



## Introducing CRG's Exposure Awareness System

The collection of contextual data surrounding exposure to a variety of environmental health hazards is critical to understand the link between certain activities and adverse health outcomes. Cornerstone Research Group, Inc. (CRG) and VigiLife™ have developed a modern, scalable, and automated system that provides context and location awareness to environmental and physiological exposures through real-time monitoring, aiding industrial hygienists with health risk assessments. The Exposure Awareness System is capable of integrating a number of sensors commonly used for exposure monitoring, including gas monitors, particulate sensors, noise dosimeters, and biomonitoring devices. CRG has partnered with VigiLife's Safeguard® to provide a platform to sense, analyze, and visualize data with secure and encrypted data transmission.

The Exposure Awareness System helps prevent workplace injuries and reduce hazardous exposures with the following features:



### Compiled Remote Data

Collected data all in one place of various metrics for associated workers/locations



### Real-Time Alerts & Insights

Sets limits and sends alerts to worker and safety/management for targeted protection



### Physiological Monitoring

Captures heart rate, core body temperature, heat stress/strain, and physical exertion



### Environmental Monitoring

Captures data for gases, VOCs, particulates, temperature, humidity, heat index, and noise



### Locational Awareness

Provides context for exposure data by monitoring indoor and outdoor location proximity to hazardous work spaces



### Multi-Sensor Support

Supports easy addition of new sensors, ML upgrades, and integration with commercial software

# Enhance Workplace Health and Safety

*via an environmental and physiological data monitoring system*



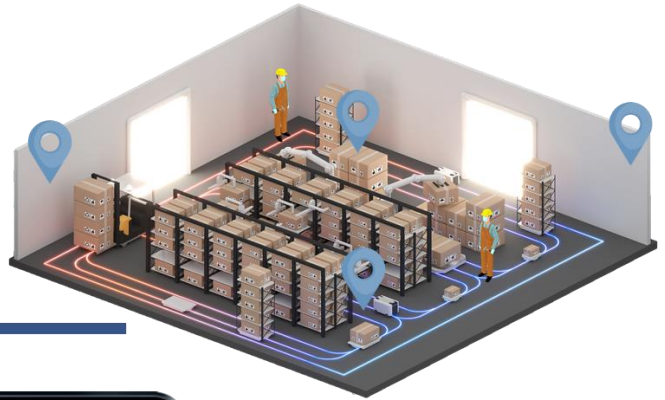
Remote Monitoring



Real-Time Updates



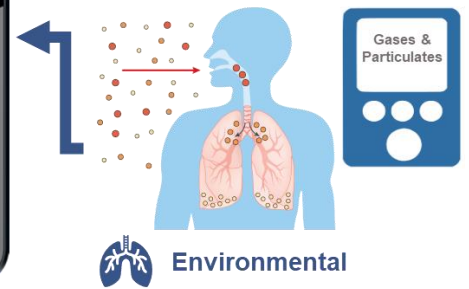
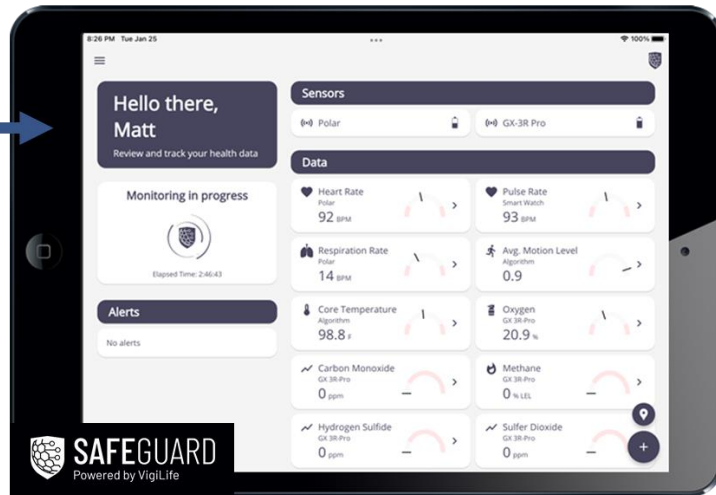
Holistic Measurements



Locational



Physiological



Environmental

## Exposure Awareness System Status:

Technology Partners:



Technology Readiness Level:



Manufacturing Readiness Level:



Pilot Studies & Field Testing:

In progress at various sites

\* = anticipated TRL/MRL for late 2024

For more information:

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