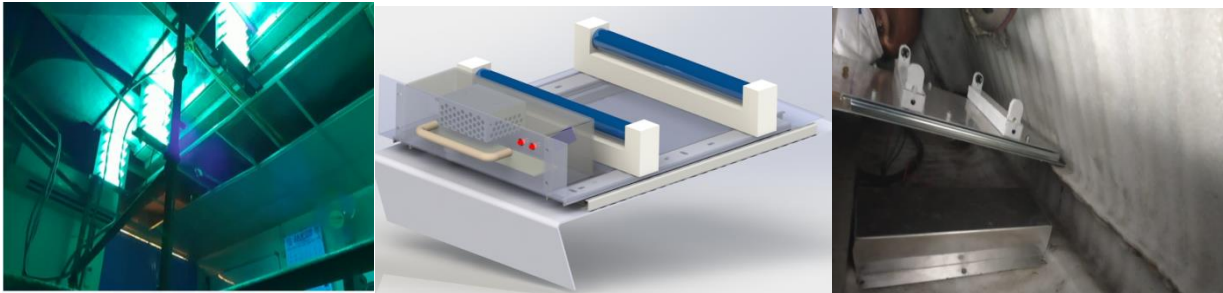


UV-C Disinfection Systems

CSIR-CSIO has developed and engineered Induct UV-C disinfectant system for HVAC ducts which has wide applications for disinfecting mechanically ventilated indoor spaces with a view to prevent the spread of Covid-19 like viruses, fungi, mold, bacteria etc. The retrofit UV-C system is designed to fit into any existing air-ducts / AHU with very minimal modifications. The virucidal dosages using UVC intensity and residence time have been optimized according to the existing spaces after considering the necessary air flow rates, shape and size of the air duct. The virus is deactivated in any aerosol particles or freely floating virus/bacteria in air and at the surfaces of the air ducts by the calibrated levels of UVC light.



Applications Sites

Air-ducts of HVAC SYSTEMS

- Applications in Auditoriums/Malls/Large HVAC Systems
- Buildings and Educational Institutions
- Applications in AC Buses, Railways etc.

CIRCULATING AIR FLOW SYSTEMS

- For Lifts “Purelevator”, Toilets, Washrooms etc.

Features of the CSIR Developed UV-C Systems

- Ergonomic Design
- Retrofit, Minimal Changes, Maintenance Friendly
- Optical Modelling and Analytics for Correct Dosage
- CFD Analysis and Implementation in Duct Design
- Prevents Dust and Particulate Matter IP-55
- UV-Sealing & Leak Proof
- Approved and Valid Certifications
- UV-C Spectrum and Intensity Test Reports (CSIR-CSIO, ICMR Designated)
- Virucidal Dose Validation (CSIR-IMTECH Chandigarh)
- Valid Documentation

Technology Transferred to Industries:

S.No.	Name of Industry	Address	Email
1.	<u>Aarco Engineering Projects Pvt Ltd</u>	Gate No 77 Plot no 7, 8 Jyotiba Nagar, Nigadi-Talawade Road, Talawade, Pune, Maharashtra, 412114	tasneem@aarcoair.com
2.	Flexatherm Expanllow Pvt. Ltd.	354, GIDC Industrial Estate, Makarpura, Vadodara, Gujarat-390010	sales@flexatherm.com
3.	Aeon Creations P Ltd Mumbai, INDIA.	J-79, MIDC, MIDC Road, Tarapur, Palghar, Maharashtra-401506	svta2001@gmail.com
4.	Shreeson Technologies Pvt. Ltd., Nashik, Maharashtra	H- I 661 61 I 68, MIDC, AMBAD, NASHTK, Nashik, Maharashtra. 422t01	shreeson.acc@gmail.com
5.	Reiz Electrocontrols Pvt. Ltd. Manesar, Gurugram	321, REIZ Electrocontrols Pvt. Ltd., Sector-7, Phase-II, IMT MANESAR, Gurgaon, Haryana, 122050	sidhartha@reizindia.com ; atul@reizindia.com
6.	Saras Engineering and Projects Pvt Ltd	C-5/2, Lane No. 2, Road No. 2, Vikrampuri, Secunderabad, Telangana - 500009	johnson.seaprojects@gmail.com
7.	Indicare Health Solutions Pvt.Ltd New Delhi	Second Floor, A-18/B1 Extn,, Mathura Road, Mohan Cooperative Industrial Estate, South Delhi, Delhi, 110044	rashmi.wadhwa@indicare.co.in
8.	Devintec Electrical Technologies Jalandhar, Punjab	Grand Trunk Rd, Pragpur Village, Jalandhar, Punjab 144010	dttenders@gmail.com
9.	SRIAS Engineering Private Limited, Hyderabad	1805, Pegasus B Block Meenakshi Skylounge, Khanamet, Rangareddy Hyderabad, Ranga Reddy, Telangana, 500084	bd@euroteckindia.com
10.	Ozone Research & Application (I) Pvt. Ltd. , Nagpur-440010. (M.S) India.	902, ABHANG, KHARE TOWN, DHARAMPETH, Nagpur, Maharashtra, 440010	marketing@oraip.com
11.	Elite Air Techniques Pvt. Ltd. Bahadurgarh, Haryana-	17, SECTOR-16 , HSIIDC, BAHADURGARH, Jhajjar, Haryana, 124507	mudit.aggarwal@eflow.in

12.	Airific Systems Pvt. Ltd. Noida	First Floor, Bc-6, Advant Navis Business Park, Near Shadra Village, Sector-142, Noida, Gautam Buddha Nagar, Uttar Pradesh, 201305	sales@uvheal.in chandra.shekhar@uvheal.in
13.	Quality Needs Automotives Private Limited Alwar Rajasthan.	G-1/167D, Riico Industrial Area, lid Centre, Khushkhera, Bhiwadi, Alwar, Rajasthan, 301019	qneeds.auto@gmail.com
14.	TICEON-HSE LLP Kottayam , Kerala	267/425, Ottaplakkal Building, Chingavanam, Kottayam, Kottayam, Kerala, 686531	ticeonhse@gmail.com
15.	Alpha Linear Plot No. V.55, 2nd Stage Peenya Industrial Estate Bangalore – 560 058.	Plot No. V.55, 2nd Stage Peenya Industrial Estate Bangalore – 560 058.	shakeer@alphalinear.co.in alpl@alphalinear.co.in
16.	Koyna Engineers, Nasik	, 106, MIDC, SATPUR, NASHIK, Nashik, Maharashtra, 422007	koynaeng.nsk1@gmail.com
17.	Ultrafresh Marketing Pvt. Ltd. Mahalaxmi, Mumbai	2ND FLOOR, CB 344, Ring Road Naraina, New Delhi, 110028	bdultrafrh@gmail.com
18.	Cenaura Technologies Pvt Ltd, Hyderabad	FT-3-G, Block-A, Jain Srikar Aurovil, Khanamet, Madhapur, Hyderabad, Telangana, 500081	prabhaker.yasa@cenaura.com ragini.ravikiran@cenaura.com
19.	Ideamines Management Consultants Pvt. Ltd.	shyam babu srivastva P 2/21/E, Gautam Buddha Nagar, Uttar Pradesh, 201301	pramendrasri@ideamines.com
20.	M/s Penguins India	2nd Floor, Plot No. C/6, Commercial Plot, Civil Township, Rourkela, Sundargarh, Odisha, 769004	pradyot@alfaindia.com
21.	Softrays Power Solutions	KP-1 I-373, SOFTRAYS POWER SOLUTIONS, NALANCHIRA, NALANCHIRA P.O, Thiruvananthapuram, Kerala, 695 015	softrayspowersolutions@gmail.com
22.	KIRIT Engineering,	Office Add: 126, Ganesh Colony, Jalgaon. 425001 Works: 8,316/1/2, Manyar kheda , Nr. MIDC, Jalgaon. (M.S)	kiritgroup@gmail.com

23.	Chola Geoenergy Private Limited Thanjavur, Tamilnadu	C4, Third Floor, C142,, Jaisree Towers, 6th Cross East, Thillai Nagar, Tiruchirappalli, Tamil Nadu, 620018	sales@cgpl-in.com
24.	BDS Décor & Prefab Pvt Ltd Chandigarh	Plot No. 181, Phase 1, Industrial Area, Chandigarh, Chandigarh - 160002	bdsprefabds@gmail.com
25.	Laddha Enterprises Akola Nagpur	PROZONE, Opp. Birla Gate No. 2, Birla Road, Tapdia Nagar, AKOLA - 444 005	laddhacooling@gmail.com
26.	Sukrut UV Systems Pvt. Ltd. Pune	Sr. no 24, Plot Hiss No.1A/1B, NARHE, HAVELI, Pune, Maharashtra, 411041	nagesh.k@sukrutuv.com ; milind.joshi@sukrutuv.com
27.	ABS AIR Tech Pvt. Ltd.	PLOT NO. 37 A,, SECTOR-37, PHASE-VI, UDYOG VIHAR, GURGAON, Gurgaon, Haryana, 122001	anchalabsairtech@gmail.com ; absairtechpvtltd@gmail.com
28.	Unisem Electronics Pvt Ltd	193, 18th A main, 4th Cross Road, 6th Block, Koramangala, Bangalore-560095	elias@unisemindia.com
29.	Synergy Enterprises	Synergy Enterprises 136-140/80, Ind Area, Phase 1, Chandigarh India	synergy1042@yahoo.co.in
30.	Magneto Cleantech Pvt. Ltd., New Delhi	9/22 Nehru Enclave, New Delhi, Delhi 110019	bhanu@magneto.in

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