

Lotus House is a woman's shelter funded by the Sundari Foundation. They house over 500 women and children per year. They provide mini apartments, education, medical care, counseling, job training and job placement. They are located in the Overtown section of Miami in a state-of-the-art 3-year-old building.

When the Pandemic hit, they were concerned for the wellbeing of their occupants. They did extensive research on the available ways to combat it. They looked at bipolar ionization as it was the touted technology, only to find out that it did not actually eliminate the virus. They next investigated Photo-catalytic Oxidation. They found that it created both excessive ozone to remove odors and formaldehyde, while it did little to nothing on biological contaminants.

Finally, they researched what was being recommended by independent authorities like the CDC and ASHRAE and found the best avenue was Ultraviolet Germicidal Irradiation. ASHRAE, the American Society of Heating, Refrigeration, and Air Conditioning Engineers, had actually recommended this back on April 14, 2020. Unfortunately, the other technologies were providing deceptive claims about what they could actually do, so it took until June to discover what actually worked.

Katy Roth, the Director at Lotus House discovered a company called Sanuvox Technologies that had been producing the exact products being recommended by the CDC and ASHRAE for the last 25 years. They had a proven track record of eliminating the dangers of biological contaminants in the air and on surfaces. During the Anthrax scare back in 2001, the US Government trusted this company to protect military installations and hospitals.

Katy started with hospital-grade surface disinfection. Her team at Lotus House sanitized every common area each night with 4 hospital-grade UV-C towers. The next phase was installing several Sanuvox air purification systems. They used a combination of R Max residential units as well as BioWall and Quattro commercial air purification systems. Every common area was being disinfected and the air made safe to breathe. Lotus House is now the safest place in Miami to breathe air indoors!

This has all been paid for by a generous grant. Katy is currently getting funding to install air purification units into all the 48 living quarters, and to acquire Sanuvair® S300 units from Sanuvox for the laundry rooms. This unit is a combination of UV-C purification with multi-level filtration, including HEPA, that the CDC is recommending for school reopening.

Lotus House deserves a lot of credit for the care they've taken to protect its residents. They did everything that science offers to combat this virus. Their actions will pay tenfold when the health-saving costs are factored in by reducing or eliminating almost every other biological contaminant that floats into their building.

If you would like to contribute to help Lotus House install the remainder components in the living quarters, please visit [lotushouse.org](http://lotushouse.org) and see the good work they are doing and contribute accordingly.