

Internet of Things

Cognizant Safe Buildings

Transform post-pandemic patchwork programs into cohesive digital strategies for creating safe and responsive buildings.

Face masks. Social distancing. Good hand hygiene. Each plays an essential role in slowing the spread of disease in every space we enter. As businesses reopen, these measures will help build confidence. But businesses will also need further proactive measures to build trust among employees and customers.

This requires an approach that combines layered safety strategies and a technology foundation to sense, monitor and manage data insights to lower risks in meaningful and noticeable ways.

Create safe buildings people can trust

Cognizant® Safe Buildings helps businesses of all types—retail, factories, offices, warehouses, casinos and more—run facilities that cost-effectively create

safer workplaces and promote a healthier working environment.

Our tools and strategies can help:

- **Screen employees and visitors** for elevated body temperatures using thermal imaging to make sure everyone's temperature is in a safe range.
- **Monitor physical distancing and provide contact tracing** through location data from wearable sensors, smart cameras and systems. Safe Buildings can also identify overcrowded areas that should be reconfigured to maintain physical distancing.
- **Ensure hand hygiene and sanitization compliance** using data from smart bands.



- **Provide visual, easily understandable insights** into trends using configurable key performance indicators, benchmarking and time series visualizations.
- **Enable rapid response as safety requirements change** through dashboards and analytics-driven recommendations for improving building health and employee compliance.

Our approach

We help companies prepare buildings to monitor critical environmental data so you can identify and respond to risks quickly.

Our Safe Buildings offering is built on:

- **Our Smart Buildings Platform**, which uses a common data environment and model with prebuilt algorithms to visualize dashboards that can integrate data from devices and systems with tailored workflows.
- **A rich partner ecosystem** to quickly assemble and acquire hardware, including thermal cameras, facial recognition, smart bands, sensors and edge devices.
- **Regulatory and privacy compliance guidance** to monitor, assess, record, protect and trace employees' safety data.

Benefits

- **Fastest possible return to prepandemic levels** of productivity and revenue while ensuring safety.

- **Immediate detection** of COVID-19 threats and exposure.
- **Increased employee and consumer confidence** through shareable safety metrics.
- **Improved efficiency** in managing, monitoring and reinforcing health and safety protocols.
- **Flexibly manage risks and liabilities** with proactive prevention strategies and reporting guided by data privacy controls and compliance standards.

How it works

We take a four-step approach that combines digital technology, streamlined processes and layered prevention controls to proactively monitor:

- Elevated body temperatures
- Effective physical distancing and occupancy compliance
- Contact trace risks and interactions
- Hand sanitization compliance
- Safe air quality

The solution collects and connects vital data for key stakeholders—management, facilities, operations, HR and security—and utilizes visualization dashboards to monitor and maintain health and safety while using data insights to adapt for the future.

“We spend 90% of our time indoors. The people who design, build and maintain our buildings have more impact on our health than our doctors.”

– **Joseph Allen, Assistant Professor of Exposure Assessment Science, Harvard School of Public Health**



“The goal is to minimize risk ... using a layered defense approach by applying what is known in public health as the hierarchy of controls.”

– HBR, Healthy Buildings, April 29, 2020

Getting started

Cognizant begins by assessing your building's needs, gaps and safety parameters to define the "as-is" state. We use this assessment to create a proof of concept with prioritized use cases, including requirements for safety, privacy and compliance.

We can deploy a pilot in two to three locations in 12 weeks and scale the solution in as little as three months. At the same time, we will help prepare workflows and policies for using and adapting these new technologies as health and safety conditions change.

Why Cognizant

With 25 years of experience providing systems integration and engineering services for virtually every industry, we have the speed and scale to drive greater visibility into operations so you can deliver healthier building performance.

Our global reach and deep expertise enable us to reliably implement a cohesive solution anchored on a proven data-driven platform that flexibly integrates layered health safety controls with sensors, systems, data analytics and compliance standards.

All this enables us to speed reopening programs and provide ongoing guidance to lower your risk, manage your costs and get you back to business.

To learn more or schedule a demo, visit www.cognizant.com/iot.

About Cognizant Digital Business

We help clients build digital businesses and innovate products that create new value—by using sensing, insights, software and experience to deliver on what customers demand in the digital age. Through internet of things we connect the digital and physical worlds to make smart, efficient and safe products, operations and enterprises. Leveraging data, analytics and artificial intelligence we drive intelligent decisions and anticipate where markets and customers are going next. Then we use those insights, combining design and software to deliver the experiences that consumers expect of their brands. Learn more about how we're engineering the modern enterprise at cognizant.com/digitalbusiness.

About Cognizant

Cognizant (Nasdaq-100: CTSI) is one of the world's leading professional services companies, transforming clients' business, operating and technology models for the digital era. Our unique industry-based, consultative approach helps clients envision, build and run more innovative and efficient businesses. Headquartered in the U.S., Cognizant is ranked 194 on the Fortune 500 and is consistently listed among the most admired companies in the world. Learn how Cognizant helps clients lead with digital at www.cognizant.com or follow us [@Cognizant](https://twitter.com/Cognizant).



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