SIEMENS
Ingenuity for life

Sustain healthy & safe environments

- Reduce the spread of airborne and surface contaminants
- Improve air quality
- Optimize energy performance
- **Enable social distancing in healthy environments**
- Provide real-time updates
- **Sustain healthy & safe environments**
- Defer capital budgets

Introduction

Now more than ever, people are expecting safe and open indoor spaces where they can move forward to live, work, and play. Siemens Smart Infrastructure helps you transform the everyday by creating places that students, patients, and occupants can enjoy with confidence. And you can do it all while enabling future resiliency for your organization.

In this paper, we present one of our strategies to help organizations create safer, healthier buildings: sustain healthy and safe environments. Organizations operating with reduced in-building staff and / or remote critical sites cannot effectively monitor all building automation, security, and fire and life safety systems 24/7. This can lead to disruption of optimal building operations as teams react to failed equipment and alarms. Maintaining and sustaining a healthy work environment is essential to safe workspace planning and helping keep employees and occupants safe.

Objective	Approach
Utilize 24/7 monitoring, remote response and resolution, and maintenance to help onsite teams	Digital services, including monitoring and remote services
Leverage advanced analytics and fault detection to identify issues early and service equipment based on need	Digital services, including advanced analytic services
Utilize onsite service with skilled technicians and safe workspace planning only when needed	Onsite maintenance as needed, supported by virtual facilities management

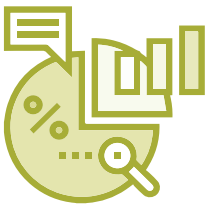
The combination of 24/7 monitoring, remote response, advanced analytics, virtual facility management services, and onsite services can offer a powerful approach to sustaining a healthy and safe environment.

Utilize 24/7 monitoring, remote response and resolution, and maintenance to help onsite teams

Implementing digital services, including **monitoring** as well as **remote response and resolution**, gives providers visibility into critical events and enables building experts to remotely diagnose and potentially resolve many issues. With 24/7 monitoring on board, issues can be resolved faster, which not only supports **business continuity**, but also alleviates some of the burden from onsite teams.

Leverage advanced analytics and fault detection

Implementing advanced analytics, such as Siemens CloudOps services, illuminates system and equipment issues that aren't normally seen until it's too late. Data analytics and early action can prevent an alarm from happening, automate root cause analysis, and enable a shift to needs-based proactive maintenance—all of which make it easier for onsite teams to prioritize more strategic work.



Schedule onsite work safely

If a skilled technician must arrive in a building for maintenance or corrective actions, they must be dispatched with proper PPE, safe workspace planning, and only when absolutely needed. The Virtual Facility Management (VFM) Services uses the data gathered from digital services to create a holistic view of your building and streamline work-flow processes. Our remote specialists use this consolidated view of your systems' history and performance to diagnose issues, prioritize activities, and eliminate duplication of efforts. Through VFM, Siemens experts become a workforce multiplier for your own team – helping you optimize work orders and streamline work flow processes and respond to issues more quickly.

Ready to learn more about how healthy buildings can create places for a safer, healthier, and more confident everyday?

Visit us at usa.siemens.com/smartbuildings