Know Your People Are Safe!

CONNECTED Personal Safety Monitoring

Where Do Traditional Portable Gas Detectors Fall Short?

Traditional Portable Gas Detectors

- When an incident occurs, ONLY the user is notified
- In a worst case scenario, assistance can arrive too late

H_2S gas leak
00m 00s

Traditional approach

00m 01s
Gas detector goes off —
no one nearby to hear it

02h 00m
Check-in missed

02h 05m
Supervisor concerned

02h 10m
Search begins

03h 30m
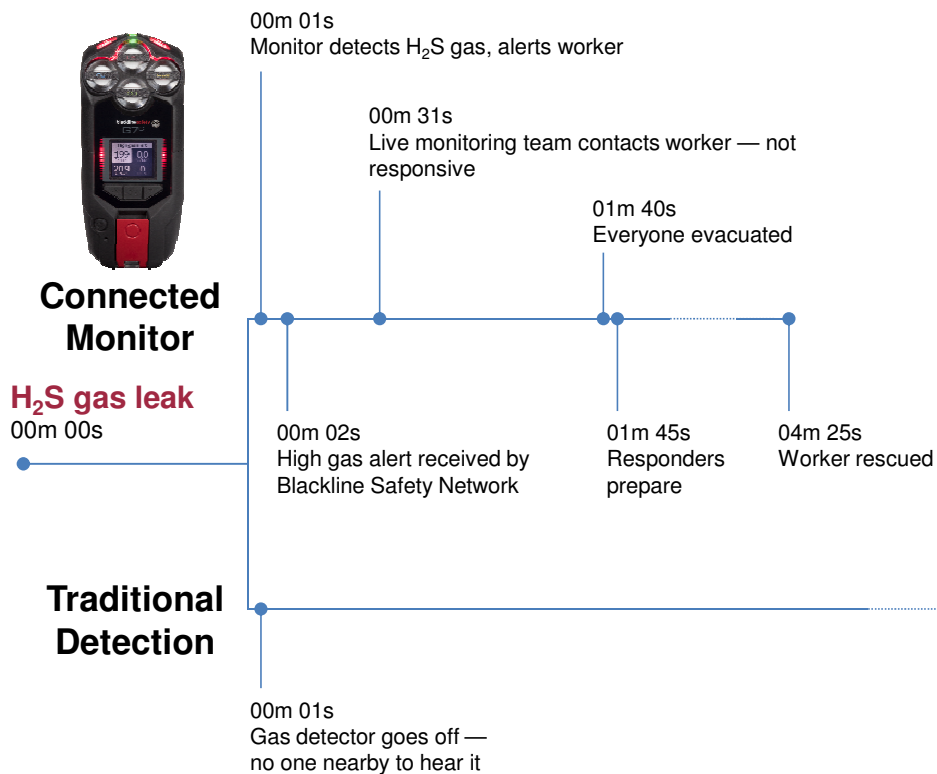Rescue/Recovery

Blackline Safety G7

CONNECTED Personal Monitoring

Why "Connected" Monitoring?

- **Alarm Events are no longer "Private Alarms"**

  - Instant text and email notification
  - Live monitoring via web portal.
  - GPS Location Information

A *Search & Rescue* is Converted to a RAPID *Rescue*

Connected Monitor

H₂S gas leak
00m 00s

00m 01s
Monitor detects H₂S gas, alerts worker

00m 02s
High gas alert received by Blackline Safety Network

00m 31s
Live monitoring team contacts worker — not responsive

01m 40s
Everyone evacuated

01m 45s
Responders prepare

04m 25s
Worker rescued

Traditional Detection

00m 01s
Gas detector goes off — no one nearby to hear it

02h 00m
Check-in missed

02h 05m
Supervisor concerned

02h 10m
Search begins

03h 30m
Rescue/Recovery

- When an incident occurs, every second counts
- Never before has a comprehensive safety monitoring system delivered:
  - Real-time situational awareness
  - Incident management tools
  - Technology to make a difference

Why Stop At Just Gas Detection?

Personal Safety Monitoring Features
- Fall detection
- No-motion detection
- SOS latch
- Check-in
- Mass-notifications for evacuations

LIVE DEMONSTRATION

EMAIL & TEXT NOTIFICATION

Email Notification

Text Notification

PORTFOLIO

Monitoring Product FAMILY

Cellular

Cellular/Satellite

G7 Bridge

- G7 Bridge device is a portable base station that provides satellite and cellular link.
- G7 Bridge communicates with the G7x through an industrial-quality 900 MHz radio link
- Iridium satellites or 3G cellular data communication with the Blackline Safety
- G7 Bridge is self-powered and portable, allowing you to quickly move it from one vehicle to another

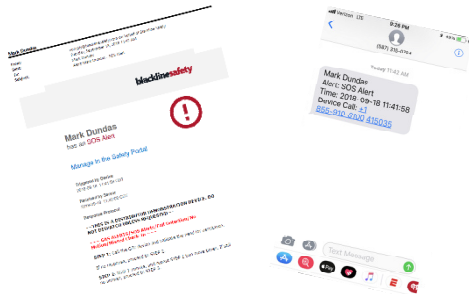# MODULAR AND CONFIGURABLE

- Field-replace cartridges in less than a minute
- Customize based upon scenarios
- Choice of gases — CO, H_2S, LEL, O_2, NH_3, CL_2, SO_2, HCN, PID and others in development
- Real-time, wireless configuration changes
- Wireless, automatic firmware updates
- Device configuration displayed to user upon startup
- **Optional Pump available in October**

Notifications and RemoteMonitoring

Text & Email
Notifications

Monitoring Portal

24/7 Live Monitoring
& Support

G7 DOCK

- The first compact, affordable dock
- Minimalist design where the G7 device manages testing
- Bump test and calibrations are performed automatically when G7 placed into dock
- G7 communicates results in real-time to Blackline Live for compliance reporting
- G7 Dock settings are stored in Blackline Live and updated via G7 device
- Supports individual gas and gas mixtures
- Can be used as a G7 charging station
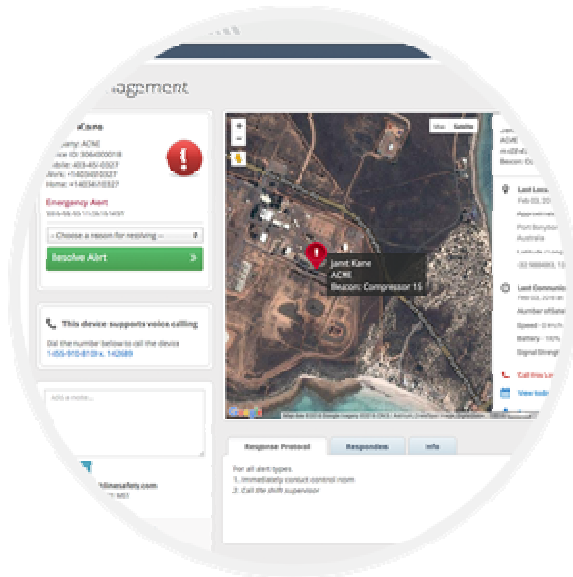
COMPLETE, TURN-KEY SYSTEM

- **No** facility communications needed
- **No** facility power needed
- **No** software installation
- **No** IT support required
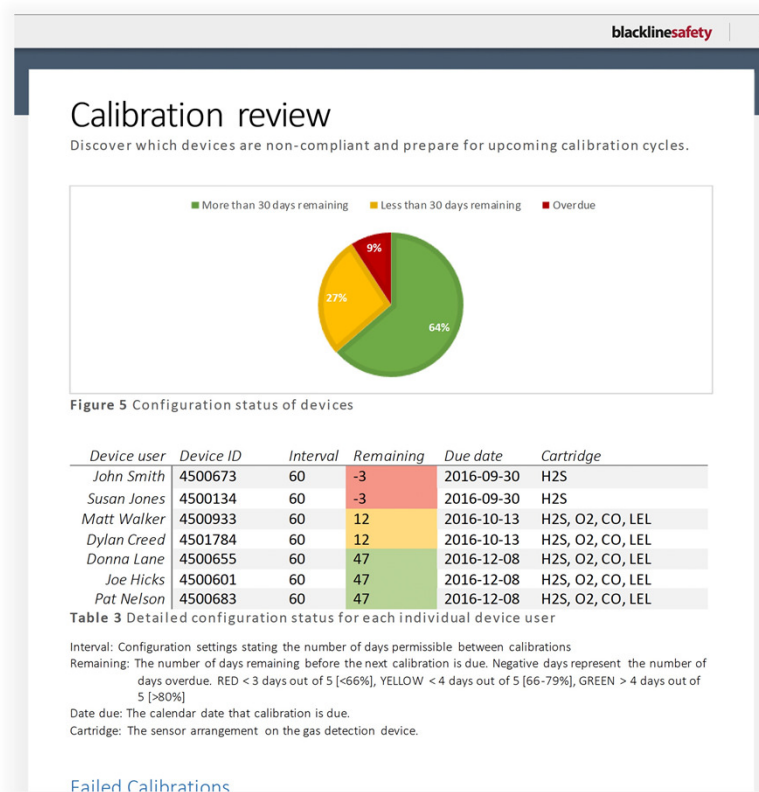
- **Everything works right out of the box**
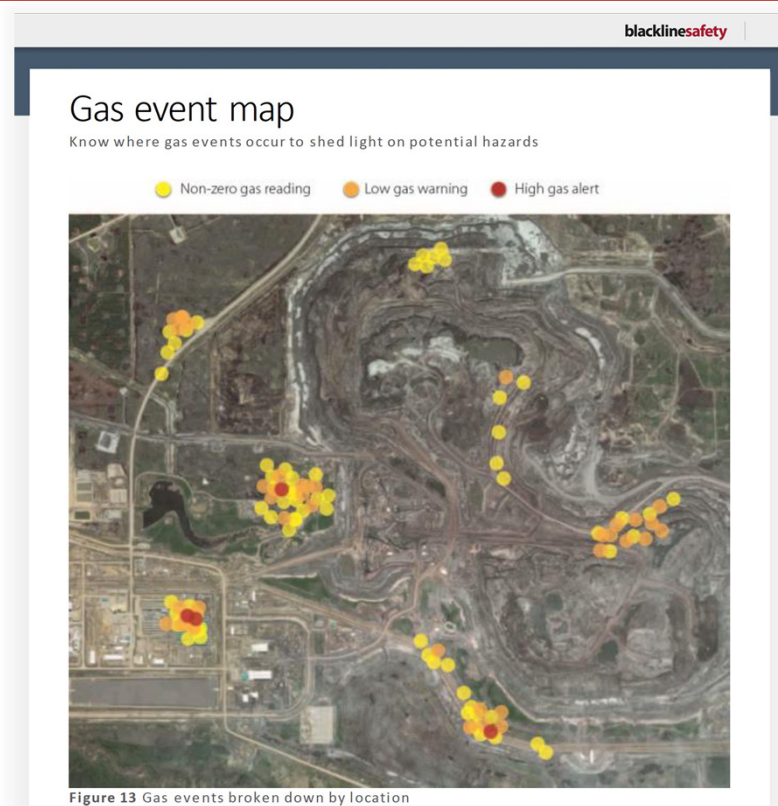
The Online Portal

BLACKLINE LIVE PORTAL

- Supports self-monitoring and Blackline-monitoring
- User and Adminstrator address book
- Wireless devices configuration profiles
- Alert profiles with custom emergency response protocol
- Map displays employee locations and nearby responders
- Evacuation management and mass notifications
- Compliance dashboard, reporting and gas exposures map

REAL-TIME COMPLIANCE

Figure 5 Configuration status of devices

Table 3 Detailed configuration status for each individual device user

- Real time reporting = saving time and money

- Calibration and bump test status

- Preventative maintenance

- All gas readings communicated

- All gas readings location-tagged

- Improve productivity and costs

- Real-time compliance dashboard and reporting

HEAT MAP REPORTING

Figure 13 Gas events broken down by location

- Mapping period instantly adjustable

- Review Fleet or Individuals

- Track Gas Readings and Alerts

- Track SOS, Fall Detection & Man Down Alerts

- Track Connectivity to Cellular or Satellite Service

- Track Personnel Movement (It's not just for trucks, you know!!!)

EVACUATION MANAGEMENT

- Evacuate an individual, teams or the whole site

- Mass-notify employees of hazards

- Actively account for everyone's safety along the way

- Monitor evacuation progress to muster points

Safety Operation Center

SAFETY OPERATIONS CENTER

- Optional 24/7 in-house live monitoring team
- Monitoring over 7,500 workers
- Offloads monitoring responsibility to a skilled team
- Each alert operator is highly trained and knowledgeable with Blackline solutions
- Reinforces product training as required
- 99.8% of alerts acknowledged within 60 seconds
- 9-1-1 dispatch option in Canada and the US

Know That Your People Are Safe!

Know when they're Not!

Know Where they Are!

blacklinesafety

We Have Your Back

QUESTIONS?