

FEATURED SOLUTION

COVID-19 Action Plan Frontline Worker Health & Welfare

As COVID-19 forces changes in workplace safety, essential businesses must initiate frontline worker health and welfare measures to remain operational. These measures must be both protective and proactive as a matter of global risk management and to remain in compliance with state and national curve-flattening initiatives. The COVID-19 Action Plan is designed to achieve two broad objectives:

- Promote Worker Health and Welfare
- Continue to Provide Essential Business Services to the U.S. Economy and Stakeholders

Four-Tiered Continuous Action Cycle Designed to Protect Worker Health

Tier 1: Foundational Awareness and Actions

Initial response centers on awareness and education regarding modes of virus transfer, along with the implementation of distancing protocols where possible, and masks, gloves, hand washing, and enhanced disinfection processes where necessary in common areas.

Tier 2: Workplace Access Temperature Screening

A workplace entry screening system consisting of infrared thermal camera scanners, related software, and a worker access queue with managed 6' spacing allows for facility access only after a confirmation of normal body temperature. If elevated temperature is detected, the worker moves to a secondary screening initiated by health services staff.

While worker welfare technology is helpful in determining elevated temperatures in subjects and the possible need for further evaluation, this device is not a medical diagnostic tool and does not indicate whether an individual is sick or will be sick in the future.

Let Ally help you keep your employees healthy, safe and productive.

Call 844-237-2559

Mobile Modular Unit

1. Clear Partition Shield

Provides a physical barrier between the person being scanned and the staff monitoring the scan.

2. Infrared Camera

Fast, accurate and proven.



3. PC Pre-Loaded with Scanning Software

Automated, user-friendly elevated body temperature screening.



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Tier 3: On-Demand Portable UV-C Air Sanitation, Employee Welfare Areas

Mobile UV-C air sanitation systems provide on-demand disinfection for unoccupied employee common areas including cafeterias, locker rooms, offices, and conference rooms. Portable germicidal UV-C sanitation requires a 20- to 25-minute dosing time to neutralize viruses, with long cycle soaks ranging from 30 minutes to several hours. Mobile units are returned to their docking station when the space is occupied.

Tier 4: Permanent Air Purification, Integrated at HVAC System Level

Because HVAC systems are potential avenues for virus circulation and transfer, large facilities benefit from permanent, continuous, HVAC-level air purification infrastructure upgrades.

- **HVAC Survey:** Plant level survey of common area HVAC systems identify optimal points of purification system integration.
- **Bipolar Plasma Ionization:** Following UV-C pre-treatment at the air handler coil, plasma ionization is added downstream in the primary air ducts providing a secondary means of purification before circulated air enters employee welfare areas.
- **UV-C Dosing:** Addition of UV-C light sources in the air handler located downstream of the cooling coil sanitize the coil and the air that passes over it.

These measures are the first steps in an ongoing imperative to improve the health and welfare of frontline workers. Ally system integration teams are taking the next steps toward adding telemetry to the dosing systems to provide visibility, dosing history, and reliability through continuous monitoring.

Tiers 3 & 4: Proven Air Sanitation Technology

The combination of UV-C and Plasma Ionization technology provides a comprehensive sanitation system with intentional overlap to mitigate potential gaps in any one system.

UV-C Air Sanitation

As a tried-and-tested solution for more than 40 years, UV-C disinfection is prevalent in hospitals, medical centers, laboratories, food processing, wastewater facilities, HVAC system management, and more. UV-C technology is deployed in Tier 3 through mobile carts and again in Tier 4 through permanent integration in the ventilation system downstream of the cooling coil.

Bipolar Ionization Plasma Technology

This proven air sanitation technology is deployed in Tier 4 through a permanent, non-invasive integration into the ventilation system.

We can quickly and efficiently upgrade your US-based facility with infrared site-screening and UV air sanitation technology.

Call today to learn more: 844-237-2559



UV-C Dosing Cart



Plasma Ionization



UV-C Dosing

Read More About the Science Behind the Technology on the [Ally Energy Solutions Blog](#)



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