

RETURN TO WORKPLACE

Building safe, nurturing, and resilient workspaces

Before the pandemic, employees' primary concerns were deadlines, collaborating with colleagues, and leaving work on time. Now the focus has switched to isolating themselves from others, wondering who is infected, and controlling the distraction that is the COVID-19 pandemic. As employees return to work, they must be more cautious than they were pre-pandemic. As economies and companies reopen, smart space solutions have a vital role to play in building safe, nurturing, and resilient workspaces.

The future of safety in the workplace is to isolate, prepare, prevent, protect & thrive

The Infosys 'Return to Workplace' platform provides a comprehensive framework and execution-oriented solution enabling enterprises to make their workspaces safe and resilient. This is done by reassessing office spaces, applying best practices recommended by health experts, and weaving in next-gen technologies. Doing so enables preventive measures, protective solutions and robust communication channels while adhering to data privacy standards and practices mandated by the FDA, FCC, ISO, and IEC compliance.



Our Solutions

Our highly scalable suite of solutions reduces the need for human intervention, decreases the risk of lapses, and enables fast decision making with the ease of compliance reporting. With the help of this solution, Infosys will provide its clients with a holistic view of their organization's health, resources, and operational efficiencies. Our solutions include:

- **Thermal screening for elevated body temperature** – A fully automated AI-powered thermal scanning proprietary solution captures body temperature data from thermal cameras, processes the data using Computer Vision (CV) and AI algorithms, on edge devices in real-time and alerts the relevant team for further examination.
- **Video Analytics for social distancing** – AI/ML-based advanced algorithms for facemask detection, assessing mask types, employee face angles and partial occlusion. These algorithms send alerts to facility administrators when masks are not detected or when social distancing is not being followed, allowing interventions to be made.
- **Contact tracing** – Bluetooth/ GPS enabled wearable and mobile app based solution, allows enterprises and cities to trace contacts who are at risk due to proximity to an ill person. This solution allows clients to capture masked proximity/ location information at the same time trigger cues to drive social distancing.
- **Health Disclaimer** – A mobile app for users to follow required health and safety guidelines, monitor their activities, and support the Health Department by providing accurate data with user consent. It is a one-stop-shop for pandemic response, connecting users with resources about quarantine and isolation supports, symptom monitoring, and up-to-date disease information from the Health Department.
- **Contactless biometric** – Facial recognition for access control, contactless payment and elevator access via edge technologies to ensure employees and visitors safely enter workplaces without touching frequently used surfaces
- **Occupancy and workplace analytics** – Real-time occupancy data to identify employee occupancy violations and for employees to plan to visit common places such as food courts and exits. Workplace analytics helps real estate teams track metrics and automate sanitation workflows and elevator workflows.
- **Sanitization solution** – Autonomous rail-guided vehicle (RGV) with surveillance, payload and audio/video capabilities powered by the Infosys Autonomous System Platform for sanitizing workplaces.

Case studies



'CRUSH COVID RI' application for the State of Rhode Island

Infosys partnered with the State of Rhode Island (RI) to develop a mobile app that enables the health department to monitor a citizen's health over 20 days, by providing their location data with the citizen's consent. This application helps people access COVID-19 related news, information, and guidance, along with links to local state resources.



Thermal Screening Solution powered by AI deployed at Infosys

Infosys has developed a Thermal Screening Solution powered by AI on Edge and has deployed it in Infosys offices in India, where close to 20,000 employees have resumed work at offices. This solution screens the employees using thermal cameras, the images of which are then processed on Edge device in real time using AI models. This helps in detecting employees with temperatures above a predetermined threshold which help the facilities team to do further medical examination. The solution ensures the accuracy of temperature detection while reducing the effect of any external thermal radiations. This is a fully automated solution operating in 24x7 mode to ensure the safety of Infosys employees, visitors and security personnel.

For more information, contact askus@infosys.com

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