CONNECTED SAFETY TECHNOLOGY

A view of the portable gas detection future
AN INCIDENT JUST OCCURRED...
HOW FAST CAN YOU RESPOND?
CURRENT WIRELESS SOLUTIONS

• Currently, limited to Bluetooth, Wi-Fi and short-range radio link
• Bluetooth requires a certified smartphone (expensive and opposes technology convergence)
• Wi-Fi networks are incredibly expensive to roll out plant-wide, site to site
• Short-range radio links can also be expensive
• These are not ubiquitous
CONNECTED SAFETY IS THE FUTURE
THE FUTURE OF ‘CONNECTED’ (1/3)

- Works out of the box without the need for infrastructure
- Real-time situational awareness of full workforce
- 100% view of compliance: device use, calibration and bump status
- No monitoring software to install
- Real-time over-the-air device configuration and firmware updates
THE FUTURE OF ‘CONNECTED’ (2/3)

- Trigger and actively evacuate sites, plants or sections of plants
- Account for everyone’s wellbeing all the way to muster points and safe locations
- Mass-notify employees of hazards from weather, intruders to spills and leaks
- Accurate mapping of employee locations—indoors and out
THE FUTURE OF ‘CONNECTED’ (3/3)

- Comprehensive alert management tools
- Enable best use of available resources during an incident
- Work-anywhere communications
- Live, two-way voice and text message communications
- Proactive leak detection through heat maps
INTRODUCING G7

- The next best thing from prevention is emergency response empowerment
- The first, truly-connected everything-detector
- Every alert is managed in real-time by 24/7 monitoring personnel
G7 DELIVERS THE FUTURE NOW

✓ Fulfills the promise of connected safety
✓ Live evacuation management
✓ Mass notification to individuals or groups
✓ Fastest possible response management
✓ All data stored in the cloud
✓ Simple and accessible web monitoring
✓ Highest quality employee training is interactive with a live device
HOW G7 WORKS

Wireless Network
Internet-connected infrastructure
Web-based monitoring
24/7 live monitoring
Supervisors
Local response
Two-way voice calling and text messaging

Automatic detection & manual triggers

There's been an H2S leak...

00m 00s
Worker is exposed to 100ppm H2S gas

00m 01s
Gas detector beeps and flashes, but no one is around to hear it

Traditional Gas Detector

00m 02s
Monitoring team receives alert showing 100ppm H2S and worker's location

00m 31s
G7 sends a high H2S alarm to the Blackline Live network

01m 40s
Team members in affected area receive voice alert, mustering them to safe areas

With Blackline’s G7

01m 40s
Closest appropriate team members are directed to worker’s location to respond to an H2S incident

Worker rescued

06m 00s
Worker misses check-in

65m 00s
Safety manager notices missed check-in and worker is not responding

75m 00s
Team scramble to search for missing worker

Worker's body found

Alert. Locate. Respond."
SOLVING GAS DETECTION PAINS

✓ Field-replaceable, pre-calibrated sensor cartridges
✓ Cartridge replacement with no down-time
✓ Compliance reports arrive to customer’s inbox automatically
✓ Simple, cost-effective dock—no cables or SD cards
✓ Gas detection heat map aids preventative maintenance
BLACKLINE LIVE

- Our cloud-hosted monitoring account
- Employee address book
- Devices configurations
- Alert profiles
- Alert management workflow
- Interactive map with site and floor plans
- Evacuations
- Mass notifications
- Map gas exposures to plan maintenance
SAFETY OPERATIONS CENTER

- 24/7 in-house live monitoring team
- Offloads monitoring responsibility to a highly-available team
- Each alert operator is highly trained and knowledgeable with Blackline solutions
- Able to re-inforce product training as required
- 99.8% of alerts acknowledged within 30 seconds
THANK YOU!

QUESTIONS?