data monitoring solution
- Increased building comfort levels, enabling safety and employee productivity

For more information,

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