



 www.slatesafety.com
 info@slatesafety.com

Mission:
Eliminate preventable worker
injuries and deaths



Problem

No easy way exists to prevent heat injuries for large groups performing hazardous work

\$100B per year

Lost in productivity

170,000 per year

Worker injuries

2,000 per year

Worker deaths

\$80K per injury

In fines, compensation,
etc.

Current Solution - Complicated environmental monitors measure ambient area not the person leading to guesswork and are not connected leading to manual paperwork



“Heat is the leading cause of death among all weather-related phenomena, and it is becoming more dangerous as 18 of the last 19 years were the hottest on record.”

Sources: [Citizen.org](https://www.citizen.org), [OSHA.gov](https://www.osha.gov)



Solution

An easy-to-use, rugged and reliable system to solve heat stress in real-time

BAND V2



- Worker simply wears BAND V2
- Biometrics & location data
- SOS, alerts & other notifications

SlateSafety Cloud



- Edge-based IoT architecture
- Enterprise security certifications
- Integrations available via API

SlateSafety Software



- Real-time dashboard & historical analytics
- Straightforward system configurability
- Web, Android and iOS Applications

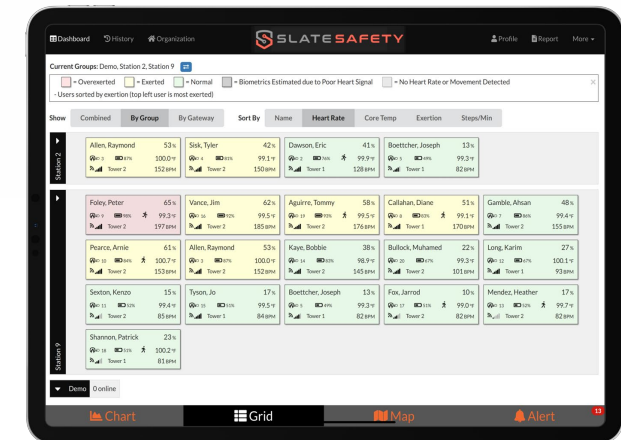


The SlateSafety System

- Specifically designed to be **easy-to-use** with large groups of people.
- Heat stress metrics:
 - Exertion,
 - Heart Rate,
 - Core Temperature,
 - ACGIH Heart Rate Limit Value (HRLV)
- Lone Worker Metrics (toggleable):
 - GPS
 - SOS TapAlert
 - No Movement Alert



BAND V2



Real-time Dashboard



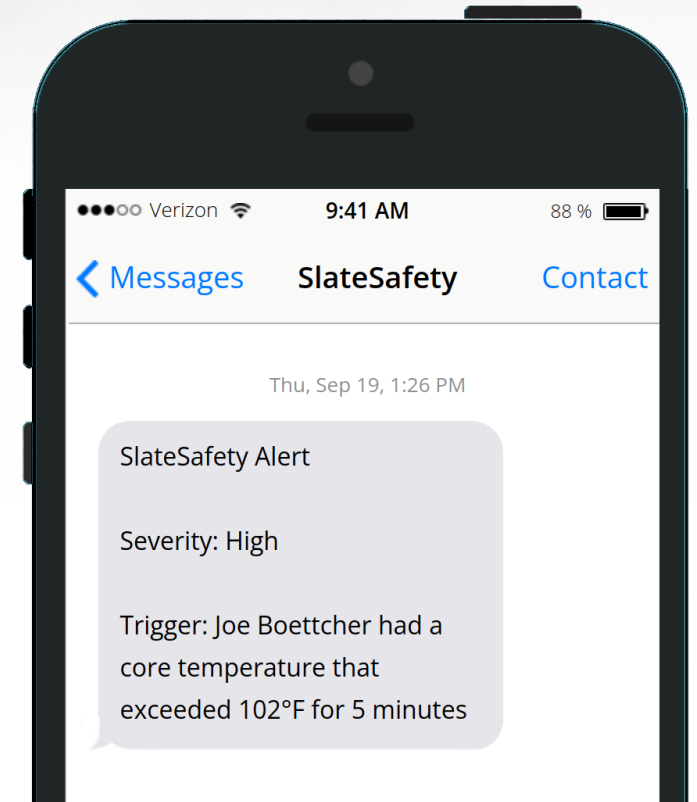
The SlateSafety System

Configurable Alerts

- Can change alert thresholds
- Can change alert contacts
- Receive alerts as text msg or email

Condition					Severity
<input type="checkbox"/>	Heart Rate ▼	Greater Than	190 BPM ▼	For 3 minutes ▼	High ▼
<input type="checkbox"/>	Core Temp ▼	Greater Than	103.0 °F ▼	For 5 minutes ▼	High ▼
<input type="checkbox"/>	Exertion ▼	Greater Than	100 % ▼	For 5 minutes ▼	High ▼

Example Biometric Alert Thresholds



Differentiation

- **Easy-to-Use System with No End User Configuration**
 - The wearer simply puts on a device for it to start working. No buttons!
 - After a one-time setup, the platform “just works”
- **Rugged and Reliable Device**
 - The wearable devices are built tough to withstand harsh conditions and are waterproof up to 150 feet.
- **Direct Cell Connection with Native Redundancy**
 - The band connects over the cellular network (just like a smartphone). If in a cell-denied area, it will automatically switch to a nearby SlateSafety gateway or store the data on the band until cellular connectivity is restored. Alerts will still trigger on the person even in a cell-denied area!
- **Flexible Software**
 - Powerful cloud-based software runs on any device



Differentiation



BAND V2



Kenzen



Polar



Garmin



Oura

	SlateSafety BAND V2	Closest Competitor (Kenzen)	Chest Strap (Polar)	Consumer Watch (Garmin)	Consumer Ring (Oura)
Fitness Metrics	✓	✓	✓	✓	✓
Core Body Temperature	✓	✓	✗	✗	✗
Exertion	✓	✗	✗	✗	✗
ACGIH® Thresholds	✓	✗	✗	✗	✗
GPS/Location	✓	✗	✗	✓	✗
Easy-to-use for large groups	✓	✗	✗	✗	✗
Real-Time Safety Alerts	✓	✓	✗	✗	✗
Man Down/SoS Alert	✓	✗	✗	✓	✓
Integratable with other systems	✓	✗	✗	✓	✗
Automated Work/Rest Cycles	✓	✓	✗	✗	✗
Direct Cellular Connection	✓	✗	✗	✓	✗
Battery life over 24 hours	✓	✗	✓	✓	✓
Over-the-air updates	✓	✗	✗	✓	✓



Competitive Advantage



Health and Safety Focused



Real-time alerts



Easy for Groups



Passive, passive, passive

Easy for Groups to Use



Fitness Focused



Safety Focused



Difficult for Groups to Use



Customer Success Story: DoD Training Academy

Background



High Temps



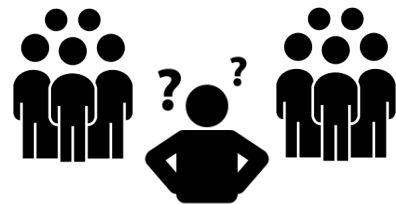
30+ Heat
Injuries / yr



High Class Attrition
Rates

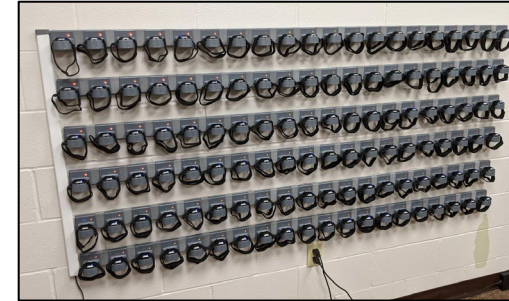


DoD Training Class



Need to monitor the
safety of 600 students
at once

Our Solution



Frictionless install
and incorporation
into SOP.

Over 5,000 students monitored through 1,000,000+
training hours and 0 heat related injuries.



100% reduction in heat related injuries

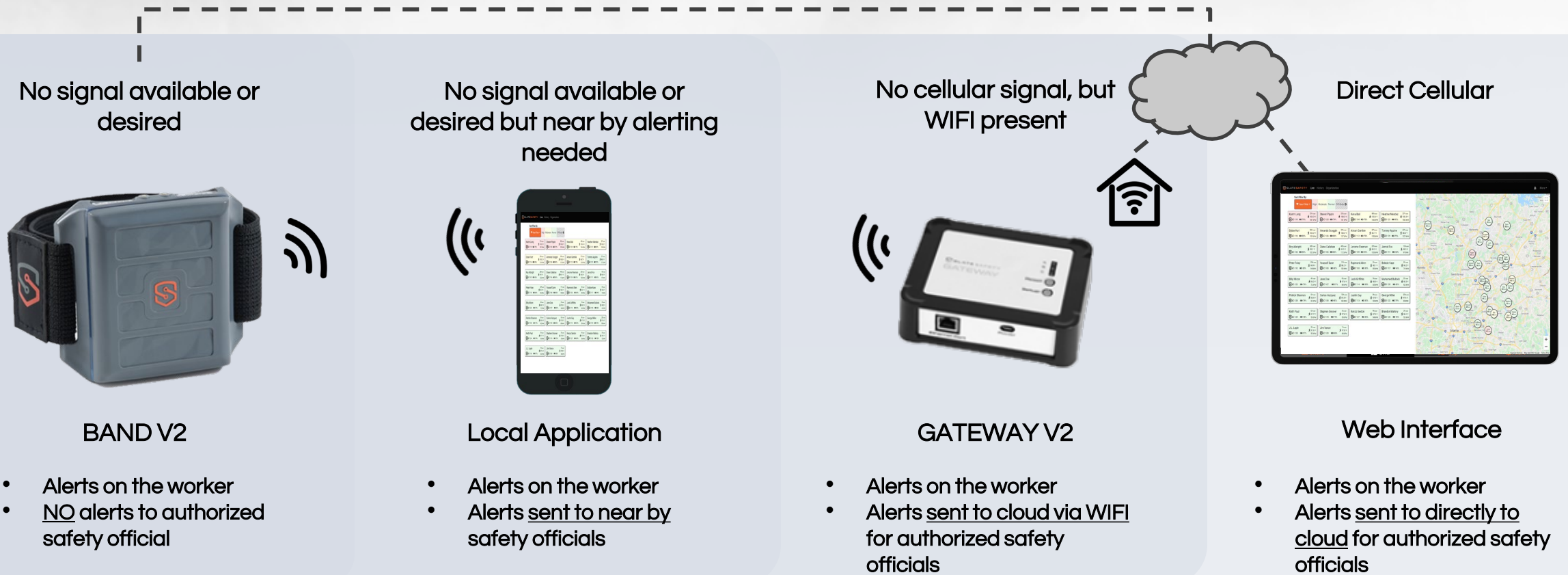
"This wouldn't be possible with the [other system]. You would need a guy following everyone around with a laptop." -Contracting Officer



Appendix



BAND V2 Methods of Connectivity



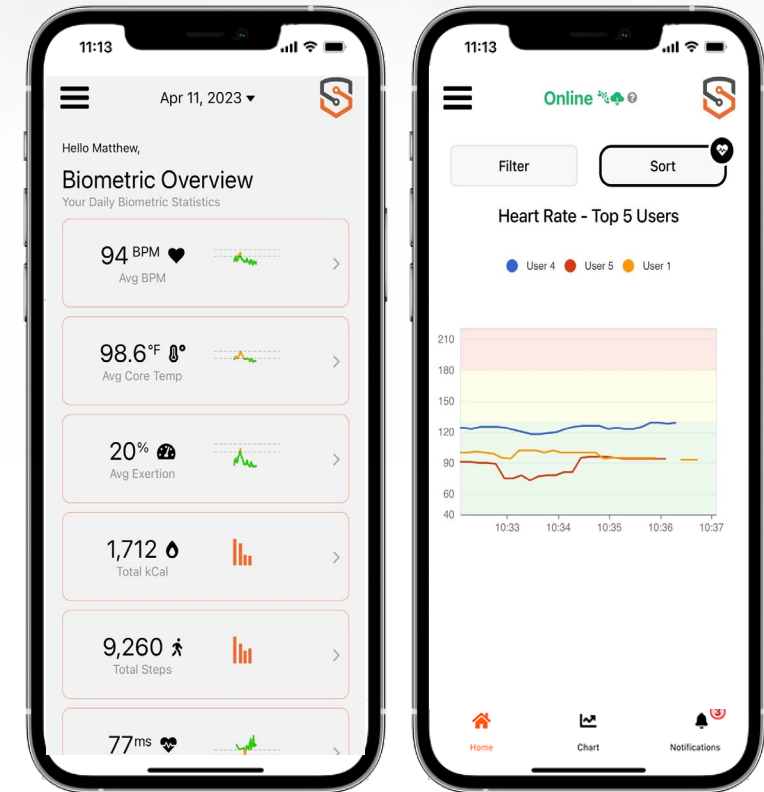
The SlateSafety System

SlateSafety Go

- iOS and Android App
- Ability to view live data easier on phone

SlateSafety Go - My Stats

- Ability for workers to login and view their own data



The SlateSafety System



BEACON V2

- Heat Index
- Temperature
- Humidity
- Real-Time and Historic Location



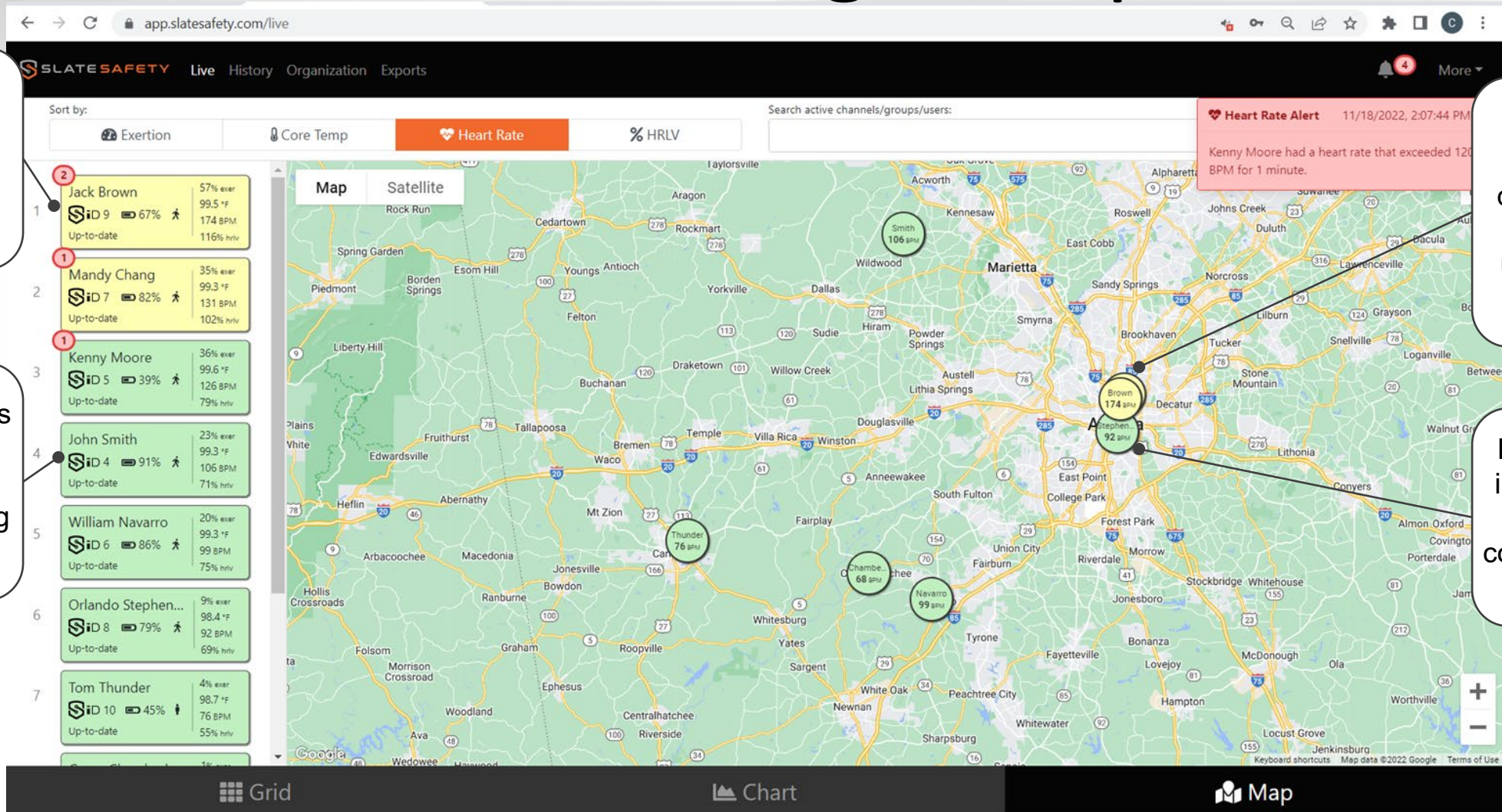
Software: Live Page, Map View

Cards are automatically sorted based on metric selected

Individual cards represent the user and person wearing a device

With GPS enabled, devices show locations of users in real-time

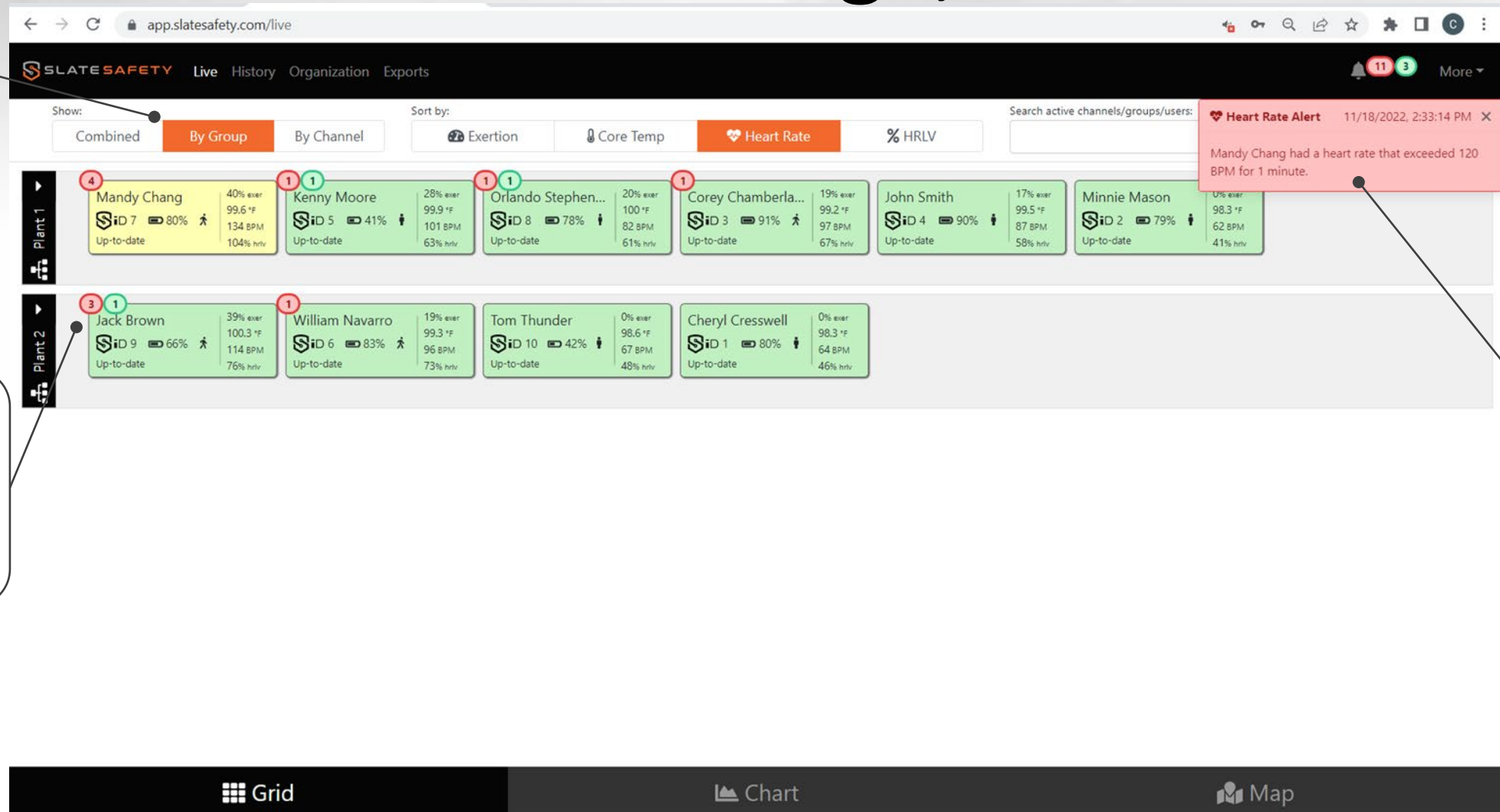
Icons on map include metric and change color to indicate risk level



Software: Live Page, Grid View

Sort User Cards by Group to see who is working where

Know which workers have triggered the most alerts and Return-to-Work notifications



Alerts in real-time when a worker has triggered an alert

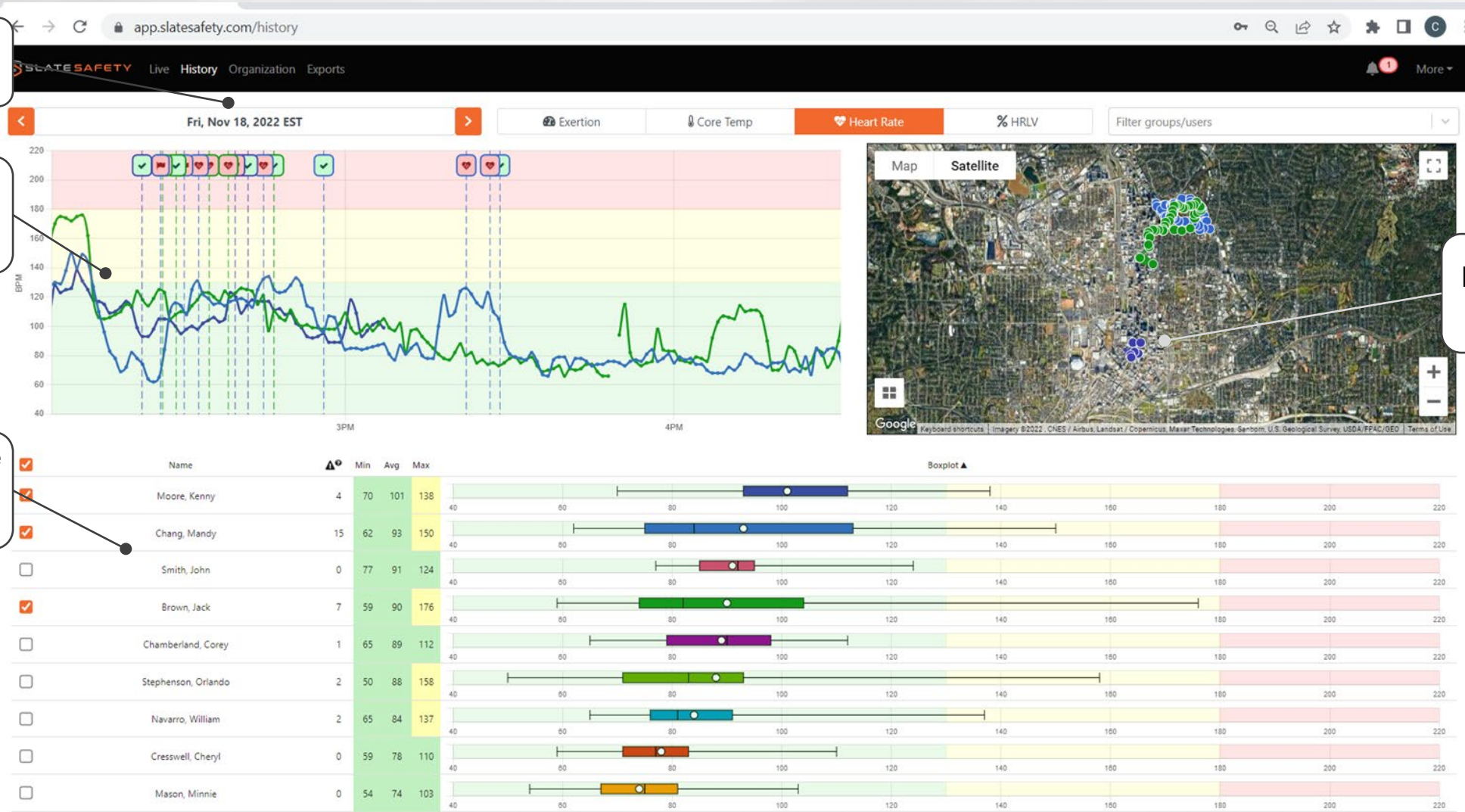


Software: History Page

Historical Date
Picker

Historical
charting of
metric for user

Historical range
of metric for
user



Historical user
location

Software: Organization Page

Organization Name

Group Management

User Management

Loadouts

app.slatesafety.com/organization

SLATE SAFETY Live History Organization Exports

Georgia Concrete

Active Archived

Groups (3) Users (13) Loadouts (3) BANDs (10) Gateways (0) Contacts (0) Settings

Filters

Name

Batch Actions New Group + Refresh

<input type="checkbox"/>	Name ▲	# of Users	Last BAND Usage	Edit
<input type="checkbox"/>	Plant 1	7	2 minutes ago	
<input type="checkbox"/>	Plant 2	4	2 minutes ago	
<input type="checkbox"/>	Plant 3	0	Never	

Rows per page: 10 1-3 of 3

Device Management

Gateway Management

Additional Settings

Contact Management



Additional Material

- SlateSafety Featured on NBC Nightly News with Lestor Holt
 - <https://slatesafety.com/slatesafety-technology-featured-in-nbc-nightly-news/>
- Case Study: Department of Energy Site Uses Physiological Monitoring to Keep Workers Safe from Heat Stress
 - <https://slatesafety.com/doe-site-uses-physiological-monitoring/>
- SlateSafety Partners with ACGIH® to Digitize Physiological Monitoring Guidelines
 - <https://slatesafety.com/slatesafety-and-acgi-h-announce-official-partnership/>
- What's included in a kit?
 - <https://slatesafety.com/kit-v2/>
 - <https://slatesafety.com/wp-content/uploads/2022/08/Kit-V2-web.pdf>





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