

**Your  
Precious Possessions  
Deserve The Best of Wellness**

Ensuring Quality of the Air for your loved ones



**Q<sub>2</sub>ttu**

**Automated Indoor  
Air Quality  
Conditioner**

Helps enhancing Primary Conscious Energy

Avatar Renewables Pvt. Ltd  
[www.avatarrenewables.com](http://www.avatarrenewables.com)



**AVATAR**  
RENEWABLES  
ENERGY REINCARNATION

- ▶ Real Time Monitoring through Mobile App
- ▶ Automated Control by regulating fresh-air supply
- ▶ Wifi Enabled with USB connector for portability

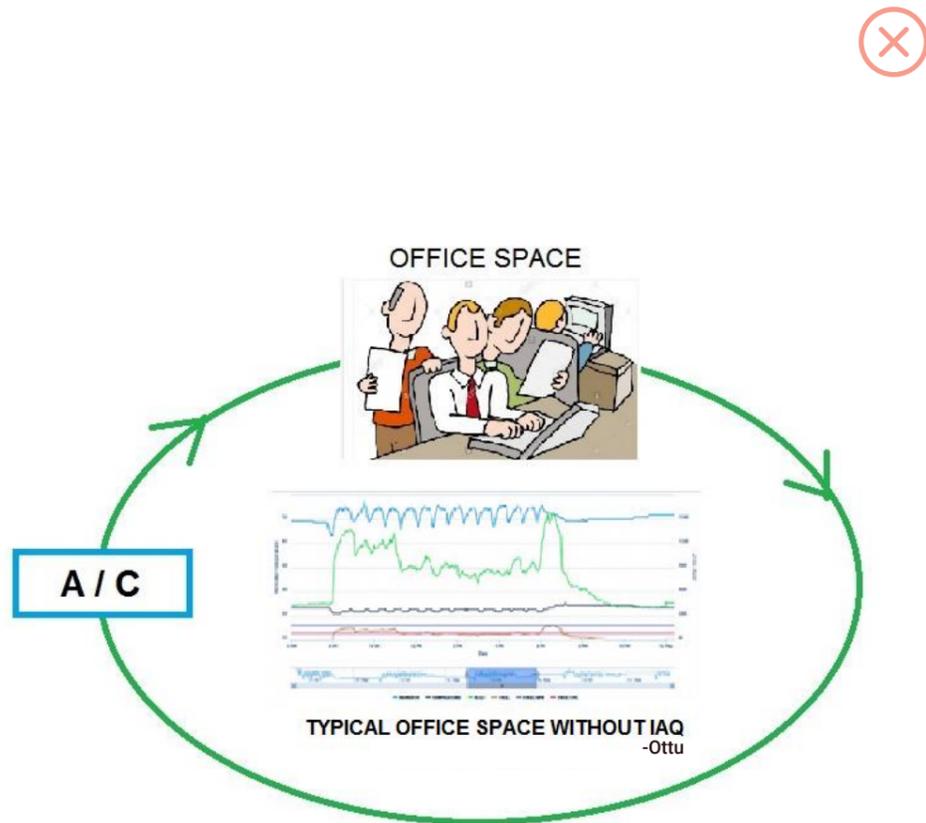
## Ottu -The Automated Air Quality Conditioner from Avatar

Ottu is a unique Indoor Air Quality Conditioner from Avatar Renewables which not only monitors the indoor air quality but controls the supply of fresh air to ensure balanced quality air supply in indoors. The device is designed to display TVOC (Total Volatile Organic Compounds), eCO2 (equivalent CO2), PM 2.5/10 (Particulate Matter), Humidity and Temperature. Ottu also records these data with time/date stamp locally as well as remotely through IoT. Ottu is used for efficient air quality management of office spaces, conference rooms, gymnasiums, multiplexes, auditoriums and homes. Ottu is capable of automatically turning ON/OFF filtered air supply in conjunction with HVAC or BMS.

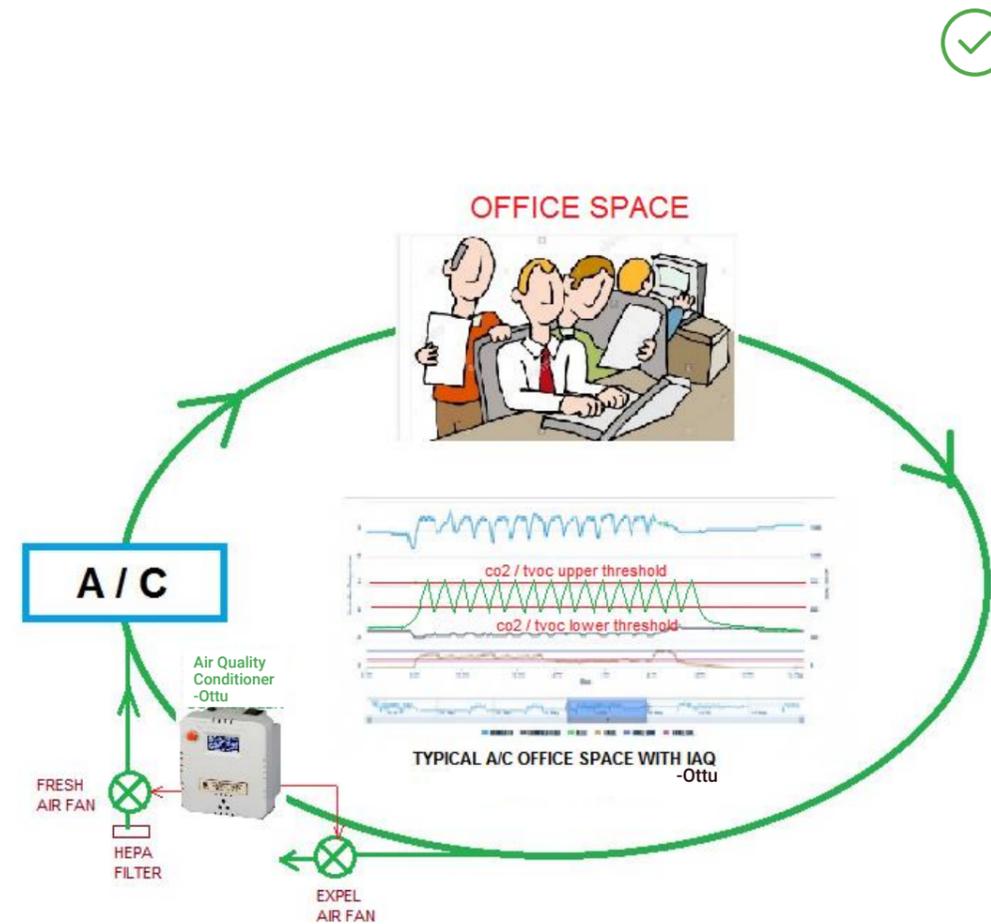
The remote management and reporting of Indoor Air Quality (IAQ) maintain quality work environment ensuring compliance with health standards.



# Ottu - Brief Functioning



Typical Office Space Without Avatar Automated IAQ - Ottu



Typical Office Space With Avatar Automated IAQ - Ottu



## Description of the parameters

- ▶ Humidity (% , 0 to 99) and Temperature (Degree centigrade, -40 to 99 )
- ▶ TVOC - (0-1187 ppb, parts/billion)
- ▶ eCO<sub>2</sub> - (400-8192 ppm, parts/million)
- ▶ PM<sub>2.5</sub>/PM<sub>10</sub> (particulate matter 2.5/10 microns size, micrograms/cubic meter)
- ▶ AQI (air quality index)





## Crowded Office Spaces Hazards

Crowded offices without air quality monitoring and clean fresh air supplementing lead to higher levels of TVOC and CO2 affecting health, cognitive ability, and agility / performance of inmates.

### Ottu Enabled office space benefits

- ▶ Cognitive Ability Improvement thereby enhancing productivity
- ▶ Improved supply of fresh air reduces discomfort, fatigue and bad effects of occupational health hazards
- ▶ Health advantages, reduced employee lost-time due to illness

## Health Hazards while trying to be Healthy

Poor air quality in gyms, with increased levels of TVOC, CO2 and PM affects cardio vascular ailments. Exercising in poor quality air can lead potential health problems, this is especially true if you have asthma, diabetes, or heart or lung conditions. During rigorous workouts in gyms, our body needs quality air.

### Ottu enabled fitness centre benefits to members

- ▶ General Health & Wellness of the members
- ▶ Satisfied customers with improved general health and fitness with quality air supply





## Congested Shop Floor Hazards

Added to the TVOC/CO<sub>2</sub> exhaled by staff, additional levels emanating from the products will raise the TVOC/CO<sub>2</sub> concentration in shop floors.

This will lead to health, cognitive and wellness issues.

### Ottu enabled shop floor benefits

- ▶ Enhanced agility, wellness and cognitive ability of staff increase productivity and quality
- ▶ Reduced absenteeism and reduction in insurance claims due to airborne diseases



**AVATAR**  
RENEWABLES  
ENERGY REINCARNATION

Avatar Renewables Private Limited, Kerala Technology Innovation Zone,  
Kinfra Hi-Tech Park, Kalamassery,  
Kochi, Kerala-683503

---

[www.avatarrenewables.com](http://www.avatarrenewables.com)  
Email: [info@avatarrenewables.com](mailto:info@avatarrenewables.com)  
Landline : 04843592389  
Mob : 8136815001