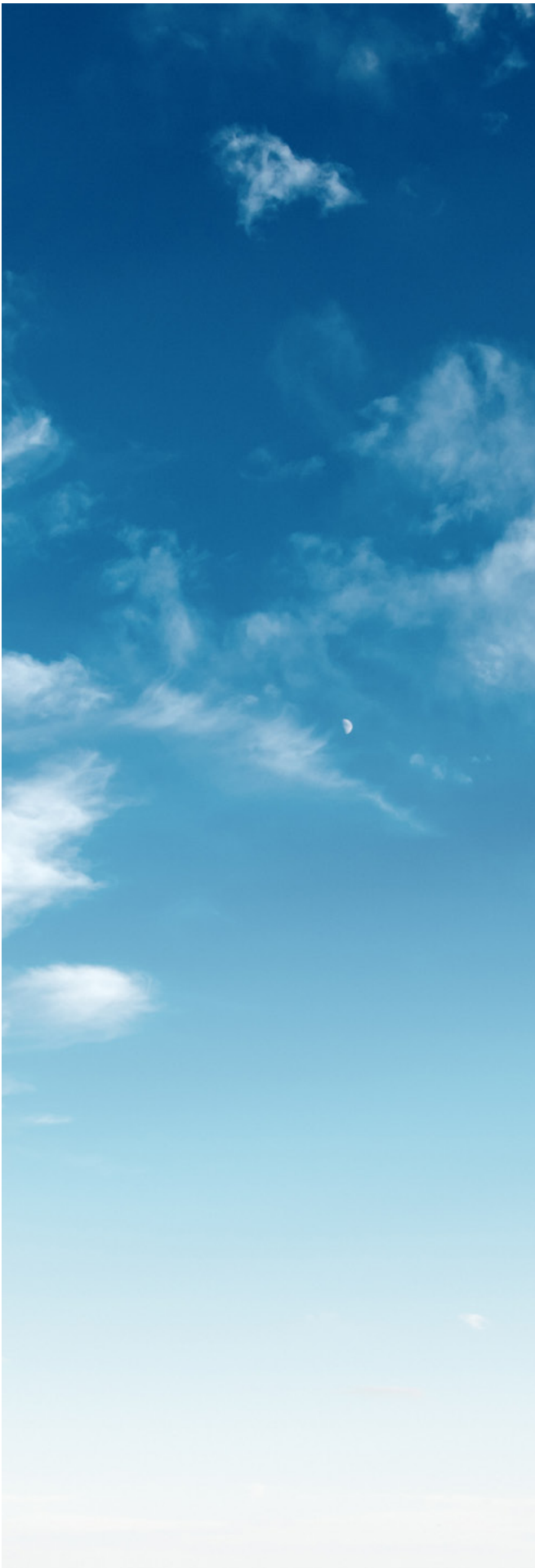




Synexis[®] Systems

Enhancing productivity through improved indoor air quality



What's Keeping Your People from Performing at Their Best?

After many months of working remotely, much of the workforce has gone back to the office again. As time goes by, the number of coworkers sharing the same indoor environment is likely to increase.

As the economy grows, you need a productive workforce to meet market demands. Are your people as productive as they could be? Can anything be done to increase their effectiveness?

Absolutely. By improving indoor air quality you'll reduce two causes of diminished productivity: contagious pathogens and volatile organic compounds (VOCs) in your indoor environment.

How It Works

Synexis uses a revolutionary technology that kills harmful microbes—including viruses, bacteria, mold, fungi, and yeasts—while also neutralizing VOCs. It draws naturally occurring oxygen and humidity from the air to create Dry Hydrogen Peroxide (DHP®). Safe, odorless, and invisible, DHP breaks down pathogens in the air and on surfaces when it settles.

Less Illness Means Fewer Sick Days

With more people sharing an office or classroom, contagion is inevitable. A cleaner work or learning environment can reduce the spread of contagious diseases, resulting in fewer sick days. Whether in hospitals, classrooms, office buildings or stadiums, implementing DHP technology can lead to a reduction of pathogens.

Increases Cognitive Function by Reducing VOCs

Volatile organic compounds (VOCs) are found in many common products and materials, such as cleaning solutions, carpeting and upholstery, insulation, paint, and chemicals used in photocopiers and printers. Released into the indoor air as a gas, VOCs can cause headaches, fatigue, dizziness and irritated eyes, nose, and throat—all discomforts that can significantly affect cognitive function and productivity.

A Harvard study found that the reduction of VOCs within indoor environments increases an individual's cognitive ability by 60%.¹ Synexis technology oxidizes even the largest VOCs and has been shown to significantly reduce steady-state VOCs in indoor environments.

Cleans Surfaces Without Noxious Chemicals

Unlike competitors' solutions that address only airborne microbes, the DHP produced round-the-clock by Synexis units settles on surfaces, where it breaks down microbes.

Safe, Ozone-Free Purification

Some air purification systems release ozone, which their manufacturers claim is safe. However, none have been approved by the federal government for use in occupied spaces. The U.S. Environmental Protection Agency has released public information advising against the use of ozone-releasing air cleaners.²

Synexis systems are UL 2998-validated for no ozone emissions. Their EPA-approved green technology uses natural oxygen and humidity in the air to create human-safe Dry Hydrogen Peroxide (DHP).

¹ Allen JG, MacNaughton P, Satish U, Santanam S, Vallarino J, Spengler JD. 2016. Associations of cognitive function scores with carbon dioxide, ventilation, and volatile organic compound exposures in office workers: a controlled exposure study of green and conventional office environments. *Environ Health Perspect* 124:805–812; <http://dx.doi.org/10.1289/ehp.1510037>

² <https://www.epa.gov/indoor-air-quality-iaq/ozone-generators-are-sold-air-cleaners#intro>

Our Powerful Defensive Lineup

IN-DUCT OPTION



THE BLADE

- Can be installed in any size duct using our adapters
- Does not affect your HVAC system
- DHP produced by the Blade will flow freely throughout your entire facility, breaking down pathogens in the air and on surfaces
- Out-of-sight, out-of-mind 24/7 air purification and surface cleaning

PORTABLE, STAND-ALONE OPTIONS



THE SPHERE

- Portable, unobtrusive and adaptable
- Plugs into standard 120VAC/ 220VAC electrical socket
- Can be mounted where it's most needed, i.e. wall, floor or tabletop
- No tools required
- Six-month service life on catalyst and filter



THE SENTRY XL

- Engineered to cover spaces up to 3,000 square feet—one of the most extensive coverage areas on the market
- Plugs into standard 120VAC/ 220VAC electrical socket
- Versatile design supports multiple mounting configurations to adapt to your spaces
- No tools require
- Six-month service life on catalyst and filter

Visit trane.com/synexis to learn more



TRANE

Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments through a broad portfolio of heating, ventilating and air conditioning systems and controls, services, parts and supply. For more information, please visit trane.com or tranetechnologies.com.

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