



## ENVIROPROCESS CONSULTANTS, INC. COMPLETES PROTOTYPE:

- **LOW-WAVELENGTH ULTRAVIOLET LIGHT HALO® WITH FAN**
- **COVID-ZAPPING DISINFECTION IN OCCUPIED PUBLIC SPACES**

**Gardena, CA (9 October 2020)** – Today, [EnviroProcess Consultants, Inc.](#) announces completion of a functional prototype of the [AIR-cX® Model 5R](#) air disinfection system for occupied indoor spaces. AIR-cX® is the first of multiple low-wavelength ultraviolet (UVC or [LUV™](#)) disinfection products by EP Consultants’ subsidiary, [LUV™ SYSTEMS, Inc.](#) As pictured, the patent-pending Model 5R has a fan and [LUV™ Light Halo®](#), which together capture breathing zone air, expose it to UVC lights, and return clean air back to the breathing zone in a room. [LUV™ SYSTEMS](#) products are:

- **PROVEN** against Covid-19 and most pathogens;
- **SAFE** for people and pets in occupied spaces; and,
- **AFFORDABLE** for personal and commercial markets.

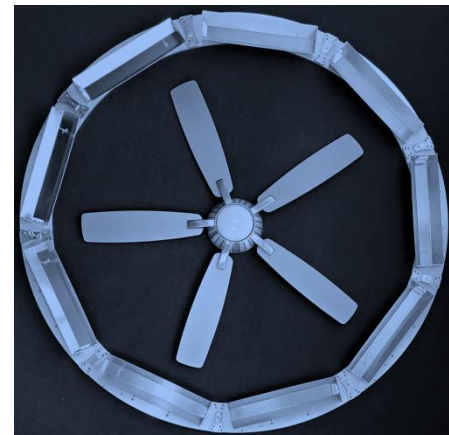
According to Danish Khatri, Principal Engineer at EP Consultants, the AIR-cX® design is based on “Covid-19 inactivation research at Boston University with the Model 5R light fixture, to disinfect the air in a 30’x30’ room in seconds.

“It literally takes your breath away without the need to expose people to ultraviolet light,” Khatri continues, and that, AIR-cX® models and finishes are offered for “various room configurations and interior design preferences.” Neeraj Chaudhary, Business Analyst, notes that [LUV™ SYSTEMS](#) products offer “affordable consumer and commercial products to accelerate the safe reopening of economies, while providing necessary peace of mind as people return to a state of normal in homes, offices, schools, retail and entertainment establishments, and transportation systems.”

Next steps are described by Anu Sood, Principal: “On the plate we have optimization testing, final AIR-cX® design, and official product launch, so stay tuned!” He is encouraged by progress to date, including “patent applications and actions, lab research on real-world surfaces with our AIR-cX® fixture and UVC inactivation of SARS-CoV-2, dose calculation, prototype design, and sourcing and production contracts.” For indoor air disinfection, EP Consultants has a proprietary dose algorithm to correlate viral inactivation surface results with indoor air disinfection dose rates.

Ultraviolet disinfection technology has been used for over 100 years in many applications including hospitals, laboratories, and water treatment facilities. EP Consultants’ products are designed with a 100x safety margin for acceptable exposures as established by FCC for devices such as cell phones.

EP Consultants’ [LUV™](#) product line includes personal and installed devices to disinfect surfaces and air while people are present and conducting their normal activities, *without direct human exposure.*



[Model 5R with Light Halo® \(frame only\).](#)

In addition to using a benign wavelength range and a >100x safety factor, the LUV™ products include motion, body temperature, tilt, and distance sensors, plus algorithms including a mobile app to automatically control and monitor operation of the devices.

These inventions were designed in America and Sood states “the products can easily be 100% manufactured in the United States. EP Consultants continues to seek business and governmental partners to continue research and development, secure international patents, and establish a manufacturing and distribution pipeline.”

EP Consultants is a broad-based environmental research and consulting company, with over 30 years of experience with air quality, disinfection and pollution control, transport/fate analysis, and environmental risk assessment. Our clients include Continental Airlines, US naval bases, Los Alamos National Lab, Santa Fe Railway, Huntsman Corporation, Clean Harbors, Los Angeles USD, and small businesses such as dry cleaners, foundries, and aerospace parts manufacturers.

Upon the advent of Covid-19, EP Consultants formulated a proprietary system with UVC lights to disinfect public spaces including the air people breathe and surfaces that they touch. We quickly assembled a team from MIT, Boston University, and Caltech to determine the unique UVC light wavelengths that are most effective at pathogen disinfection while maximizing public safety. Selected medical, photonics, and engineering experts were tapped to incorporate novel features to ensure safety and effectiveness for our LUV™ product line.

To assure the highest quality design and functionality for the LUV™ product line, we retained a team of intellectual property experts to craft and submit utility patent applications based on the EP Consultants product configurations, complete with operational parameters, sensors and algorithms, and a mobile app to operate and maintain the LUV™ products. Key members of our LUV™ team:

Name/Project Role	Affiliation	Education	Notes
<a href="#">Anu Sood</a> Project Manager	Principal, <a href="#">EP Consultants</a>	MIT – MS, BS	Professional Engineer, primary inventor.
<a href="#">Anthony Griffiths</a> Lead Researcher	Associate Professor, Boston University	Univ of Cambridge – PhD Univ of Reading - BS	School of Medicine.
<a href="#">Lev Bromberg</a> Research Advisor	Research Scientist, MIT	Moscow State Univ – PhD	<a href="#">Professor T. Alan Hatton Group</a> (chemical engineering).
<a href="#">Neeraj Chaudhary</a> Business Analyst	Associate, <a href="#">EP Consultants</a>	UC Berkeley - BA	Co-inventor.
<a href="#">Danish Khatri</a> Lead Engineer	Principal Engineer, Semiconductors	MIT – ME, BS	Electrical engineer.
<a href="#">Sandy Seth</a> Lead Counsel	Principal, Sethlaw PLLC	Univ of Houston - JD UT Austin - BS	General counsel.
<a href="#">Roy Sharma</a> QA Engineer	Systems Engineer, Boeing	Loyola Marymount University – MS, MBA	Testing and verification of safety and effectiveness.
<a href="#">John Holcomb</a> Former Senior IP Advisor	Partner, Greenberg Gross LLP *	Harvard - JD, MBA MIT - BS	* Former affiliation.

Please direct inquiries to EP Consultants at [LUV@epconsultants.net](mailto:LUV@epconsultants.net).

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