PRESENTING

ENERGY SAVING NETS FROM

CONTINEWM®

THE MOST PRACTICAL, STRAIGHTFORWARD, & EASY SOLUTION TO ***REDUCE HVAC ENERGY CONSUMPTION*** ***&*** ***IMPROVE AIR QUALITY***

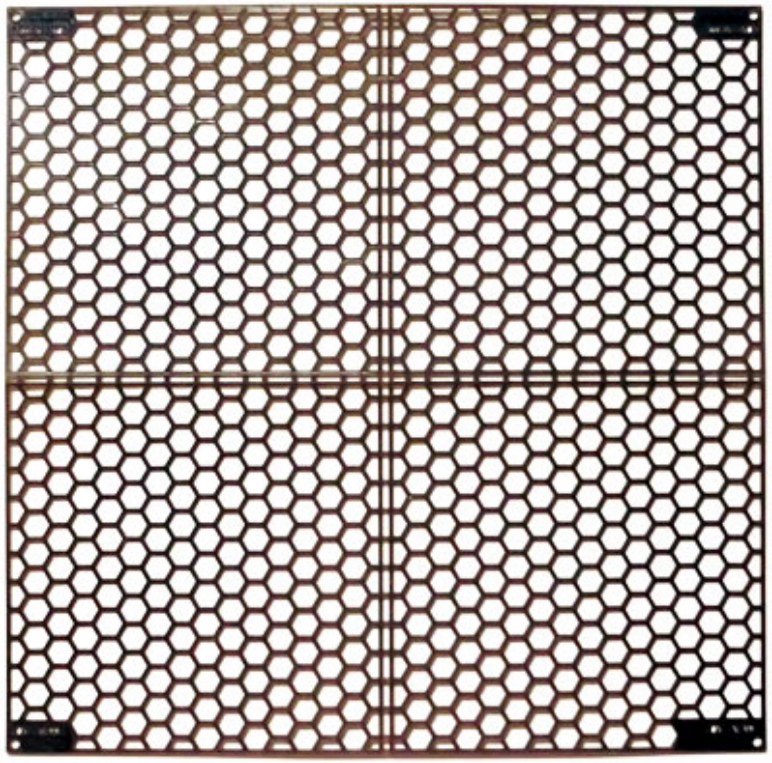
Ryuji Sakai
Inventor

CONTINEWM® Japan

Ryuji Sakai, the inventor, created this unique product using **special ceramics, composed of minerals uniquely found only in the underground mines of Japan.**

He invented **Cell Fresh Net in 2012**, and since then the technology has improved multi-folds to become **CONTINEWM®** nets since 2016.

THE PRODUCT



Material	Natural ceramic embedded in polyethylene
Size	49 cm x 48 cm x 0.26 cm
Weight	220 g
Properties	Far Infrared Rays emission & Negative Electrode

PATENTED IN JAPAN & USA

JAPAN PATENT

Since 2012

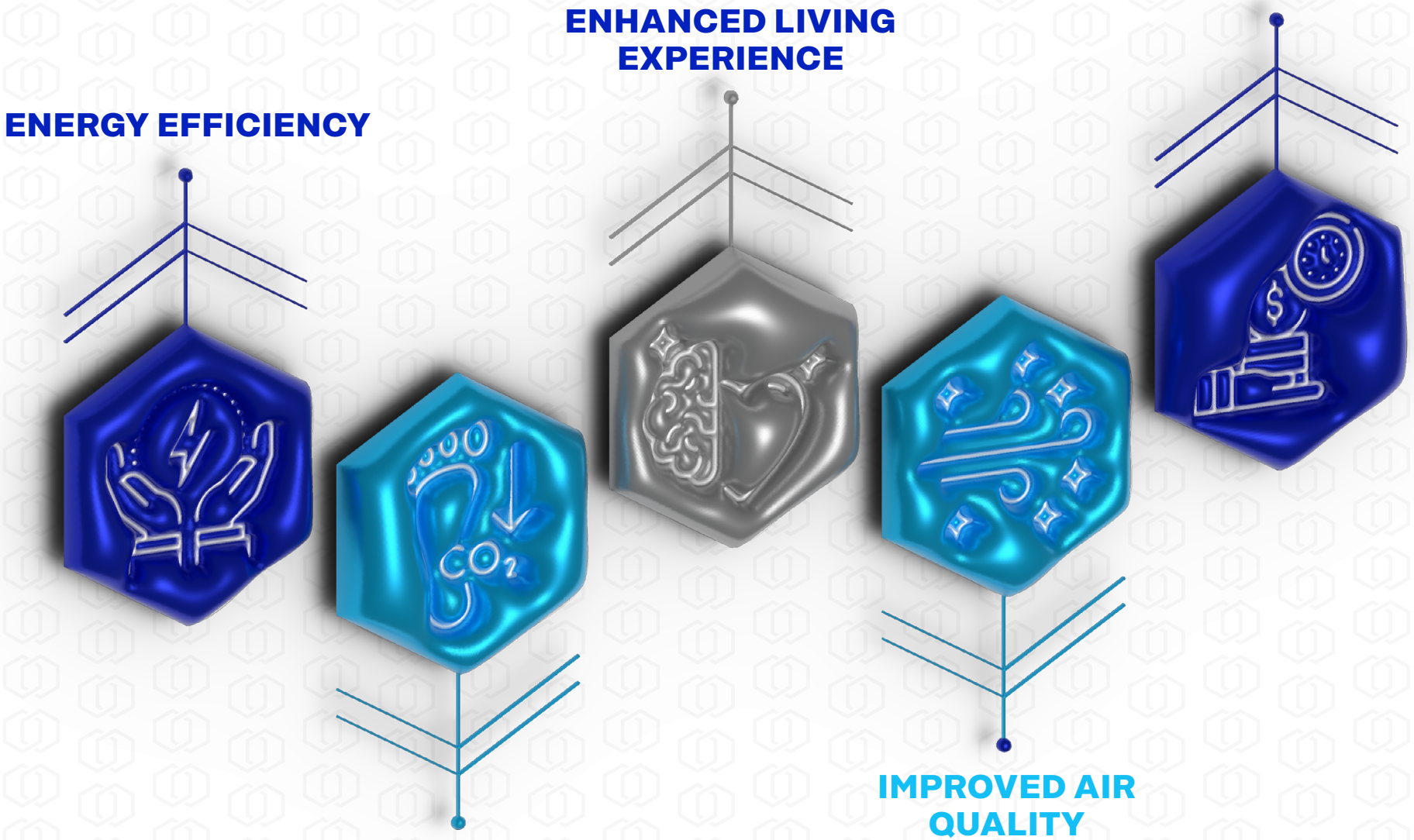
No. 1597440

USA PATENT

Since 2021

No. US11846437 B2

BENEFITS


ENERGY EFFICIENCY
ENHANCED LIVING EXPERIENCE
LONG-TERM MONETARY SAVINGS
REDUCED CARBON FOOTPRINT
IMPROVED AIR QUALITY

APPLICATIONS

Factories

Hospitals

Data Centers

Hotels

Commercial Properties

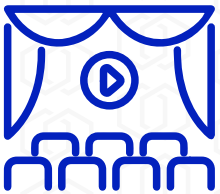
Airports

Malls

Pharma Industry

Schools

Cold Rooms



Convention Centers

Technical Presentation for

Pharma Industry

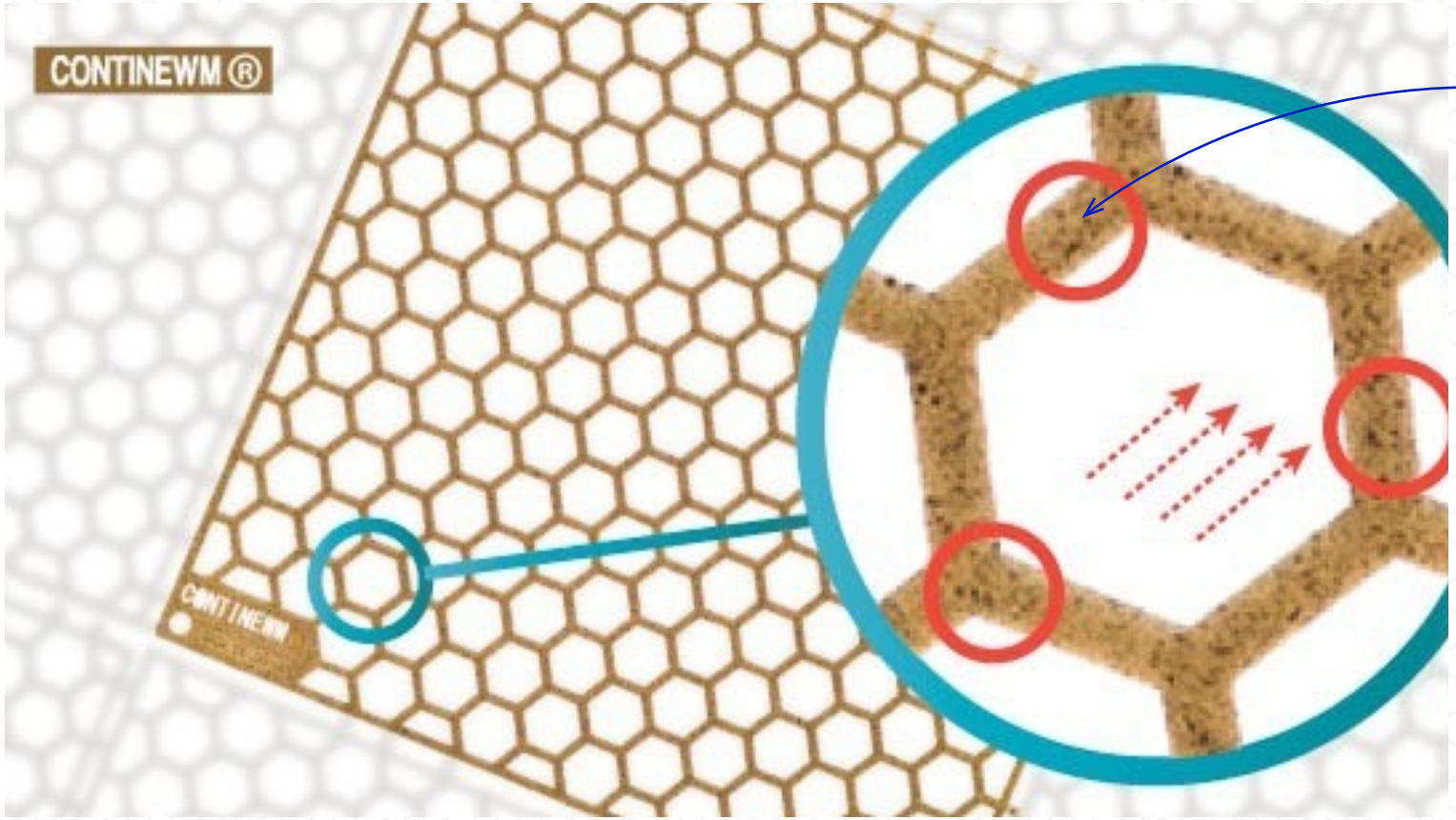
VERSATILITY

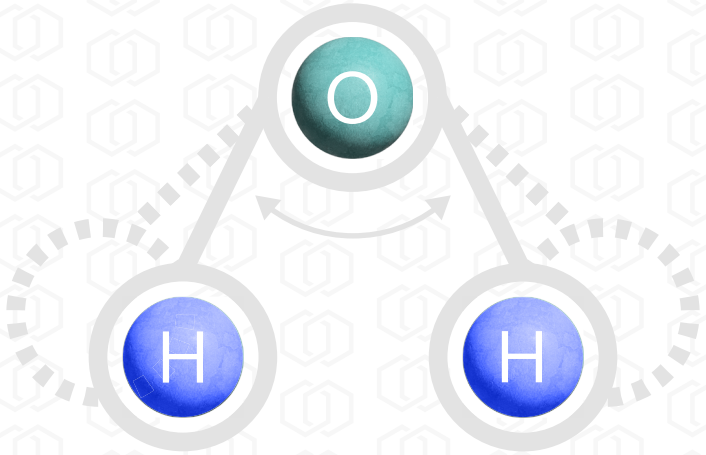
SPECIALLY DESIGNED TO FIT ALL TYPES OF COMMERCIAL & DOMESTIC AIR CONDITIONING UNITS

- Fan Coil Units (FCUs)
- Air Handling Units (AHUs)
- Precooled Air Units (PAUs)
- Rooftop Units (RTUs)
- Floor mounted units
- Ceiling mounted units
- Cassette units
- Wall mounted units

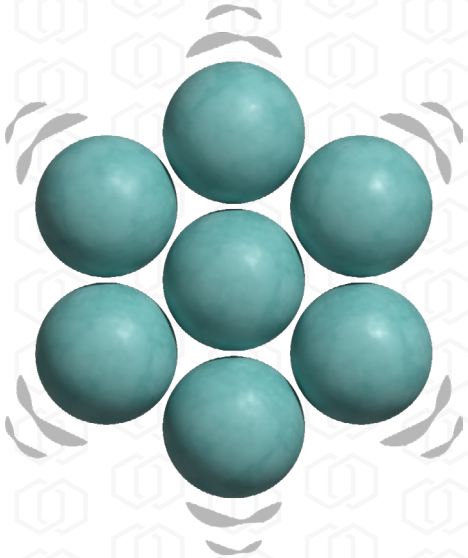
THE SCIENCE BEHIND

- Far Infrared Rays emission
- Reduction of electrostatic turbulences through electro-negativity
- Reduction of aerodynamic turbulences through honeycomb structure

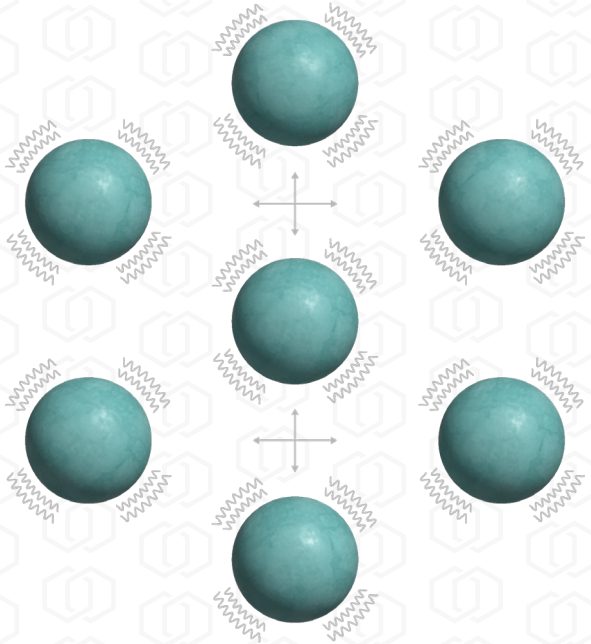




Constant vibration and oscillation of **water molecules.**

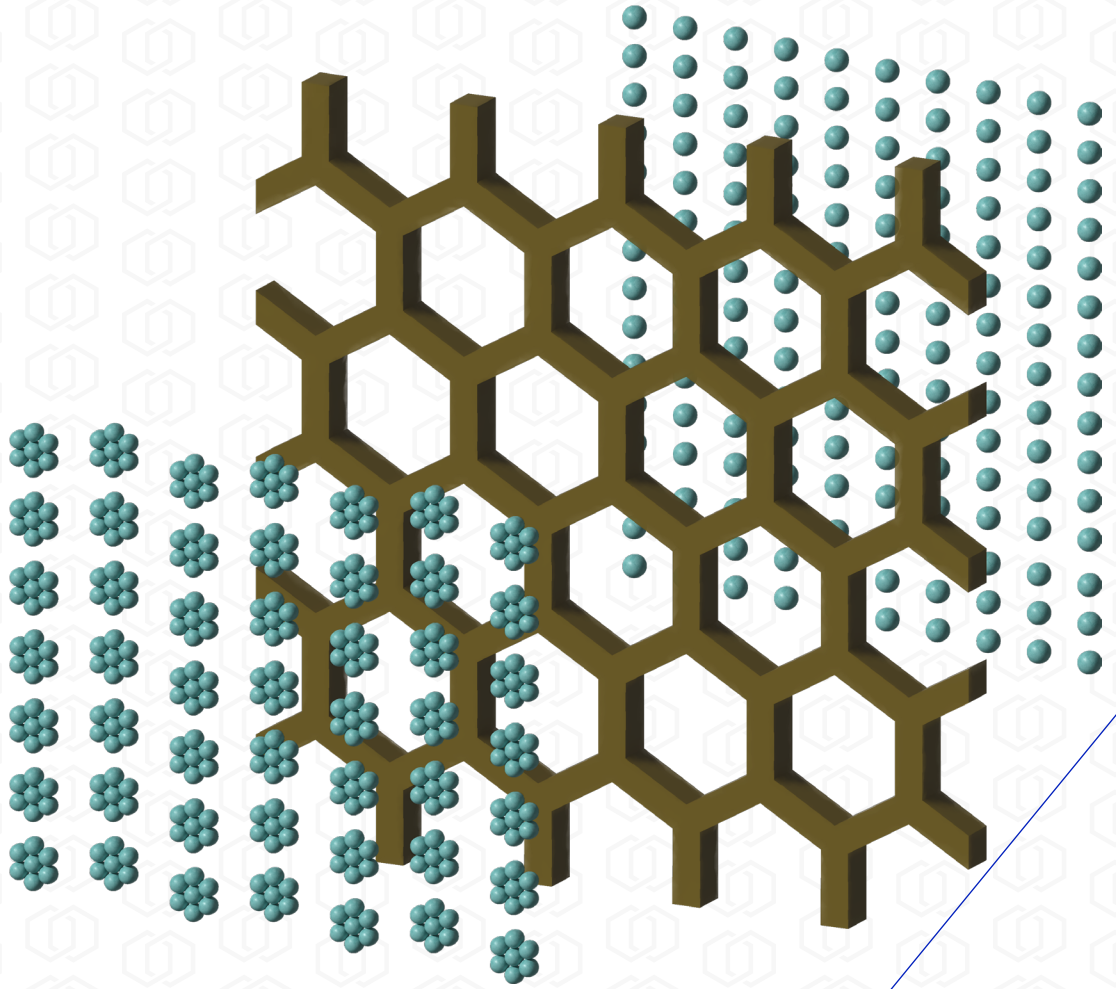


Normal vibration of water molecules in the air where the molecules are grouped in big clusters **linked by hydrogen bond.**



Large vibrations of water molecules in the air when affected by **far infrared rays** where **hydrogen bond is cut**.

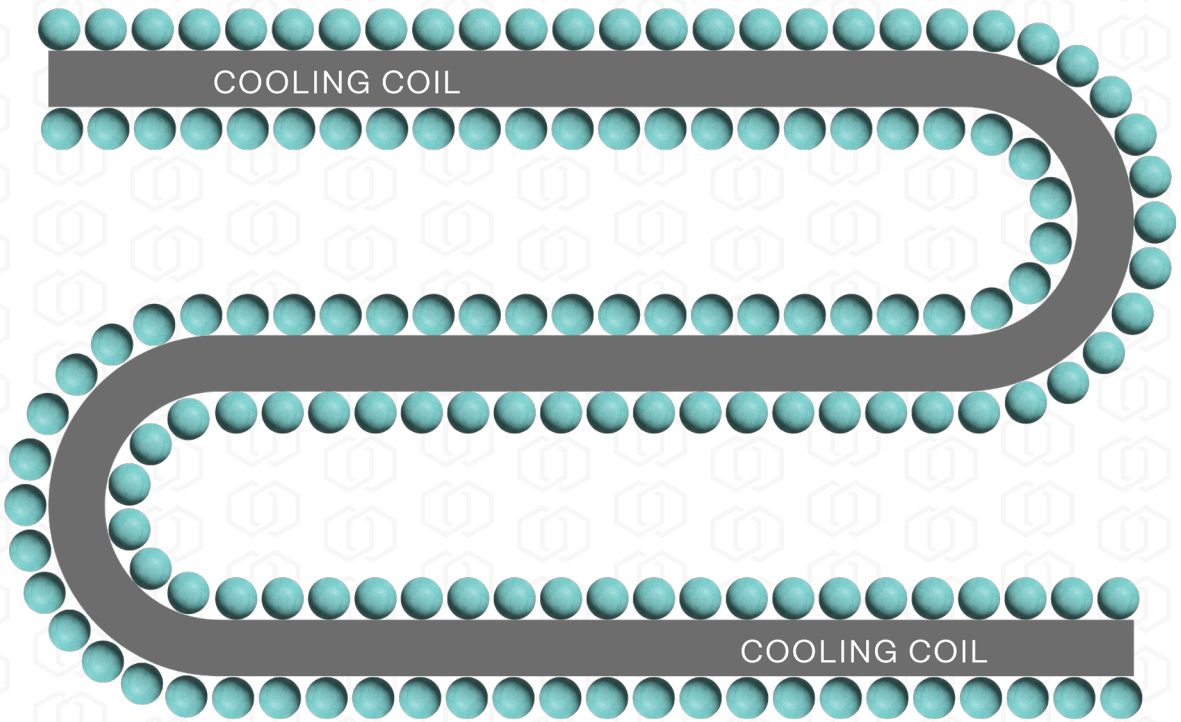
Far Infrared Rays (FIR) create vibrations causing molecular groups of moisture to disperse



Large vibrations of water molecules in the air when affected by **far infrared rays** where **hydrogen bond is cut**.

Normal vibration of water molecules in the air where the molecules are grouped in big clusters **linked by hydrogen bond.**

FINAL EFFECT



Increased Contact Area

Faster Heat Exchange

Even Spread

Set temperature reached faster

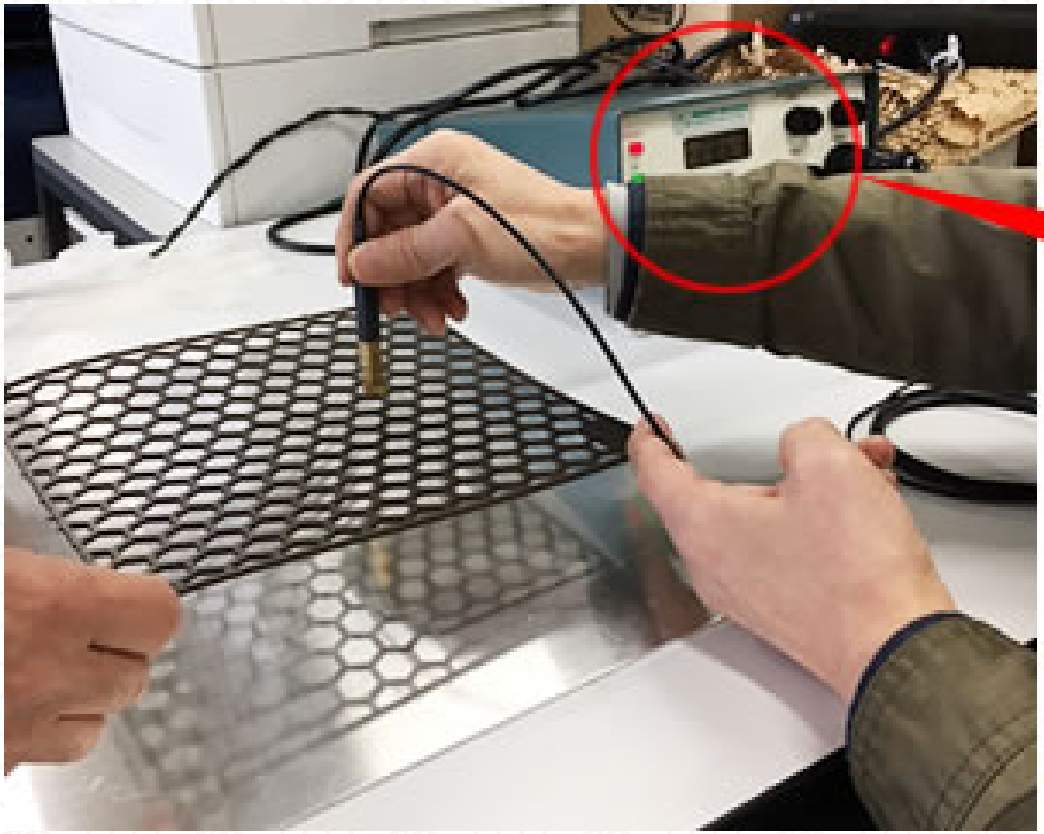
Homogeneous temperature

Increased compressor efficiency

Reduces compressor load

Reduces chiller load

Highly negative electrostatic charge of CONTINEWM® Net ceramic



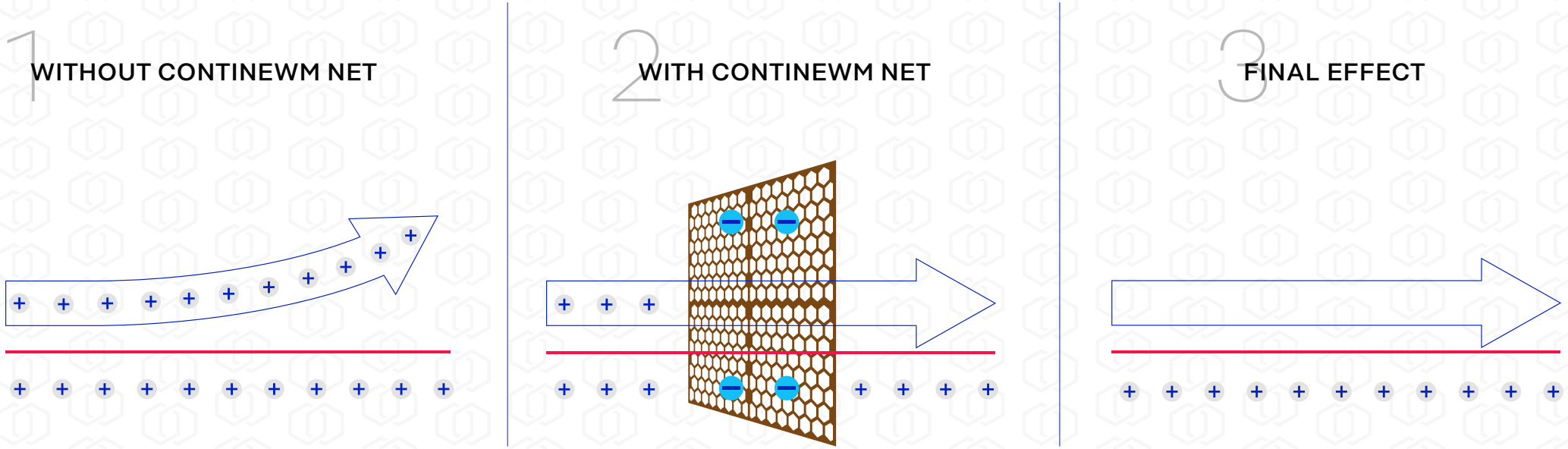
-2869V

Equipment used:
Monroe Electronics Co. Ltd. (USA), surface potential measuring instrument

Body:
Isoprobe, model 244

Probe (sensor):
Model 017

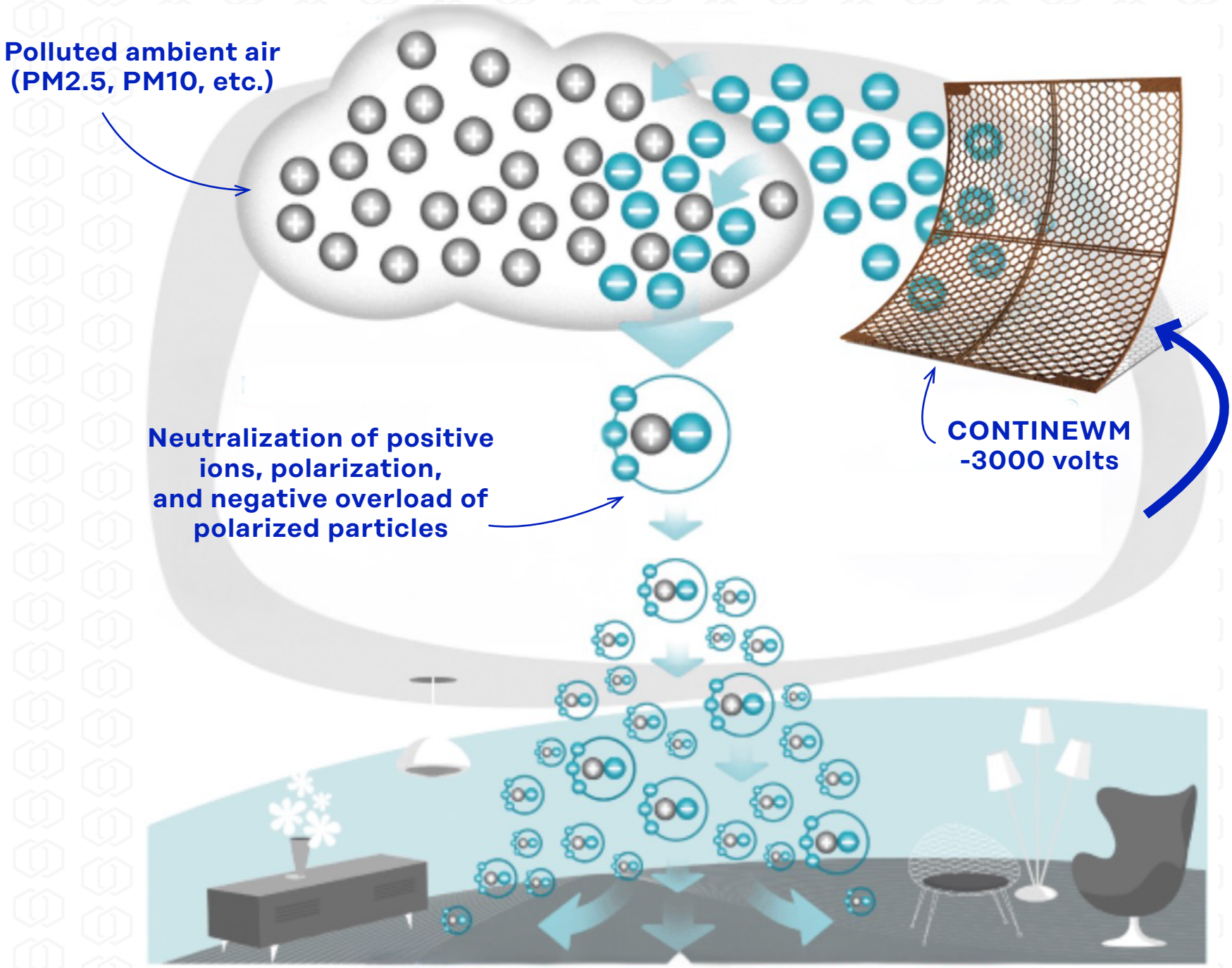
Reduction of PM2.5 & PM10 levels resulting in improved air quality.



The positive electrostatic charge on the coil, the fan, the a/c frame, and in the air is generated by the friction between the air and the mechanical parts of the a/c, causing repulsion and reducing contact with the heat exchanger.

CONTINEWM® neutralizes this charge, eliminating the repulsive force.

This maximizes contact with the heat exchanger fins, lowering electrical consumption and optimizing performance at all temperatures.


Polluted ambient air
(PM2.5, PM10, etc.)
Neutralization of positive
ions, polarization,
and negative overload of
polarized particles
CONTINEWM
-3000 volts

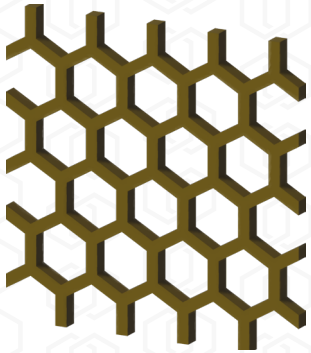
AQI GUIDELINES

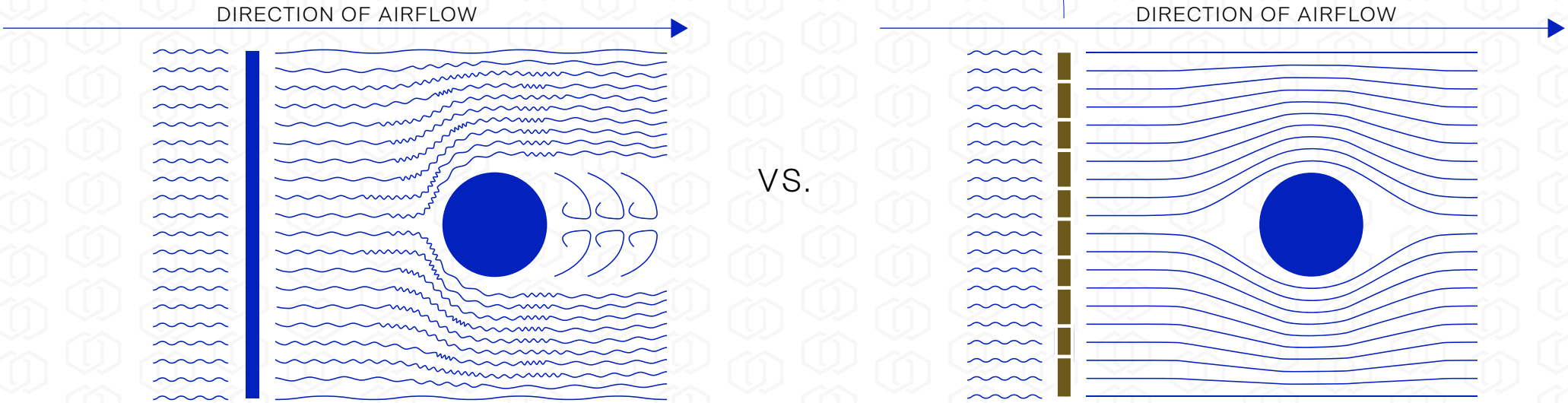
World Health Organization (WHO) air quality guidelines (AQGs) and estimated reference levels (RLs) [a]

Pollutant	Averaging period	AQG	RL	Comments
PM_{10}	1 day	$45\mu g/m^3$		99th percentile (3-4 exceedance days per year). Updated 2021 guideline
	Calendar year	15µg/m3		Updated 2021 guideline
$PM_{2.5}$	1 day	$15\mu g/m^3$		99th percentile (3-4 exceedance days per year). Updated 2021 guideline
	Calendar year	$5\mu g/m^3$		Updated 2021 guideline

Source: https://www.eea.europa.eu/publications/status-of-air-quality-in-Europe-2022/europes-air-quality-status-2022/world-health-organization-who-air

Honeycomb structure frame





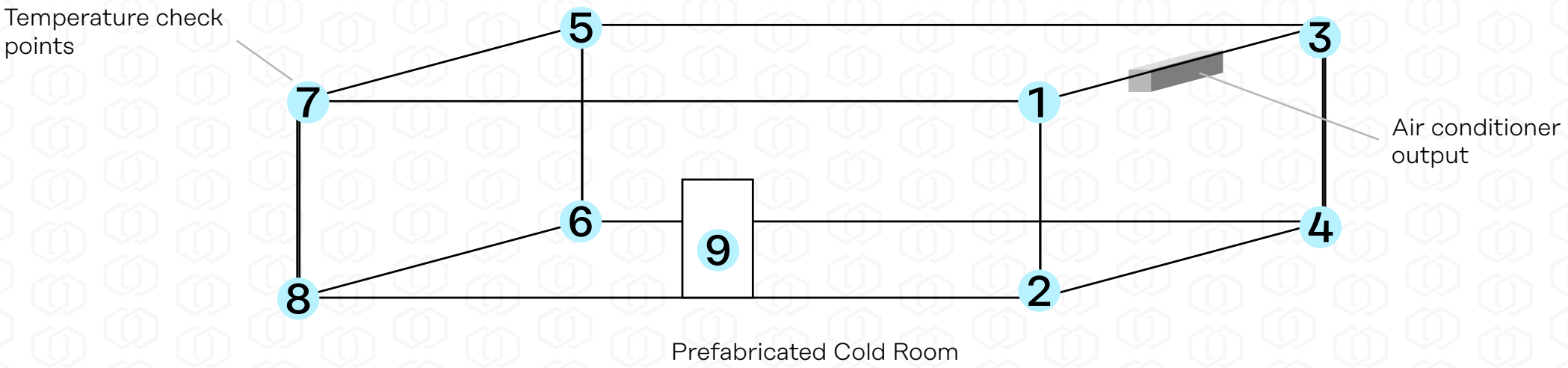
Turbulent flow with eddies
Airflow through
normal metal structure

Laminar flow
Airflow through
honeycomb structure

When the air passes through the honeycomb structure, turbulent airflow changes to linear airflow, resulting in **redirection of air to a straight path reducing eddies**

HOMOGENEOUS TEMPERATURE

Proven at Dokkyo Medical University Laboratory



	Thermostat setting	The 9 points of temperature check-points									Max °C - Min °C	Actual Average
		1	2	3	4	5	6	7	8	9		
WITHOUT CONTINEWM	5°C	7°C	5°C	8°C	9°C	8°C	6°C	7°C	7°C	8°C	Δ = 4°C	7.2°C
WITH CONTINEWM	5°C	4°C	4°C	4°C	4°C	4°C	5°C	4°C	4°C	4°C	Δ = 1°C	4.1°C

INSTALLATION & MAINTENANCE

STEP 1

Opening of air filter

STEP 2

Adjusting CONTINEWM® net on the air filter

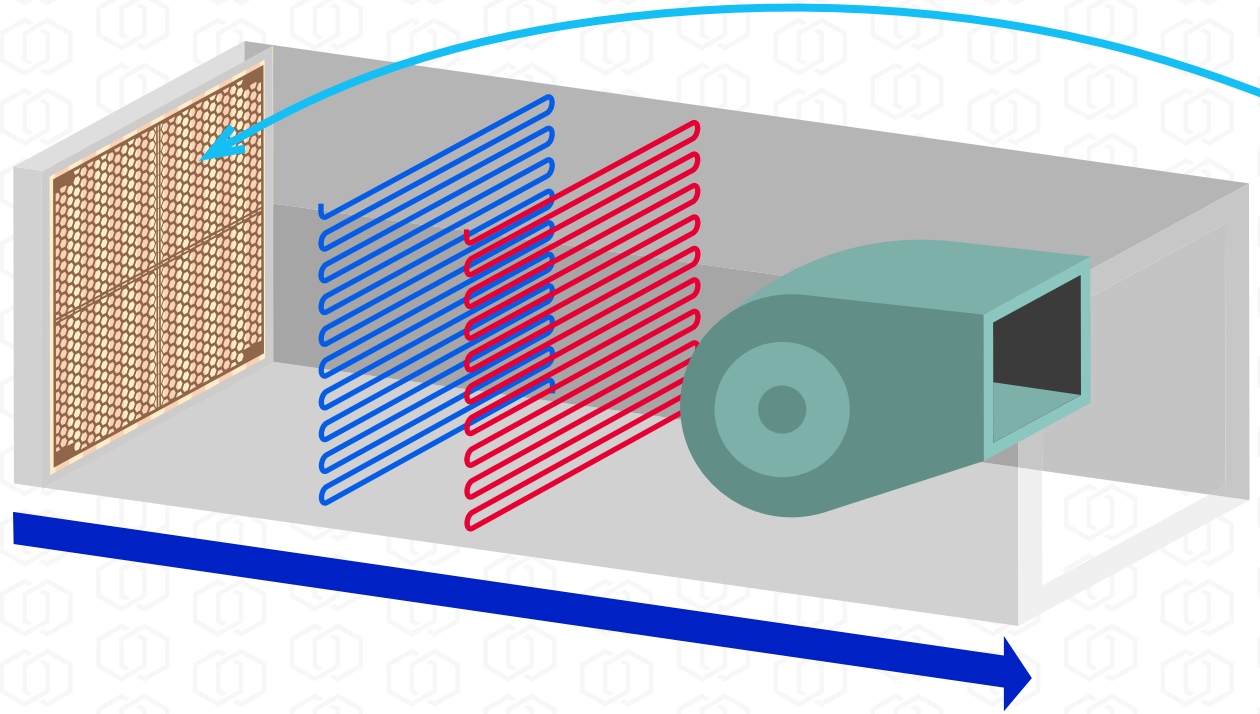
STEP 3

Securing CONTINEWM® net with zip ties

STEP 4

Closing of air filter

SIMPLE, EASY, & QUICK INSTALLATION ONLY USING **ZIP TIES!**

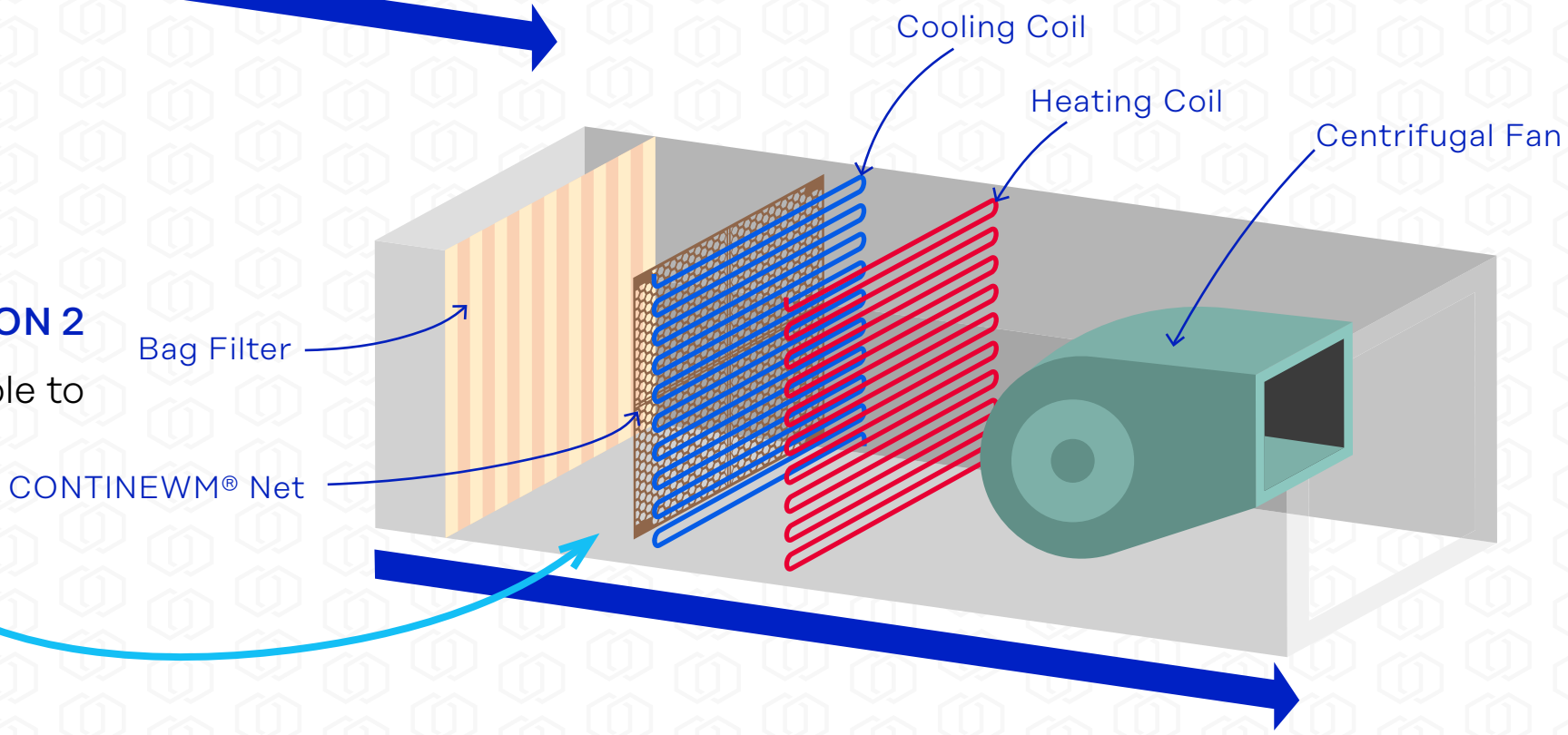


PLACEMENT OPTION 1

- On the bag filters

PLACEMENT OPTION 2

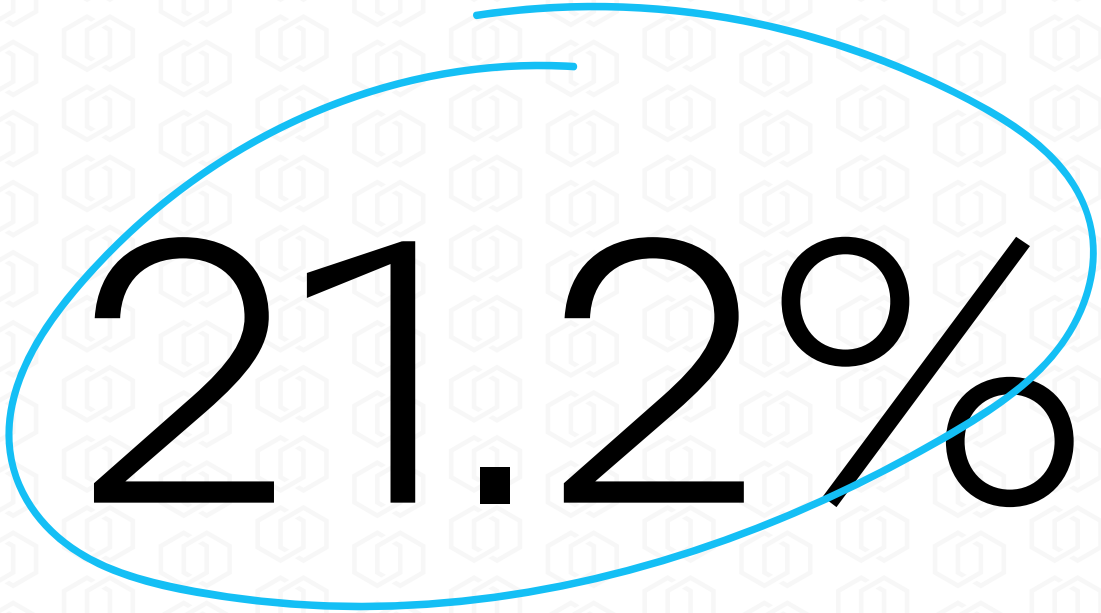
- As close as possible to the cooling coil



OUR CONTRIBUTIONS IN THE INDIAN MARKET

2022 till date

ENERGY SAVINGS ON AIR CONDITIONING SYSTEMS (CHILLER & AHU) OF



IN THE HOSPITALITY INDUSTRY

SUCCESSFUL INSTALLATIONS - HOTELS

ITC MAURYA	New Delhi, India
ITC ROYAL BENGAL	Kolkata, India
ITC SONAR	Kolkata, India
ITC GRAND CENTRAL	Mumbai, India
ITC MARATHA	Mumbai, India
ITC KOHENOOR	Hyderabad, India
ITC GRAND BHARAT	Gurgaon, India
ITC NARMADA	Ahmedabad, India
ITC GRAND	Goa, India
ITC MUGHAL	Agra, India
ITC WELCOME	Guntur, AP, India
ITC WELCOME	Bhubaneswar, India
ITC WELCOME	Amritsar, India
ITC WELCOME	Vadodara, India
ITC SHERATON	New Delhi, India

SUCCESSFUL INSTALLATIONS - CORPORATE OFFICES

ITC CPO	Bangalore, India
ITC CPO	Nadiad, India
ITC CPO	Kolkata, India
ITC ITD	Kolkata, India

SUCCESSFUL INSTALLATIONS - FACTORIES

ITC ITD	Kolkata, India
ITC FOODS	Hyderabad, India
ITC FOODS	Guwahati, India
ITC PCPB	Manpura, India
ITC PCPB	Haridwar, India
ITC PSPD	Bhadrachalam, India

UNDERWAY PROOF OF CONCEPT (POC)

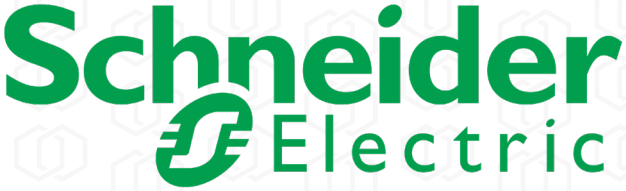
ITC PCPB	Manpura, India
ITC FOODS	Medak, India
HINDUSTAN UNILEVER FACTORY	Sonipat, India
LEELA PALACE GROUP	Gurgaon, India
IHCL TAJ PALACE	New Delhi, India
ICICI BANK HOUSING FINANCE	Chandigarh, India

TECHNICAL EXPERTISE

Mr. Thomas Gal, CEO

Mr. Thomas Gal, CEO of Technic Electrical Engineering (Thailand), **VP & Technical Head** of CONTINEWM® Japan, and **World Technical Assistance Head**.

INTERNATIONAL CLIENTELE

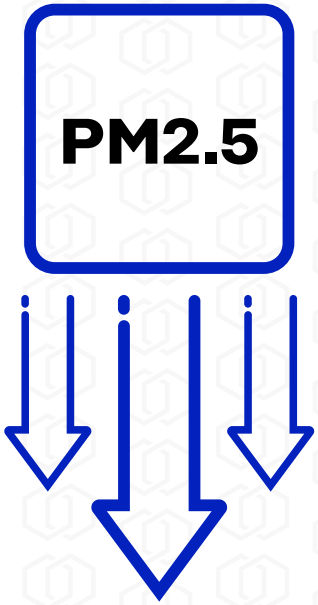


TAKING HYDERABAD'S PHARMA INDUSTRY TO GLOBAL SUSTAINABILITY

ANTICIPATED RESULTS FOR CHEMPHARMA PARTICIPANTS

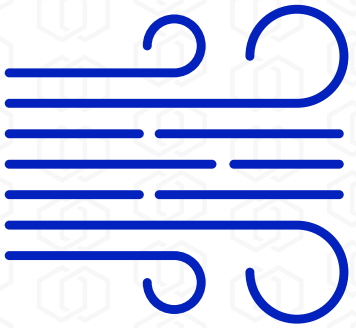
HVAC energy savings of

15.5 to 25.8%



Indoor PM2.5 level reduction by

40-60%



Homogeneous temperature -

max. variation 2°C

About Us

National Enviro Tech Solutions was founded by Anil Thaman & Jatin Singh in 2024. We are authorised distributors for India Nepal & Middle East.

Anil Thaman

Cofounder

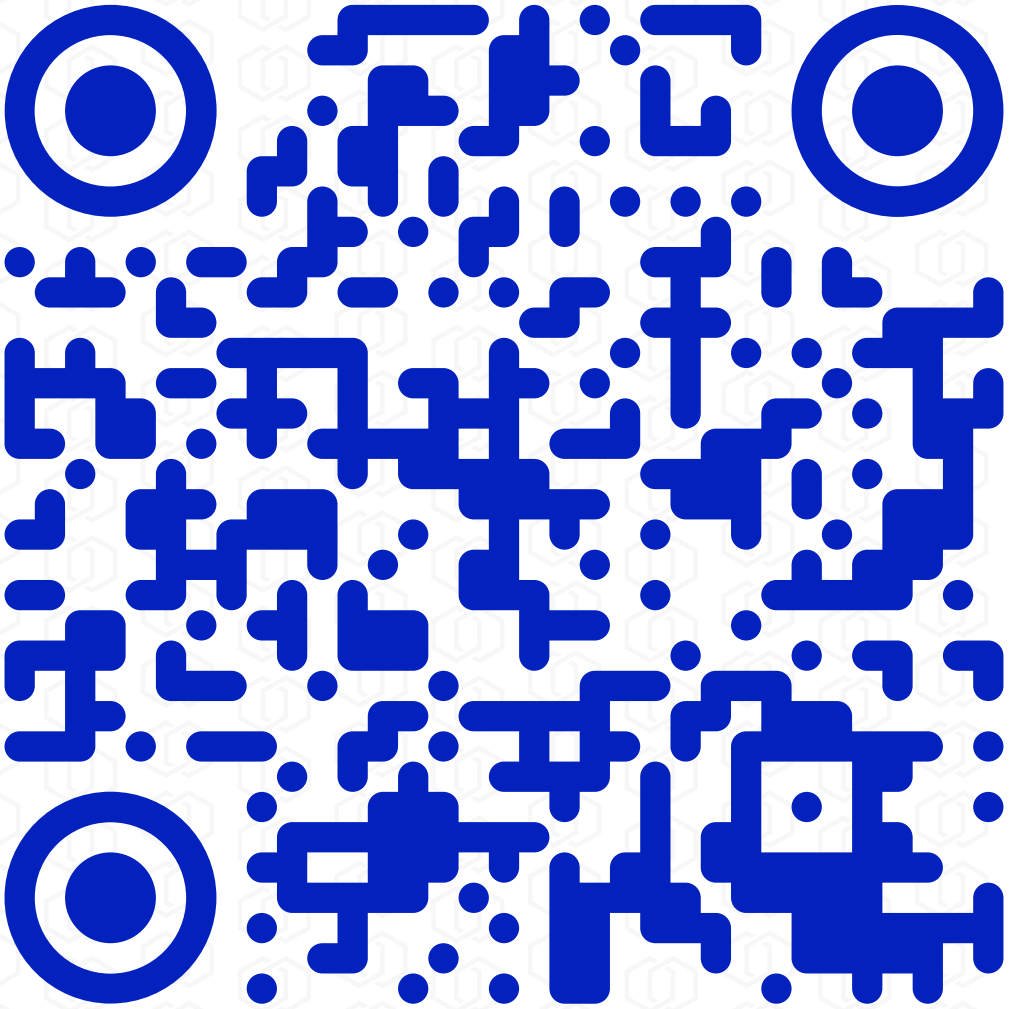
&

Winner of world handwriting contest 2021 & 2023

Jatin Singh

Cofounder

Are you interested in saving the world?



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