VigiLife™

Connected Health & Safety

Intelligent guardian technology built to save lives!

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VigiLife Background

With $10M of funding over 6+ years, Aptima spun out VigiLife in 2020 as an independent startup to bring a real-time predictive health & wellness warning system to market.

2015 - 2020

Phase 1

SBIR Origins & Research

2021-2022

Phase 2

Commercial Launch

2023 - 2026

Phase 3

Scale & Growth

Since then, we've won the DDC's Startup of the Year award and the Soin Innovation award as we work to fulfill our mission to protect and enrich the lives of those at risk!

APTIMA Human-Centered Engineering · Science and Technology · GARMIN · NEXTFLEX · LOCKHEED MARTIN · CRG · KERAMIDA · AFRL · NHSC National Heat Safety Coalition · GE Research

Current Health & Safety Monitoring Systems are Reactive and Impersonal

An **organization's most important asset is undoubtedly its people**, yet most enterprises lack the technology to effectively quantify acute and chronic health and safety risks, which hurts the bottom line and morale

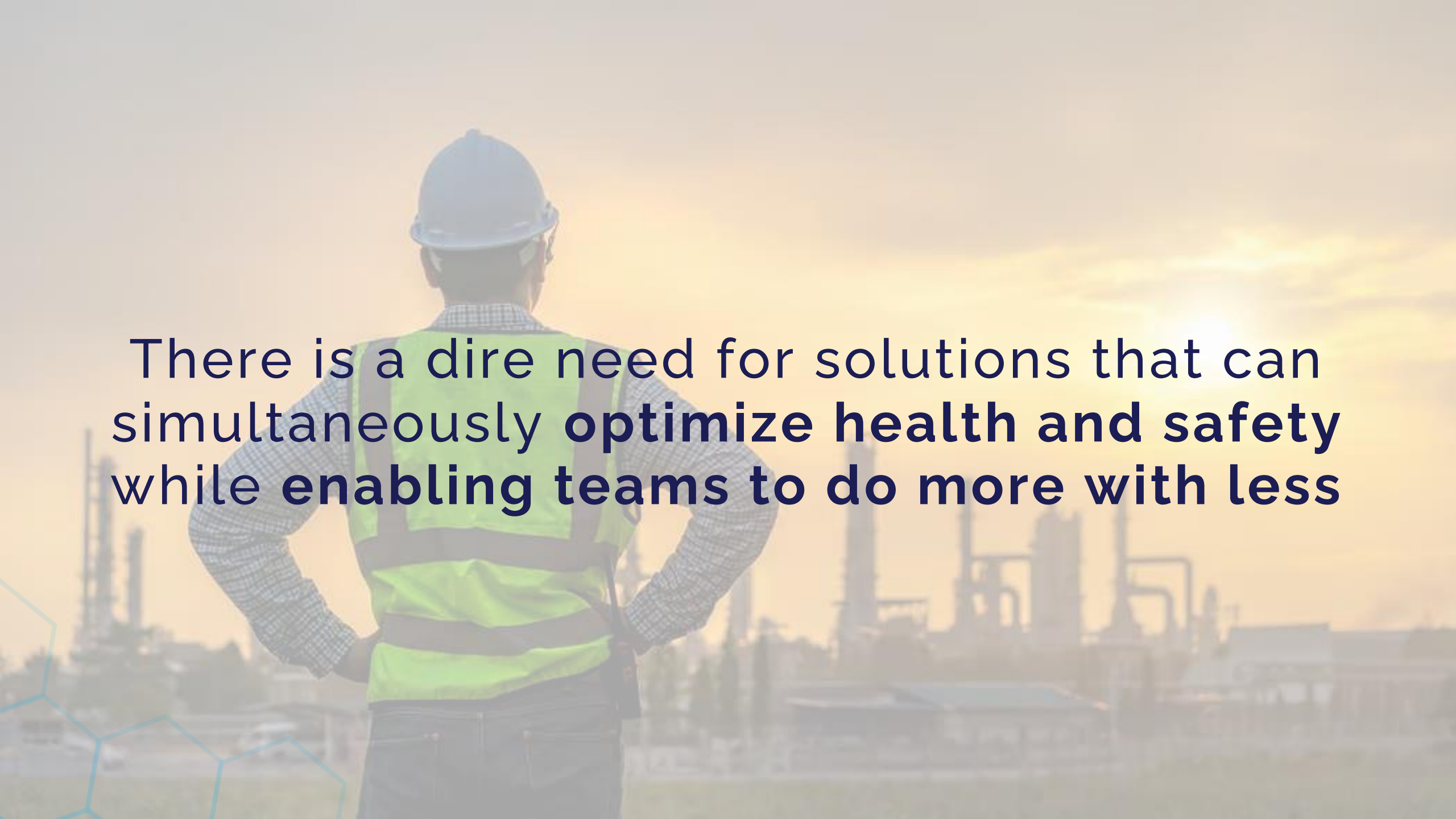
7,500 global daily deaths due to unsafe and unhealthy working conditions

~85% of serious injuries and accidents are attributed to human error or negligence

$250B is spent annually in the US on job-related injuries, illnesses, & fatalities

$44k of average cost to employer per medically consulted injury

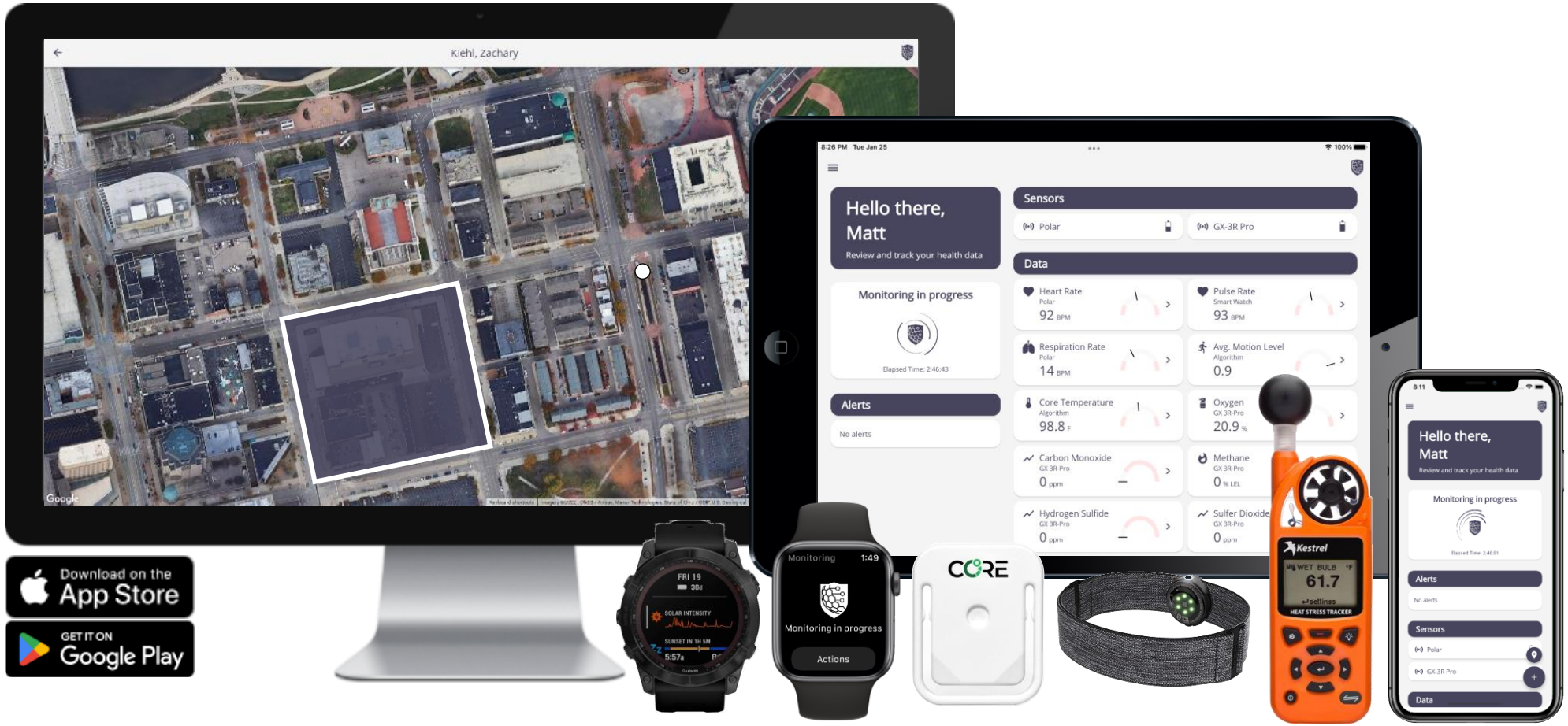
68% of workers globally do not feel completely safe working in their employer's buildings (post-Covid)



There is a dire need for solutions that can simultaneously **optimize health and safety** while **enabling teams to do more with less**

SafeGuard®

Intelligent Guardian for Personalized and Predictive Health & Safety Risk Assessment



MODERN. SECURE. SCALABLE.

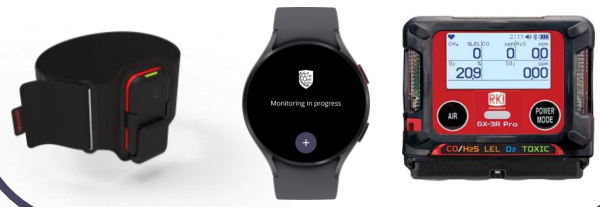
Sensors

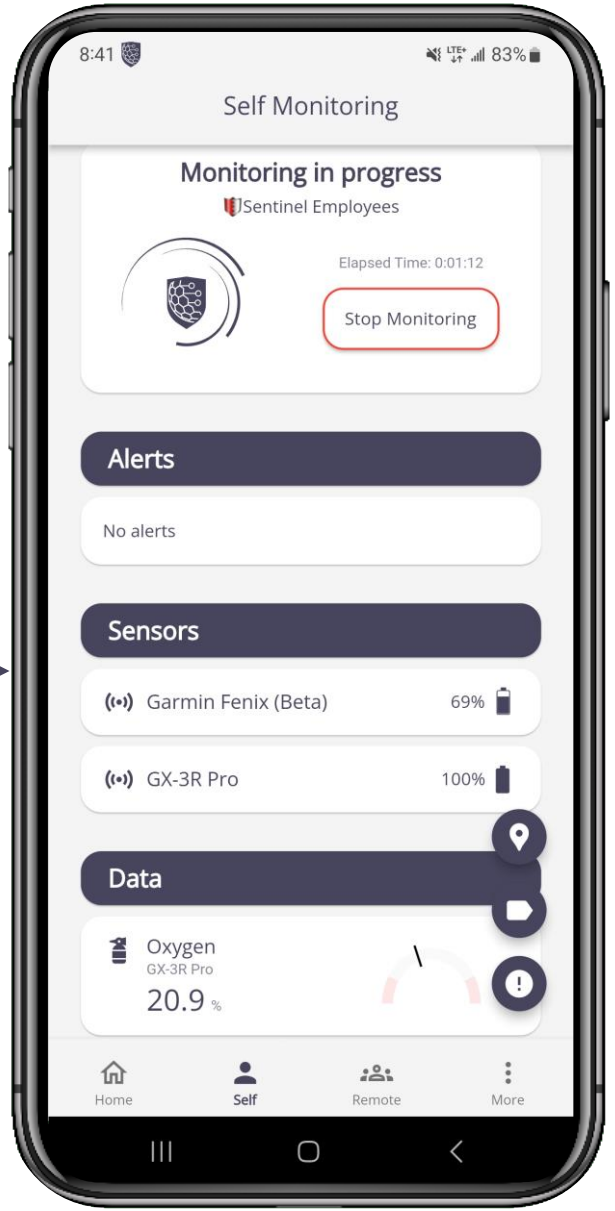
Analytics

Insights

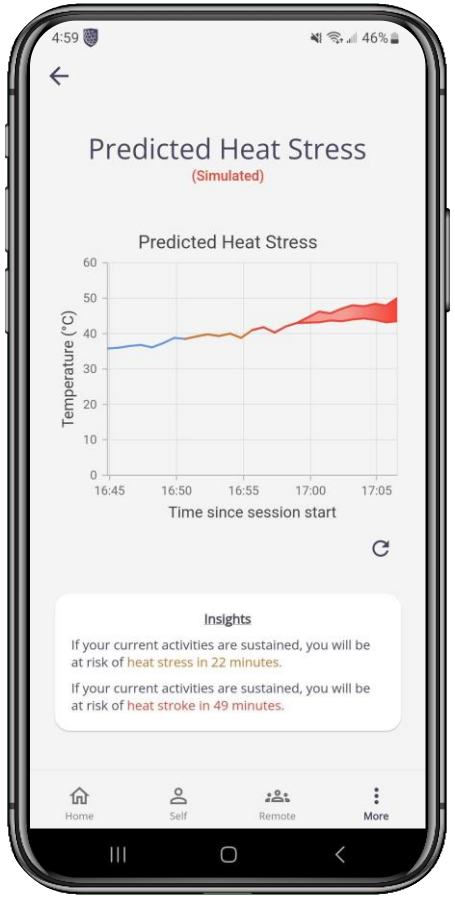
API Data Streams (e.g., Weather, AQI)

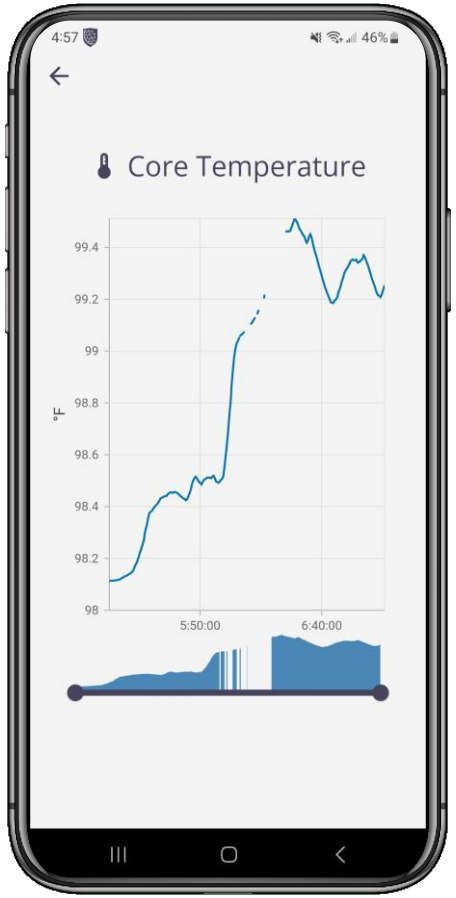
Wearable Sensors

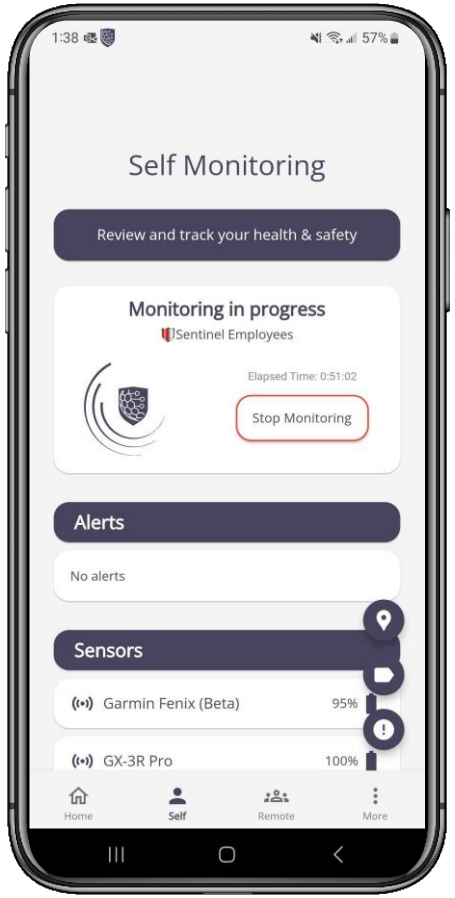




User View

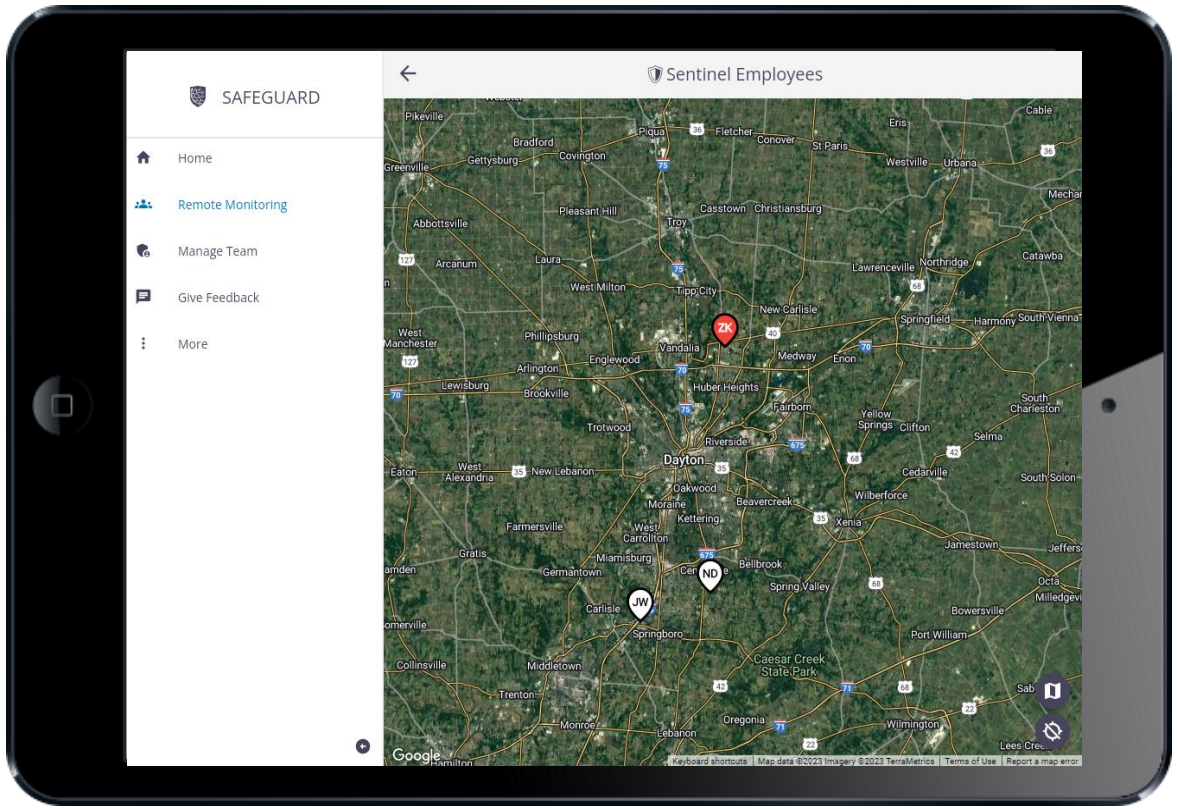


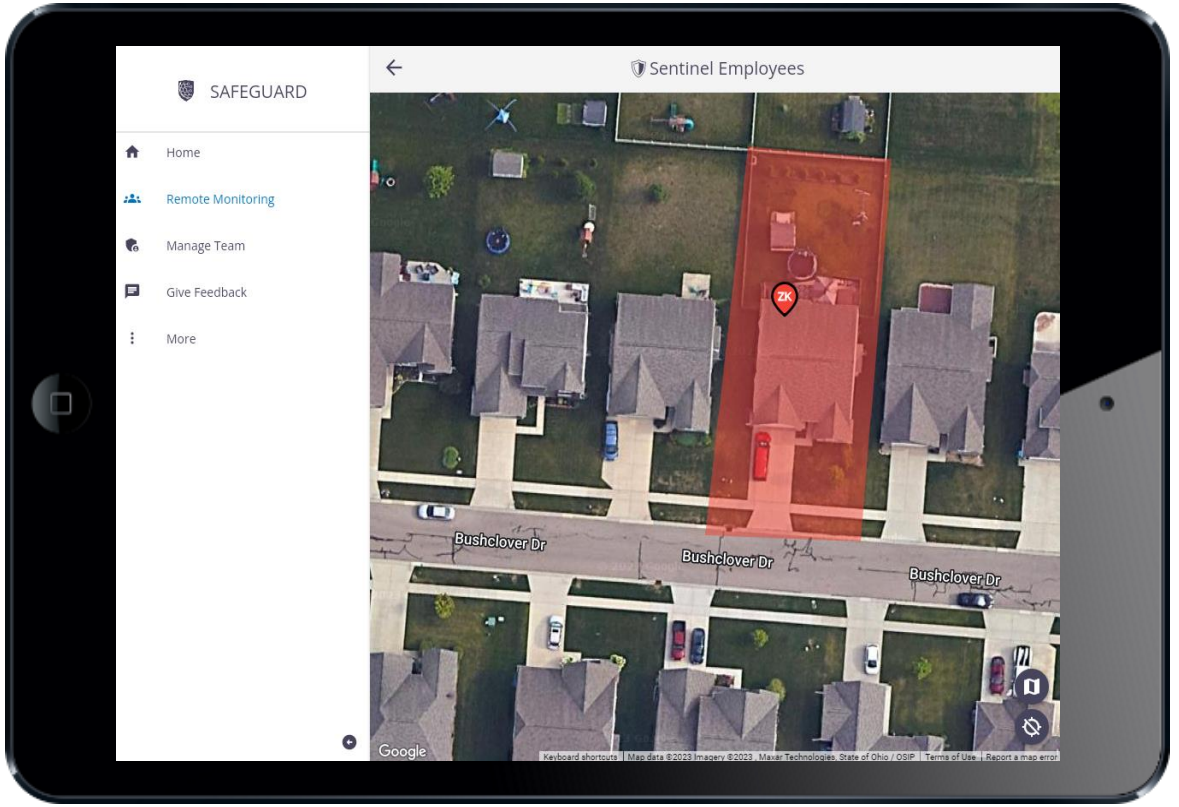




SafeGuard empowers users to better understand their health, safety, and the environment around them

Guardian View



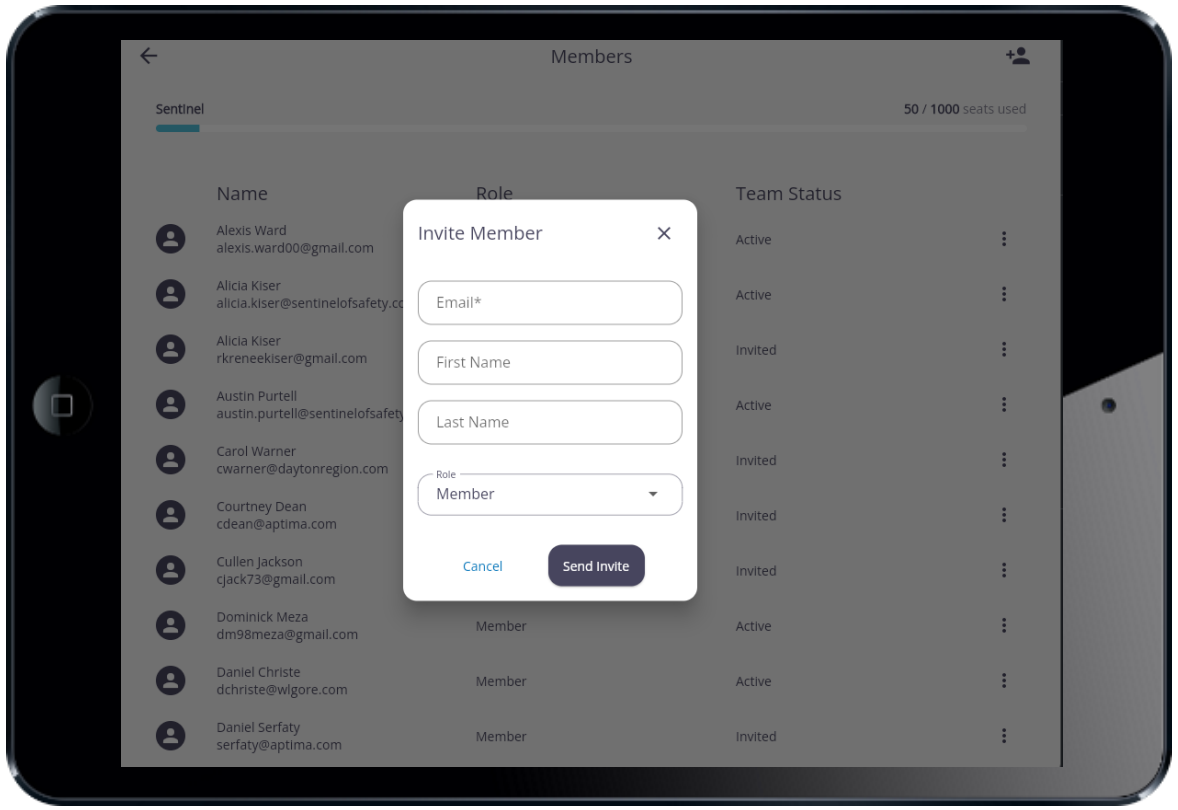


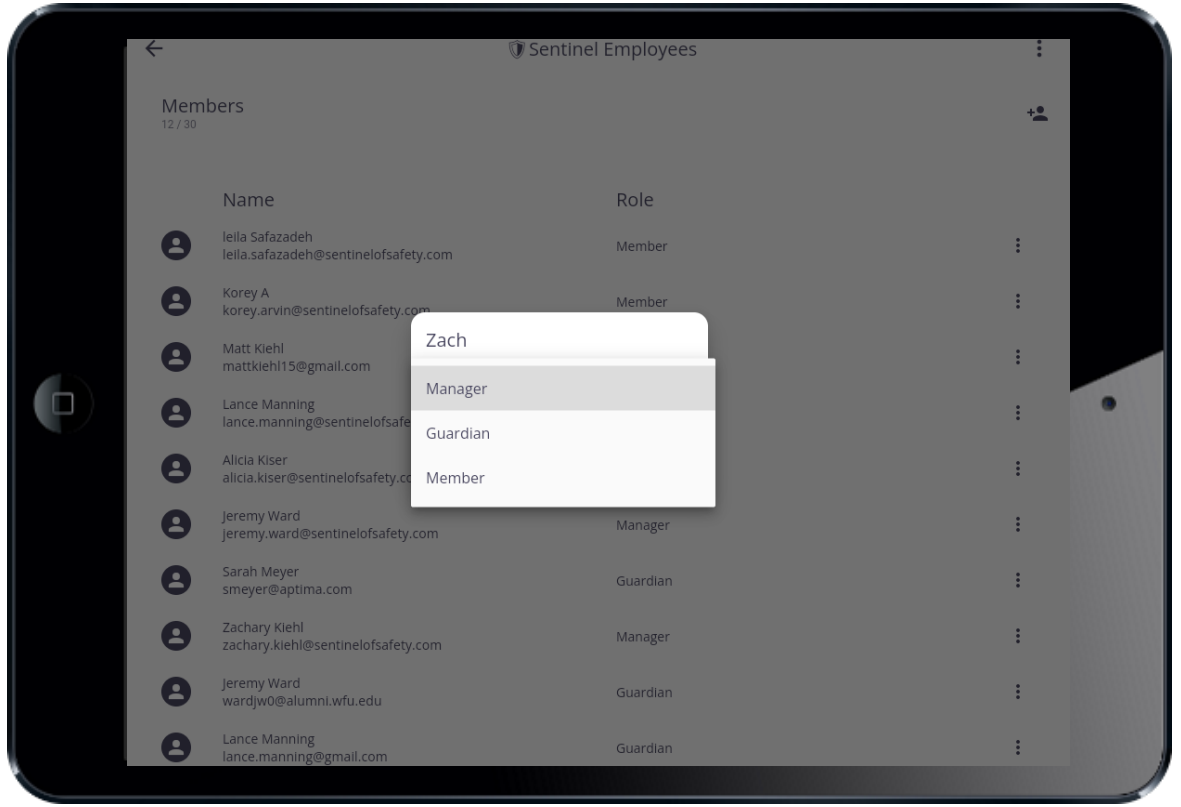
SafeGuard's cross-platform capability allows for live viewing of data across a range of end-user devices and operating systems

Guardian View Continued

SafeGuard provides customizable real-time alerts and longitudinal insights to users, guardians, and management

Manager View

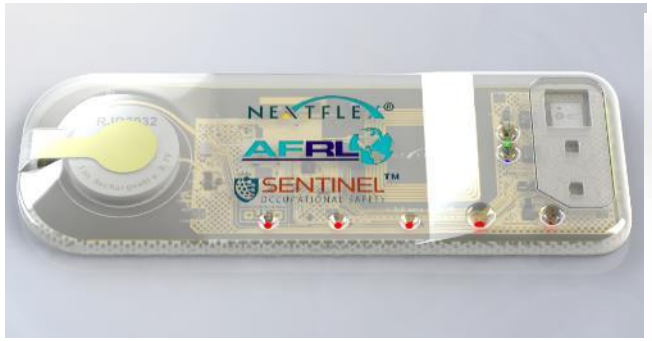




SafeGuard seamlessly manages roles and permissions to ensure that sensitive data is only shared with individuals with the appropriate level of access

Open-Architecture Approach








SafeGuard's open architecture allows for the selection of the right sensor(s) for the job at hand, including devices that soliders are likely already wearing (e.g., Apple Watch, Garmin).

Holistic Measurements

Health

Heart Rate
Respiration
Skin & Core Temp
Oxygen Saturation
Motion Level

Environmental

Toxic Gases
Temp & Humidity
Noise Exposure
Ionizing Radiation
Weather

Locational

GPS
Geofencing
Muster/Evacuation
Step Count
Assigned Location

Behavioral

Time on Task
Fall Detection
Exertion
Posture
Help Requests

Personalized & Preventative Insights

Competing solutions are either “single point” and solve a partial set of needs or costly and cumbersome platforms that struggle to interface with the latest innovations.

Use Case 1: Heat Stress

Solution

SafeGuard's heat stress monitoring capability provides proactive intervention and real-time alerting

Background

A production technician finishes a shift that required them to work outdoors for 12+ hours in a hot and humid environment

Problem

Technician collapses on his way to the parking lot and is found by a colleague with a body temperature of 107 degrees

Outcome

Worker dies the next day after core body temperature rose to 108 degrees on the way to the hospital

Use Case 2: Confined Space Fatality

Solution

SafeGuard's personal O2 atmospheric/chemical sensor alerts worker prior to collapse and death

Background

Maintenance worker inspects an infrequently opened confined space. O2 levels at the entry hatch appear normal.

Problem

Corrosion in the space has reduced O2 to critical levels. Worker collapses in the bottom of the space.

Outcome

2 workers fatalities from asphyxiation, $550k in regulatory fines, and a tarnished safety reputation

Use Case 3: Lone Worker Collapse

Solution

SafeGuard's wearable voltage sensors (under development) and physio monitoring alerts prior to or immediately following worker collapse

Background

Working alone and at night, a repair technician responds to a reported outage

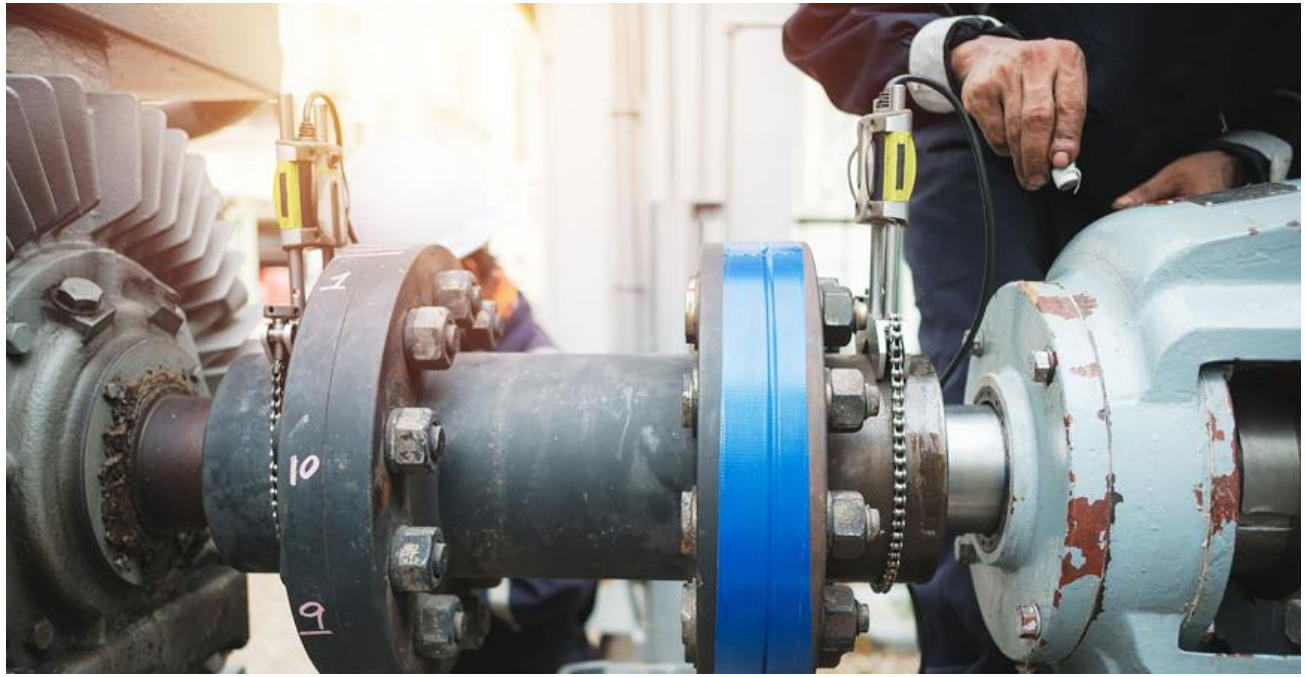
Problem

Proper procedure is not followed, and the technician is found unconscious nearly 1 hour later after electrocution from a shared utility pole

Outcome

Worker is transported to hospital and succumbed to his injuries and dies; investigation and litigation pending

Use Case 4: Technician Entrapment



Solution

SafeGuard's wearable chemical sensors and physiological monitoring alerts as technician is pinned and unable to call for help

Background

Short-staffed maintenance crew assigns a lone technician to repair machinery in a manufacturing environment

Problem

Worker is in a hurry and proper protocol is not followed. Worker becomes pinned by machinery and is not found for several minutes.

Outcome

Worker dies from sustained injuries, $70k in OSHA fines, a tarnished reputation, and an ongoing lawsuit

Use Case 5: Chronic Exposure

Solution

SafeGuard's noise exposure and location tracking log exposure and worker location, preventing NIHL and litigation

Background

Unionized workforce is required to operate in areas with high levels of noise (i.e., > 90 dBA TWA).

Problem

Hearing protection is provided but compliance and exposure is not systematically tracked. Employer is sued.

Outcome

Multiple individuals with partial NIHL and tinnitus; lawsuit with 7-figure settlement.

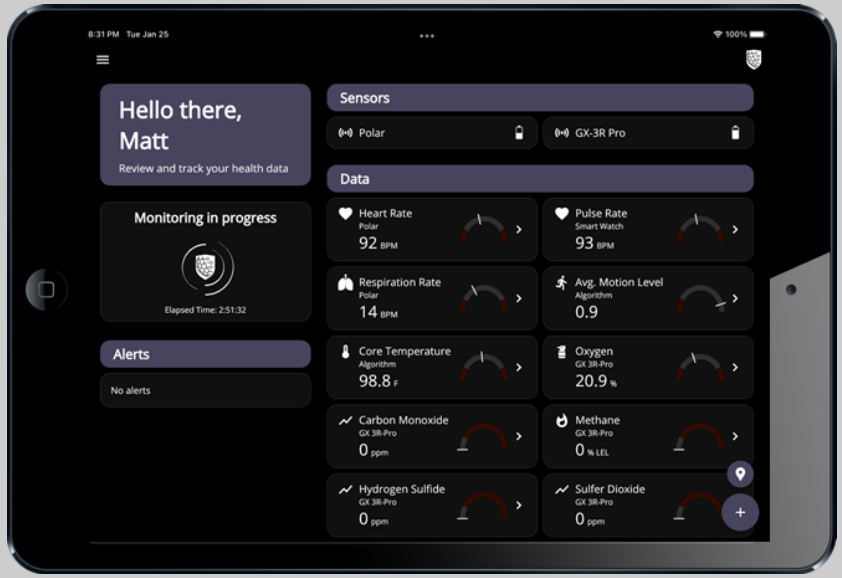
DoD-Level Privacy & Security

SafeGuard's DoD origin provides a secure, compliant, and flexible basis to customize security and privacy controls as needed

Data & Profile Anonymization

Customized Data Deletion

Data Encryption & Isolation



FedRAMP

amazon web services

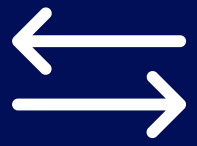
HIPAA

MADE IN THE USA

Our Business Model: Safety as a Service®

SafeGuard's tiered SaaS model provides a diverse set of personalized human assessment and protection features at an affordable cost

Health & Safety Monitoring



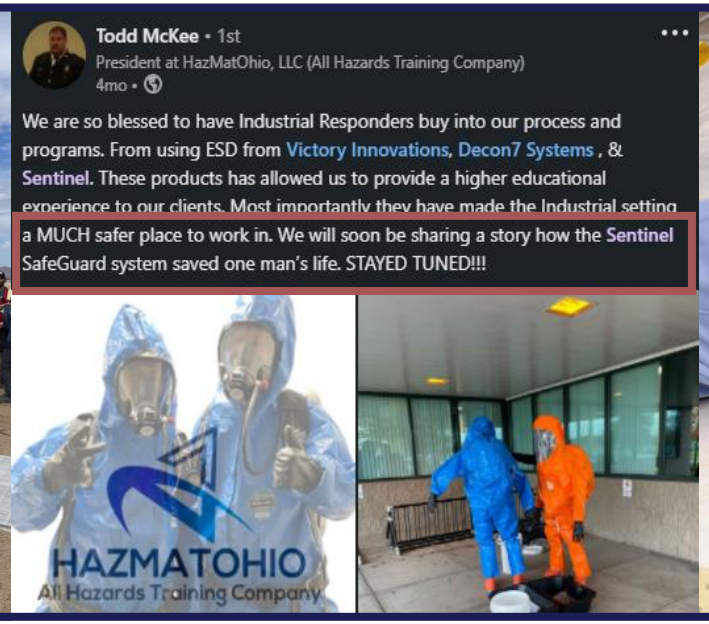
Monthly Fee Per User

SafeGuard's entry-level offering starts at just $25/month

Case Studies: Real-time Health & Safety Monitoring

Who: LASD & USCG MRST
Where: Platform Edith, CA

Who: Boeing Fire, EMS, & EHS
Where: Willcox Playa, AZ



Who: HazMatOhio Client
Where: Somewhere in OH

Who: USAF Aircraft Mechanics
Where: WR and MacDill AFB

Los Angeles County Sheriff's Department

BOEING

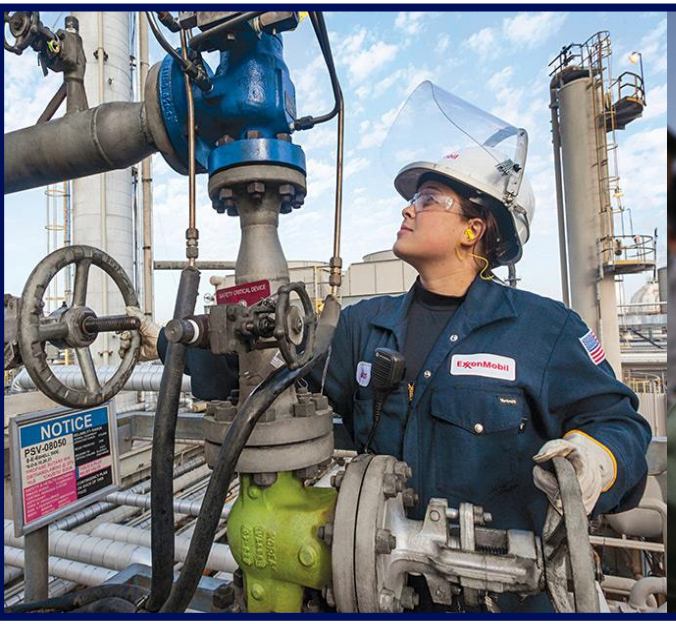
NASA

HAZMATOHIO
All Hazards Training Company

AFRL
THE AIR FORCE RESEARCH LABORATORY
LEAD | DISCOVER | DEVELOP | DELIVER

U.S. AIR FORCE

Ongoing or Planned Pilots with Large Enterprises



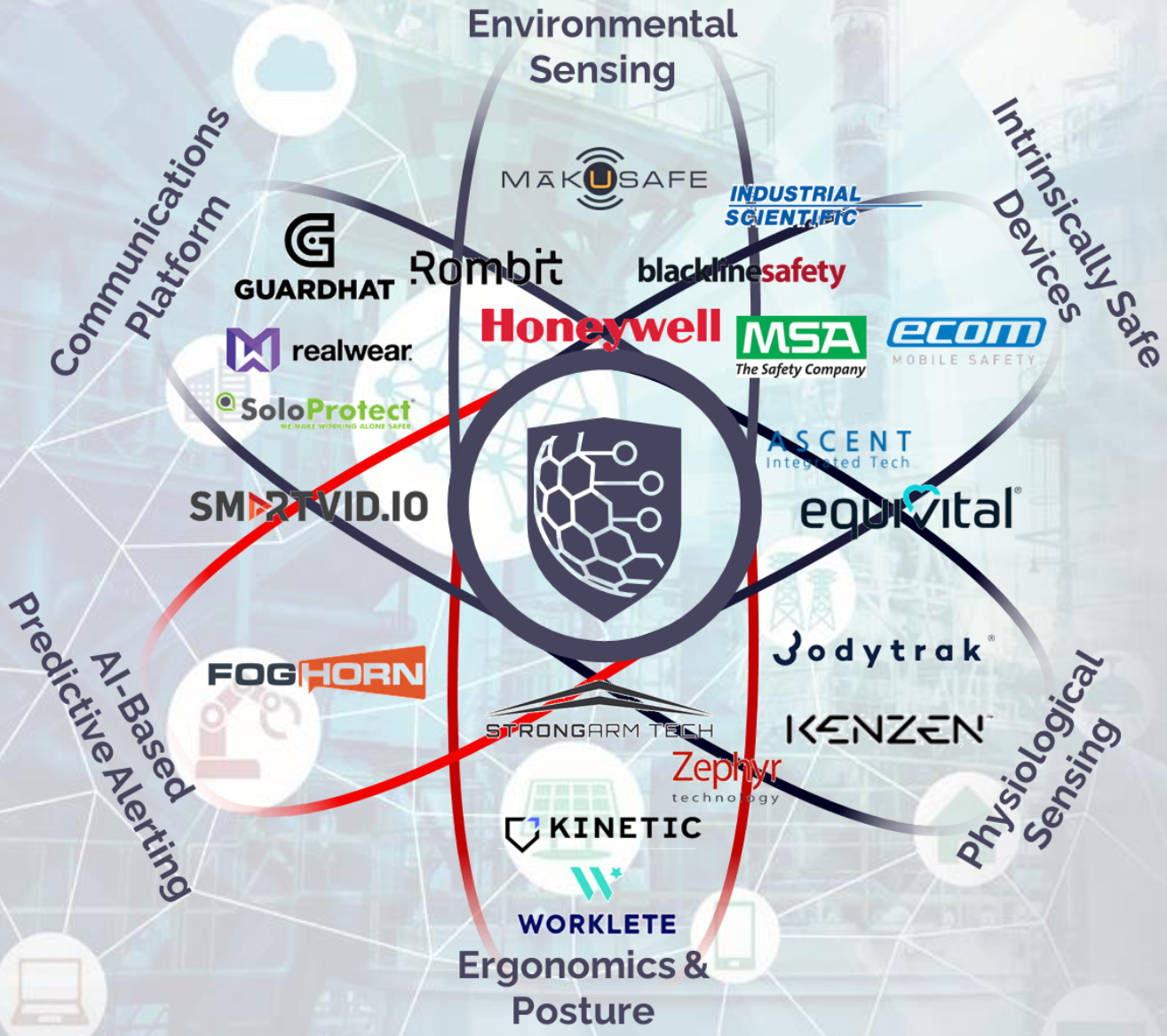
Who: Exxon Mobile
Where: Baton Rouge, LA

Who: DHS - CBP
Where: Several Locations

Who: Amazon Delivery Drivers
Where: Multiple Locations

Who: RO Construction
Where: Multiple Locations in TX

Why SafeGuard?



- Open architecture
- DoD privacy and security
- Mobile & scalable solution

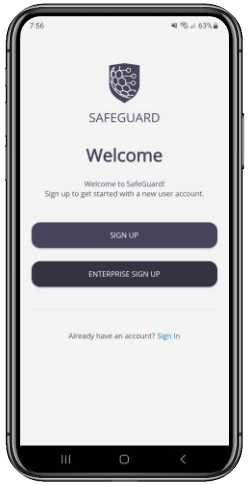
Our Ask: Pilot Program

Identification of users and sensor selection

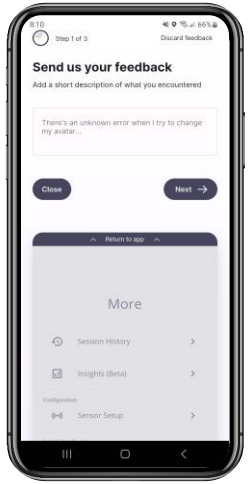
Account creation and SafeGuard user onboarding

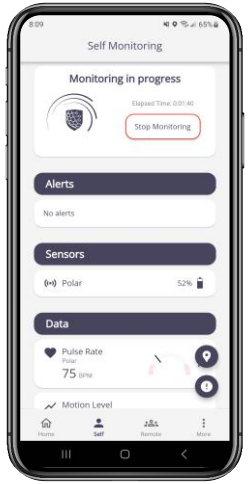
Download on the App Store

GET IT ON Google Play



Continuous monitoring and feedback





Scaling with your Enterprise

Crawl	Walk	Run
Small pilots to demonstrate feasibility	Larger pilots to validate logistics and cost at scale	Ongoing use and use case expansion
Typically 2-30 users	Typically 30-100 users	Typically 100’s or 1000’s
Cost: ~$3-10k	Cost: ~$10k-50k	Cost: TBD

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CEO & Cofounder

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