

A HEALTHIER FUTURE STARTS HERE: COMMERCIAL BUILDINGS

The COVID-19 pandemic presents significant challenges for commercial buildings, as owners and operators look to protect occupants, control infection and enable the safe reopening of businesses. As we look to move forward, these challenges are increasing the focus on healthy building strategies for design, retrofit and operation, and shifting the view of commercial buildings beyond places to work and into powerful tools that drive human health and progress.

COMMERCIAL BUILDING PRIORITIES



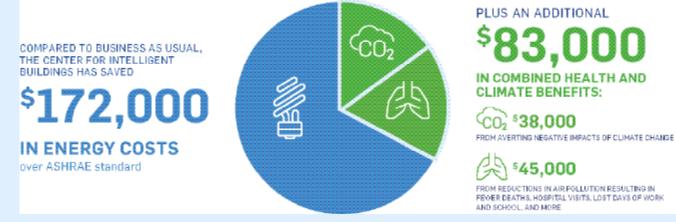
THE SCIENCE OF HEALTHY COMMERCIAL BUILDINGS

While the current urgency around healthy indoor environments in commercial buildings revolves largely around stopping the spread of COVID-19, research has shown the potential impact of healthy environments to be much greater. Through the COGfx Study, research has shown that healthy buildings can significantly improve cognitive function, while the HEALTHfx Study revealed the benefits of healthy buildings on societal health and climate. All in all, we're seeing that healthy buildings can impact the bottom line for a business – from reducing energy waste and the related costs to increasing worker productivity.



A HEALTHY HEADQUARTERS

At Carrier, creating healthier, smarter, more efficient indoor environments is a part of who we are. It's why the Center for Intelligent Buildings – our global headquarters – was designed to put healthy building expertise into practice and serve as a living example of what's possible.



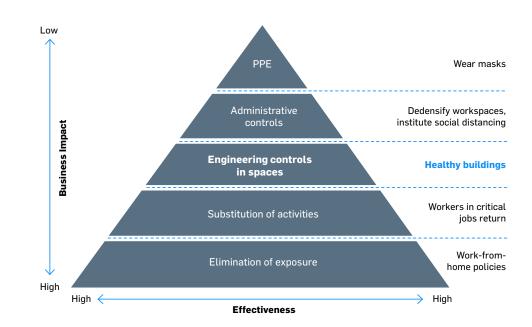
FOR A TOTAL BENEFIT OF \$255,000 EACH YEAR

Allen, Joseph, and John D. Macomber. Healthy Buildings: How Indoor Spaces Drive Performance and Productivity. Cambridge, MA: Harvard University Press, 2020.

THE ROLE OF HEALTHY BUILDINGS IN **REOPENING**

Creating a healthy building through engineering controls in spaces is a key component of combating COVID-19. It's a strategy that balances overall effectiveness with the financial impact it can have on the business.

Allen, J. G., & Macomber, J. D. (2020, April). What Makes an Office Building "Healthy." Harvard Business Review



CARRIER HEALTHY BUILDINGS PROGRAM

As the inventors of modern air conditioning and a world leader in HVAC, refrigeration, and fire and security solutions, Carrier has a legacy of creating safe and comfortable buildings. Now we're building on that legacy through the launch of our Healthy Buildings Program. Our experts have in-depth knowledge and experience in commercial buildings and a holistic suite of healthy building technologies and services to address the immediate pandemic concerns and long into the future.



Carrier's Center for Intelligent Buildings is located in Jupiter, Florida, USA.

HEALTHY BUILDINGS ASSESSMENTS FOR COMMERCIAL BUILDINGS

At Carrier, we understand that many of our commercial building customers are facing uncertainty with how to move forward in developing a healthy building strategy. Our experts are here to help – starting with assessments across various aspects of a building.



HEALTHY BUILDINGS SOLUTIONS FOR COMMERCIAL BUILDINGS

Carrier offers a full suite of products and services designed to help create safe and healthy environments for commercial building occupants. The following are just a few highlights of our offering.

CARRIER HEALTHY BUILDINGS TECHNOLOGIES

Carrier's Healthy Buildings Program offers customers comprehensive, building-wide technology solutions for today's reimagined environments. In addition to Carrier's comprehensive HVAC, fire, security and controls product offering, the Healthy Buildings offering includes:



OptiClean[™] Air Scrubber and Negative

Air Machine helps clean contaminated air and prevent it from spreading to different sections of a building, which is critical for infection control.



BlueDiamond[™] Touchless

Access eliminate a significant number of access touch points through industry-leading mobile credentialing technology.



Advanced Airside Equipment offers airhandling units and fan coil units equipped with advanced filtration designs and germicidal UVC light that provide excellent microbial control and enhanced IAQ features, presenting the perfect balance between a safe and healthy environment, performance and eco-efficiency.



Air Purifiers are filtration technologies including various HEPA filters for particulate matter, activated carbon filters for removal of bad odors and volatile organic compounds, photocatalyst filters and UV lamps (with an elimination rate of ≥ 99.999% for pathogens such as E. coli and influenza, tested in Kitasato Institute, Medical Environment Research Center, Japan) to target viruses and bacteria and improve IAQ for an area of up to 4,500 square feet.



MyWay" Building Services Mobile Platform integrates HVAC, lighting, elevator and other system controls, touchless access, indoor location and other services for a safer and personalized occupant experience.



DirectKey" Mobile Access Solution has empowered millions of hotel guests to safely access their hotel rooms without contact by bypassing the front desk check-in and eliminating many traditional touch points in the process.

HEALTHY BUILDING SERVICES FOR COMMERCIAL BUILDINGS

Healthy buildings are about more than design and solutions. Ongoing management and operation are essential to optimizing indoor environments for efficiency, safety and occupant health and performance. Here are a few examples of Carrier remote services available to help.



REMOTE AIRSIDE MANAGEMENT

Manage IAQ and ventilation in line with best practices

Make changes and fix issues remotely

Optimize maintenance and operational costs

24x7 command center



REMOTE ENERGY MANAGEMENT

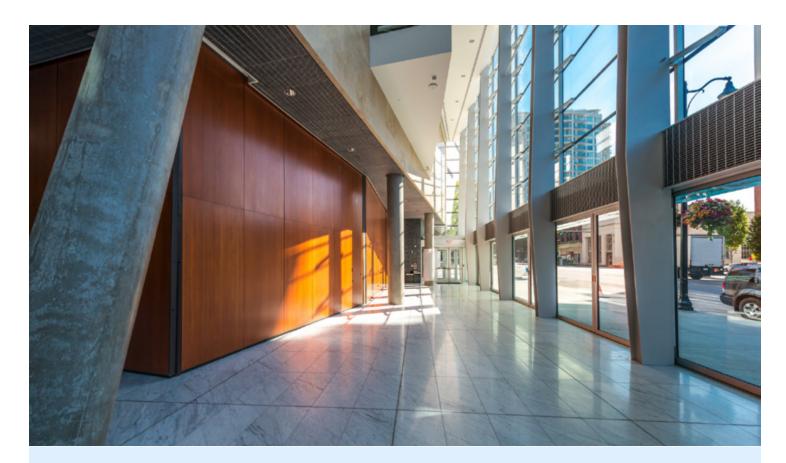
Provide advanced cloud-based analytics Optimize energy efficiency, equipment uptime, occupant comfort and operational productivity Actionable insights by CORTIX[™] building IoT platform

Optimize autonomously or through a mobile application



REMOTE HVAC SERVICES

Maximize performance and efficiency Increase uptime Improve budgeting and scheduling Fault detection and diagnostics



GET STARTED WITH AN EXPERT

From safe business reopenings to ongoing enhancements to worker health and performance, a healthier future starts indoors. Let's work together to unlock the enormous potential of healthy commercial buildings. Visit us at <u>carrier.com/healthybuildings</u> to learn more about our Healthy Buildings Program and connect with one of our experts.

