Proof of Value (“POV”) Report

Prestige

Aura Air

August, 2022

Aura Air®

About us

Our Company

We improve the health of others by assisting them with one of the most important things in life - breathing. Our innovative air management system eliminates 99.9% of harmful airborne pathogens such as SARS-COV-2 and Influenza A while providing real-time data, insights, and recommendations.

Founded
2018

Countries
87

Sq. Ft of Clean Air
+8,150,000

Warehouses
5

Listed in TASE
AUSA

Manufacturing
Beit-el industries

Key Indoor Air Quality (IAQ) Indicators

POV Report

Air Quality Index (AQI)

AQI is calculated based on the air quality parameters according to world-standard of air quality. AQI is usually measured on a scale of 0-500 with 500 indicating the most hazardous environment. AQI less than 50 is considered excellent and AQI less than 100 is considered good.

Particulate Matter (PM) 2.5 & PM 10

These particles include coarse particles with a diameter of 10 µm or less (PM10) and fine particles with a diameter of 2.5 µm or less (PM2.5). PM10 includes particles such as dust, pollen, and mold. PM2.5 includes particles such as combustion particles, organic compounds, metals, bacteria and more. They are also reported to be the major carriers of microorganisms. The effects of inhaling particulate matter that has been widely studied in humans and animals include asthma, lung cancer, respiratory diseases, cardiovascular disease, premature delivery, birth defects, low birth weight and premature death.

Volatile Organic Compounds (VOCs)

VOCs are compounds that easily become vapors or gases. They are released from burning fuel such as gasoline, wood, coal or natural gas. In indoor environments, they are also released from many consumer products such as cigarettes, solvents, paints, glues, wood preservatives, cleaners, disinfectants, air fresheners, building materials, pesticides and more.

Carbon Dioxide (CO2)

CO2 is a colorless gas that is naturally presented in the earth's atmosphere. It is produced by all organisms on earth. In high concentration it can have harmful effects that may include headaches, dizziness, restlessness, difficulty breathing, tiredness and increased heart rate.

WELL-Standard

The WELL Building Standard® is a performance-based system for measuring, certifying, and monitoring features of the built environment that impact human health and wellbeing. WELL mission is to improve human health and wellbeing through the built environment. WELL is grounded in a body of medical research that explores the connection between the buildings where we spend more than 90 percent of our time, and the health and wellness of its occupants.

Abstract

POV Report

Company name	Locations	Aura Air
Prestige	Mount Pleasant	1 device

It is no secret that indoor air quality has recently been brought to the forefront of concerns and for good reason, as it is the leading factor that impacts cognitive performance and overall well-being. Prestige partnered with Aura Air in 49 of their locations for a 3 week proof of value (POV) to test AQI reduction and to achieve financial benefits while improving tenants health environment and wellbeing. This report is focused on one location, Mount Pleasant, where 1 device was placed in the dining area. Our devices provide real-time air quality real-time measurements .

The following results are a clear indication of Aura Air's ability to dramatically improve the air quality in this environment and help reduce health risks.

The Main Achievements

AQI Improvement
Time spent in good air quality is 94.5%

Reduce infection Rate
As a result of reducing VOCs and PM2.5 particles.

Green Building Certification
Helping you achieve your goals with up to 7 LEED points and 11 WELL points

Introduction

POV Report

Residents of nursing homes, most of whom are 65 or older, often have chronic medical conditions and reduced immune systems. Additionally, most of their time is spent indoors, where contaminants are known to be at least five times higher than the outdoors [1] [2] .

Studies have revealed that indoor air pollutants negatively affect the respiratory health of elderly nursing home residents at a rapid rate. Suboptimal air quality increases acute and chronic inflammation, oxidative stress on target organs, and worsens underlying pulmonary and cardiovascular diseases [3]. **Particulate matter (PM2.5 & PM10) and volatile organic compounds (VOC) increase inflammation and pulmonary infections while PM2.5 can also be the cause of high blood pressure** [4] [5]. In addition to cardiovascular events, PM2.5 exposure is associated with the length of CVD-related hospital stays and costs associated with in-hospital medical care that results in increased "Empty Beds" in nursing homes [6].

Exposure to indoor air pollutants even at low concentrations can lead to sudden health deterioration resulting in urgent care needs. [7] As a result of hospitalizations, insurers withhold or limit payments to nursing homes for "empty bed days". “Empty bed days" can cause nursing homes financial difficulty.

Nursing homes can improve residents health and increase profitability by optimizing indoor environmental factors, including indoor air pollution.

[1] Wallace, Lance A., et al. Total Exposure Assessment Methodology (TEAM) Study: Personal exposures, indoor-outdoor relationships, and breath levels of volatile organic compounds in New Jersey. *Environ. Int.* 1986, *12*, 369-387.

[2] Bentayeb, M. Indoor air quality, ventilation and respiratory health in elderly residents living in nursing homes in Europe. Eur Respir J 2015; 45: 1228-1238

[3] Ailshire, J. Fine particulate matter air pollution and cognitive function around older US adults. Am J Epidemiol. 2014;180(4):359–366.

[4] Yang, L., Li, C., & Tang, X. (2020). The Impact of PM2.5 on the Host Defense of Respiratory System. Frontiers in Cell and Developmental Biology, 8. https://doi.org/10.3389/FCELL.2020.00091

[5] Lin, H., Guo, Y., Zheng, Y., Di, Q., Liu, T., Xiao, J., Li, X., Zeng, W., Cummings-Vaughn, L. A., Howard, S. W., Vaughn, M. G., Qian, Z., Ma, W., & Wu, F. (2017). Long-Term Effects of Ambient PM2.5 on Hypertension and Blood Pressure and Attributable Risk among Older Chinese Adults. Hypertension, 69(5), 806–812. https://doi.org/10.1161/HYPERTENSIONAHA.116.08839/-/DC1

[6] Kaihara, T., Yoneyama, K., Nakai, M., Higuma, T., Sumita, Y., Miyamoto, Y., Watanabe, M., Izumo, M., Ishibashi, Y., Tanabe, Y., Harada, T., Yasuda, S., Ogawa, H., & Akashi, Y. J. (2021). Association of PM2.5 exposure with hospitalization for cardiovascular disease in elderly individuals in Japan. Scientific Reports 2021 11:1, 11(1), 1–8. https://doi.org/10.1038/s41598-021-89290-5

[7] Reddy, M., Heidarinejad, M., Stephens, B., & Rubinstein, I. (2021). Adequate indoor air quality in nursing homes: An unmet medical need. Science of The Total Environment, 765, 144273. https://doi.org/10.1016/J.SCITOTENV.2020.144273

Results

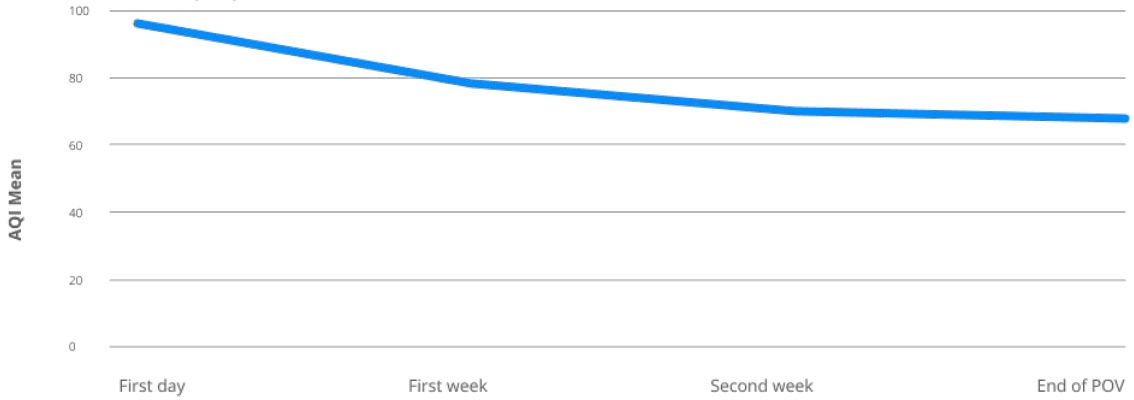
POV Report

AQI

There is a clear difference in the air quality index (AQI) for the duration of our analysis. The POV illustrates the direct impact Aura Air has had on the improvement of Mount Pleasant's indoor air quality.

During the POV, **the AQI levels significantly improved at an average of 31.6%**. The AQI was able to show this type of change as a reflection of the VOC's decreasing 59.98% and keeping the PM2.5 under 2 µg/m^3 on average.

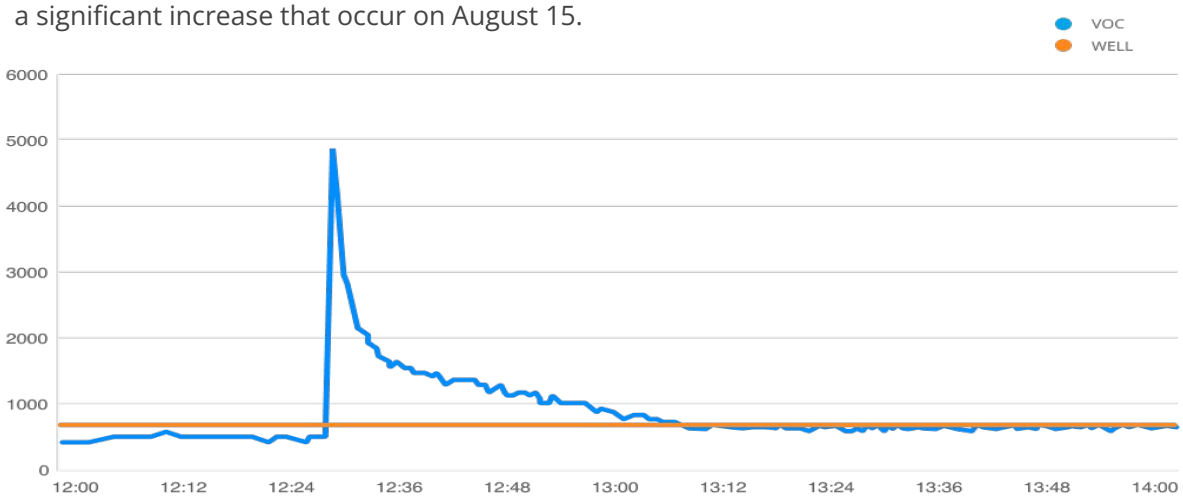
The steady decrease in the AQI levels make the work environment healthier and safer for tenants and employees.



VOC

Volatile organic compounds, or VOCs, are gases that are emitted into the air from products or processes. VOC levels must be kept as low as possible, as they pose severe health risks.

During the POV, **the VOC levels significantly improved at an average of 59.98%**.
During the three weeks of the POV, approximately 250 events of crossing the WELL threshold were measured for VOC values, over 85% of which were during noon hours. In less than 8 minutes on average, Aura Air treated these events and returned the VOC's levels values to normal. As shown in the chart below Aura Air was able to mitigate VOC levels in response to a significant increase that occur on August 15.



Results

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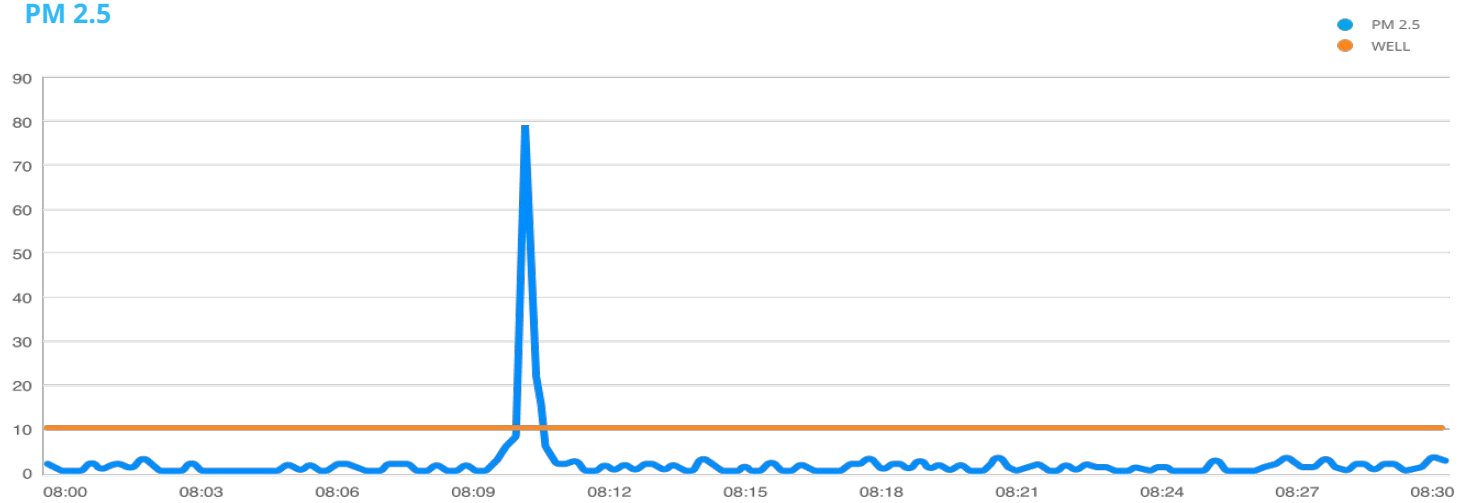
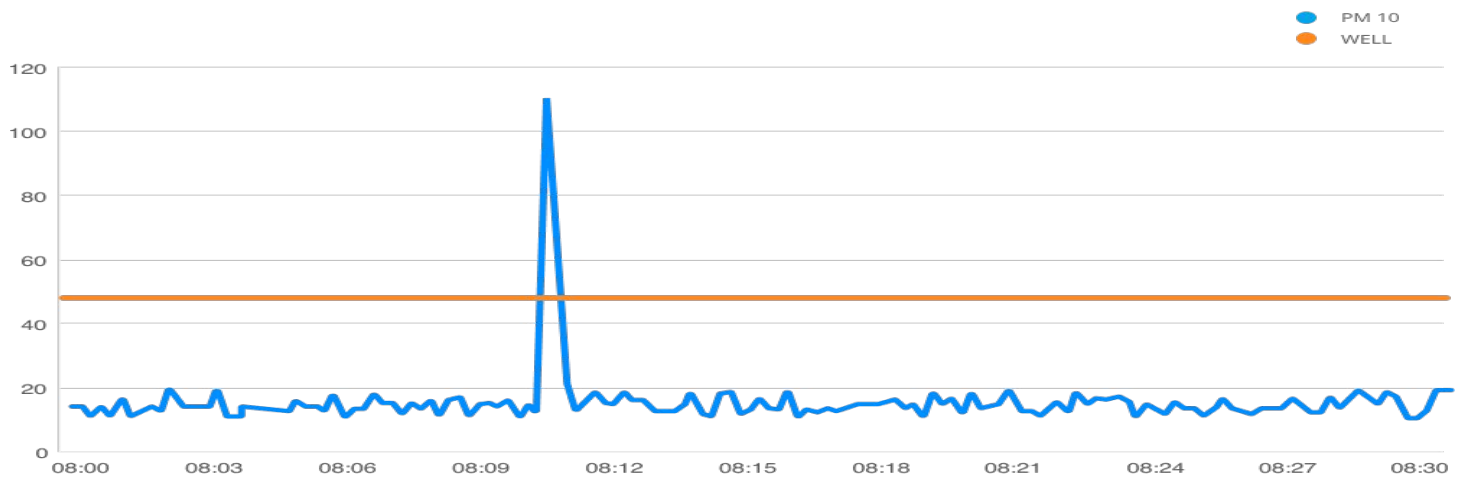
PM 2.5 & PM 10

The elimination of PM2.5 and PM10 from indoor environment has shown to be very important as it poses a number of health hazards. **Exposure to PM2.5 and PM10 is associated with COVID-19 incidence and mortality**[8]**.** During the POV, PM 2.5 and PM 10 levels spiked sharply above the WELL standard on several occasions. **In less than a minute, the Aura Air® responded to the increase in concentration and eliminated the hazard**. An indication for Aura Air performance is shown in the chart below in an event that occur on August 19. Previous studies from Aura Air have shown that without the device running, PM 2.5 and PM 10 will continue to increase monotonically and takes on average an hour to decrease.

PM 2.5



PM 10



8 Czwojdzińska, M., Terpińska, M., Kuźniarski, A., Płaczkowska, S., & Piwowar, A. (2021). Exposure to PM2.5 and PM10 and COVID-19 infection rates and mortality: A one-year observational study in Poland. Biomedical Journal, 44(6), S25–S36.

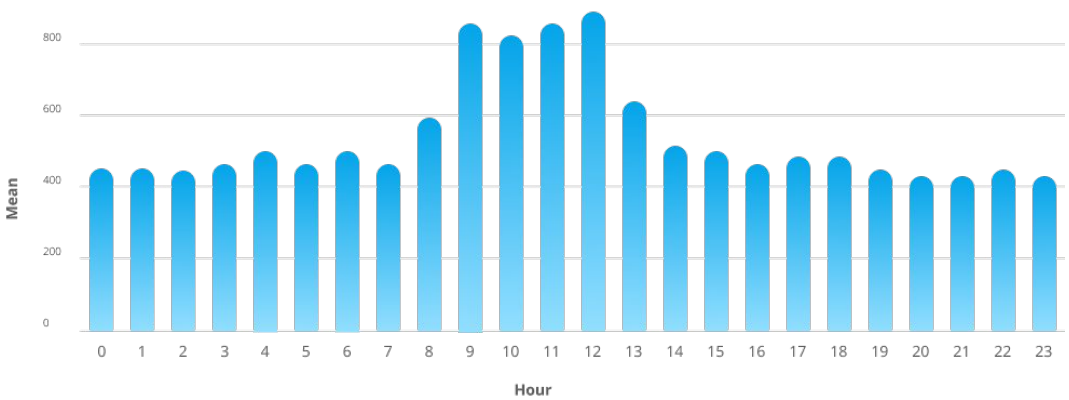
Results

POV Report

CO2

Throughout the POV the Aura Air ® device monitored the CO2 levels in the facility. Below is an hourly chart of CO2 concentration for the entire POV period.

With Aura Air and it's monitoring capabilities you will be able to save up to 25% on your energy cost and make your facilities more energy efficient.



Monitoring and data collection

Aura Air has a one of a kind monitoring platform that allows access to all of your asset's data 24/7 in real-time. With the Aura web platform you can get actionable insights that will help you improve your indoor air quality, productivity, energy consumption and overall health.

Conclusion

POV Report

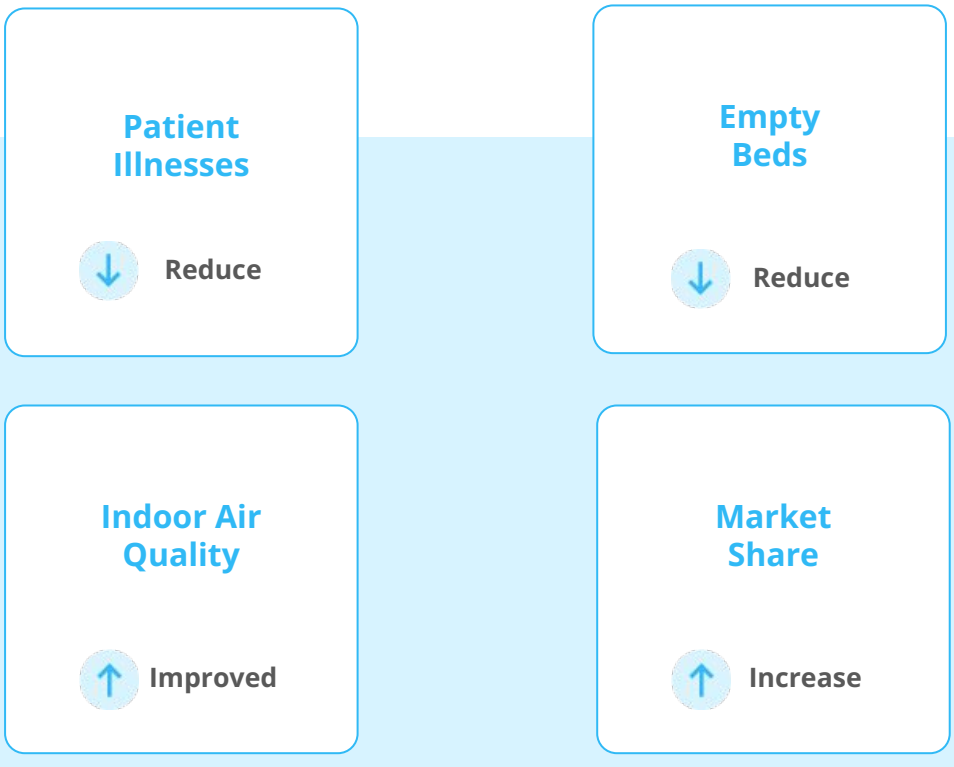
In conclusion, our trial has demonstrated **Aura Air's ability to mitigate threats and add substantial impact on Mount Pleasant's air quality**. This aligns with directly with Presige's mission to provide healthier and safer environment for tenants and staff.

Poor indoor air quality dramatically affects health, may cause acute illness and damages productivity and cognitive performance.

With an **improvement of 59.98% in VOC levels**, Aura Air helps reduce health risks such as headaches, poor coordination, and nausea can be avoided and a possible risk for cancer. PM2.5 & PM10 are a major factor in the spread of diseases. **Aura Air maintains extremely low levels of PM2.5 & PM10, reducing the chances of infection, long-term health effects, and even death**.

Improving IAQ can lead to:

- Reduce the number of patient illnesses and deaths.
- Reducing the number of transfers to acute care hospitals.
- Avoid room rearrangements to accommodate patients with infections.
- Avoid empty beds.
- Improve market share by demonstrating to families a comprehensive approach to care.
- Staff retention



Aura Air

Breathe Easy

Aura Air® created the world's smartest data-driven air purification system, one that cleanses indoor air while vigilantly monitoring the quality in real-time. With an award-winning design and patented technology, the system eliminates 99.99% of harmful airborne pollutants.

Founded in 2018, Aura Air ® helps to purify the air in homes, hospitals, schools, businesses, hotels, restaurants, buses, and nursing homes in more than 50 countries worldwide.

For more information, visit:
www.auraair.io