

Healthcare: Devices

COSMO for Rapid Sterilization of Air, Water & Surfaces

APPLICATION

Eta Purification's COSMO technology for indoor decontamination solutions provides 24x7 protection of both air and high-contact surfaces for densely occupied spaces

COMPANY NAME

ETA Purification Pvt Ltd

FOUNDER'S NAME

Dinesh Venkatachalam

TECHNOLOGY READINESS LEVEL (TRL)

TRL: 8 (Early Revenue Generation Phase)

INTELLECTUAL PROPERTY

Filing in progress

PROBLEM ADDRESSED

The emergence of new life-threatening microbes such as Covid-19 pose a serious threat to individuals and communities alike. In particular, healthcare settings face special challenges, where healthy frontline personnel are more vulnerable due to high exposure risk. It is therefore obvious that rapid and effective disinfection/sterilization of air, aerosol & high-contact surfaces is vital to prevent further contamination. The innovative COSMO systems that produce controlled concentration of free-radicals such as O_3 , OH^\cdot & NO^\cdot utilizing our patented & proprietary micro-plasma technology to eliminate the pathogen colonies and prevent contamination.

ABOUT THE TECHNOLOGY

Eta Purification's COSMO technology is backed by more than 15 years of R&D and protected by more than 80 international patents to offer efficient and effective solutions for humanity. Our philosophy is to utilize innovation for the betterment of the society using green principles. COSMO (Complete Sterilization by Micro-plasma Oxidation) utilizes the oxidative power of free-radicals, which are generated using our proprietary and patented non-thermal micro-plasma technology. The innovative products are scientifically validated by public health and safety organizations, research laboratories and industries for their effectiveness in the reduction of pathogens in air, water and surfaces.

Through continuous education, we help our customers understand the current global challenges that face humanity and provide solutions to create safer and cleaner environments.

FUNDS RAISED/ACHIEVEMENTS

- Supported with DST CAWACH fund of INR 1 cr

PRODUCT IMAGE



USP

- A broad-spectrum agent with sky-high efficiency levels
- Completely chemical-free and consumes very less little energy
- Designed and developed in the USA as per EPA standards
- Tested, validated and accredited by hygiene institutes (NSF, AMPC etc.)

END USERS/CUSTOMERS

- Hospitals & Healthcare Settings
- Mass Rapid Transport & Transit
- Food Processing and Storage
- Pharmaceutical Processing Facilities
- Professional Facilities
- Educational Institutions, Entertainment Facilities and more.