



OPTIMAL ECO SOLUTIONS BRINGS PROMISING HOLLAND-BASED NEGATIVE IONIZATION TECHNOLOGY TO THE U.S. AMID GLOBAL COVID-19 HEALTH CRISIS.

Amid the COVID-19 global pandemic, Optimal Eco Solutions (OES) brings Holland-based negative ionization technology to the United States, proven to show promising results by eliminating 99.9% of respirable fine dust, allergens, mold spores, and bacteria on contact.

Optimal Eco Solutions negative ionization technology produces millions of negative ions faster than any other products on the market—purifying a 15' x 15' room to 98-99%¹ in just 30 minutes versus up to 10 hours with leading competitors. By utilizing carbon brushes instead of industry standard needles and metal, OES products do all of this without producing ozone.

Available in residential and commercial capacities, OES air optimizers are perfect for any indoor space and are currently used abroad in industries from healthcare to agriculture, restaurants to education, and more. Now, the United States has access to the highest standards of this technology, previously only available outside the country.

Negative ionization mimics the way nature cleans air by ionizing the particles in the air. The process launches millions of negative ions every second to eliminate respirable particles like aerosols, mists, smoke, dust, fibers, and fumes, as well as allergens, mold spores, bacteria, viruses, and VOCs that naturally cling to the positive ions in the air. What is left is 99.9% sterile and pure air containing more oxygen, creating a safe environment for people, plants, and animals.

Competing products, like HEPA and carbon filters, only trap microbe particles—unable to capture the tiniest contaminants—and those filters need to be cleaned or replaced often, which many users forget or fail to do. UV is another powerful particle killer, but UV systems have tubes that need to be replaced regularly. Both technologies require forced air to move across the media to work. What happens when someone exhales or opens a door? Systems that produce ozone, including other negative ionization products and variations, are banned in many countries because ozone can compromise lung health. OES air optimizers do none of this—no maintenance, no need to forcibly move the air, and no ozone.

Parameter	Results
Retention efficiency of particle fraction 0.3–7.0 µm with indoor air dust	97.59%
Retention efficiency of particle fraction 0.3–7.0 µm with test dust A2 fine	99.94%
Retention efficiency of mold spores with conditioned house dust ≤ 100 µm	97%
Retention efficiency of bacteria with conditioned house dust ≤ 100 µm	98%
Clean air allergen content of mite allergens with conditioned house dust ≤ 100 µm	1.1 ng/m ³

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FOR IMMEDIATE RELEASE
AUGUST 2020

ABOUT THE COMPANY

Optimal Eco Solutions was launched in 2017 by CEO & President, Michael H. Bennett, to offer trusted, eco-friendly, health and wellness products to consumer and commercial industries alike in the United States.

During a trip to Holland in 2009, Bennett was introduced to a company, Freshlight, its CEO, Aad Van der Starre, and its revolutionary negative ionization technology.

Both continued their respective works in structured water and negative ionization, Van der Starre focusing his global success specifically in agricultural industries. During this time, Brinks Climate Systems of Germany approached Freshlight and also began research on negative ionization applications for home ventilation.

Testing quickly showed promising results and a joint venture formed.

After countless hours invested in the research shared by engineers and scientists in the Dutch nation, Bennett committed to making the technology available in North America.

¹ DMT Investigation report no. APS2-00 032 20, 24 April 2020

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ADDITIONAL GRAPHICS AND IMAGERY AVAILABLE UPON REQUEST.



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ROW 1

(pictured) **Ion Tower Max**
Inconspicuous yet powerful and perfect for residential living spaces, lobbies, and individual office areas alike, the compact, sleek profile and nearly silent functionality of the Ion Tower allow the ability for clean air to blend seamlessly into your landscape.

ROW 2

(left) **Light Bulb**
+20 Million ions/sec. 4W. Replaces standard E27 light bulbs. Available in full spectrum atmospheric light/daylight (6400K) and warm mood light (3000K). Dimmable in atmospheric light/daylight only. Imitates natural sunlight providing Vitamin D3 and other beneficial frequencies for energy and immune boosting benefits. Five year warranty. A++ energy rating. CE, RoHS, UL approved.

(right) **Plug-In 4.0**
+30 Million ions/sec. 1.2W.
5 in. x 3 in., white. Fitting a standard 2-prong outlet this nightlight (10 lm) is sensor activated. Ideal for nurseries, bathrooms, and bedrooms. Five year warranty. A++ energy rating. CE, RoHS, UL approved.

ROW 3

(left) **Ion Tower Max**
750 Million ions/sec. 2.2W.
12.6 in. x 2.4 in., black. For rooms up to 1800 sqft. 12V DC USB connector and 12V/110 UI certified adapter. Three fan speeds. Three year warranty. A++ energy rating. CE, RoHS, UL approved.

(right) **Ion Star Plus**
+1.2 Billion ions/sec. 2.2W.
11 in. x 4 in., white. Intended for large rooms and/or high-traffic areas. 12V DC USB connector and 12V/110 UI certified adapter. Five year warranty. A++ energy rating. CE, RoHS, UL approved.

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