REAL-TIME SAFETY

LONE WORKER MONITORING, WIRELESS GAS DETECTION & PRODUCTIVITY

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ABOUT US

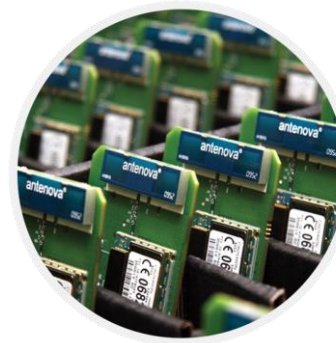Yves Carrier, Business Development and Sales Manager
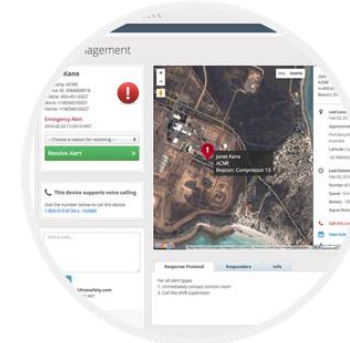

CVE: BLN

Product developer

Manufacturer

Service provider

Monitoring partner

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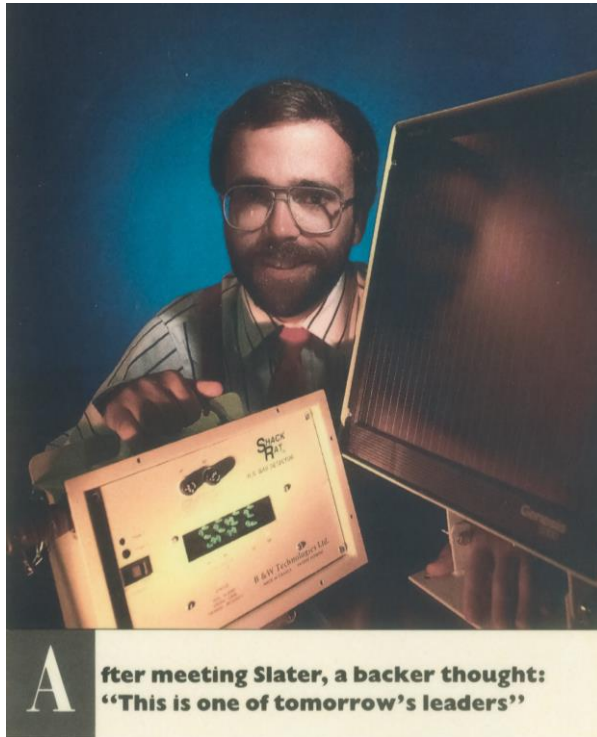
WE'VE DONE THIS BEFORE

Cody Slater, Blackline CEO
Founded BW Technologies

Dr. John Finbow, Blackline board member
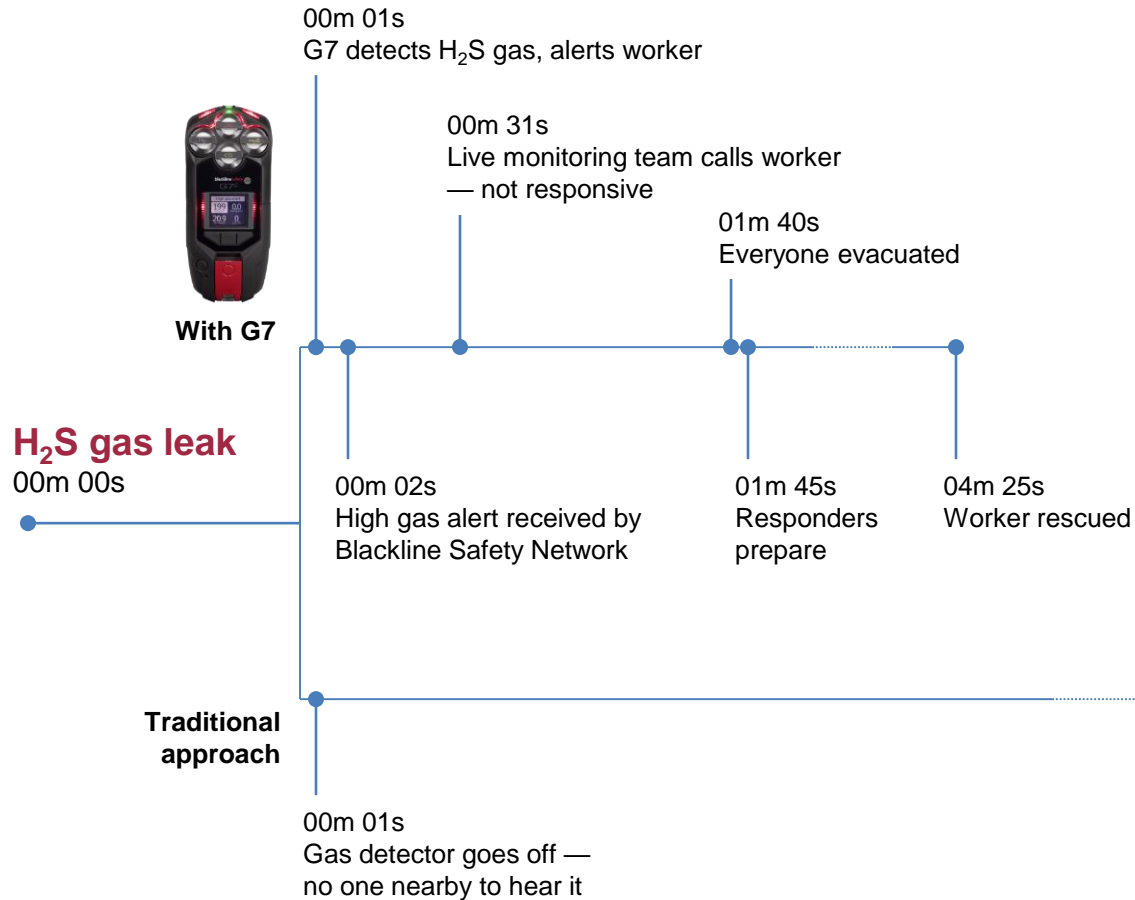Co-founded City Technologies

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WHY WE ARE HERE

blackline**safety**

OUR MISSION

"To be the global leader of connected safety and productivity solutions for people working in commercial, public and industrial environments".

RESCUE VERSUS RECOVERY: EMPOWER AWARENESS

With G7

00m 01s
G7 detects H_2S gas, alerts worker

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

01m 40s
Everyone evacuated

H₂S gas leak
00m 00s

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

01m 45s
Responders prepare

04m 25s
Worker rescued

Traditional approach

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

- 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

02h 00m
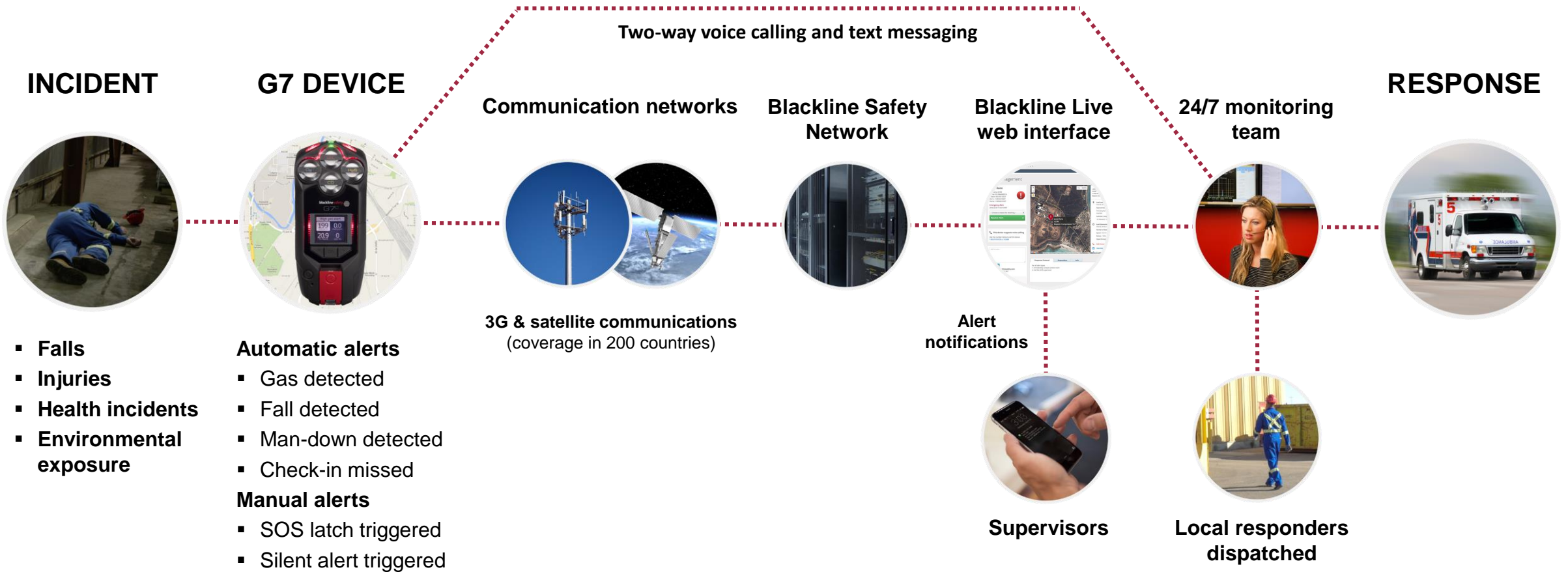Check-in missed

02h 05m
Supervisor concerned

02h 10m
Search begins

03h 30m
Body recovered

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OUR PORTFOLIO

HOW IT WORKS

INCIDENT

G7 DEVICE

Two-way voice calling and text messaging

Communication networks

Blackline Safety Network

Blackline Live web interface

24/7 monitoring team

RESPONSE

3G & satellite communications
(coverage in 200 countries)

Alert notifications

- **Falls**
- **Injuries**
- **Health incidents**
- **Environmental exposure**

Automatic alerts
- Gas detected
- Fall detected
- Man-down detected
- Check-in missed

Manual alerts
- SOS latch triggered
- Silent alert triggered

Supervisors

Local responders dispatched
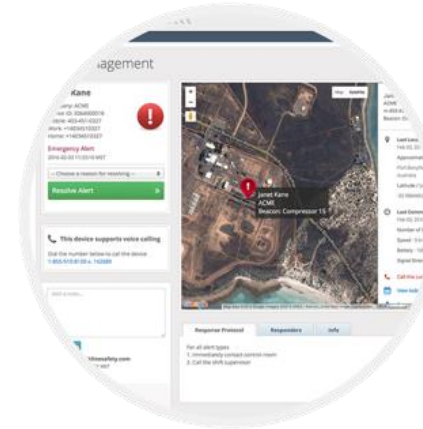
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G7 FAMILY: Configurable to your operations and risk

Cellular, 3G

Satellite Hybrid: Works where 3G doesn't. (Facility or remote in field)

SaaS Monitoring Portal: All access admin control

24/7 Live Monitoring

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COMPLETE, TURN-KEY SYSTEM

- Everything works right out of the box
- A tailored, one-vendor solution
- Works everywhere

- **No** facility communications needed
- **No** facility power needed
- **No** software installation
- **No** IT support required

- Web-based monitoring software

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PLUG-AND-PLAY CARTRIDGES
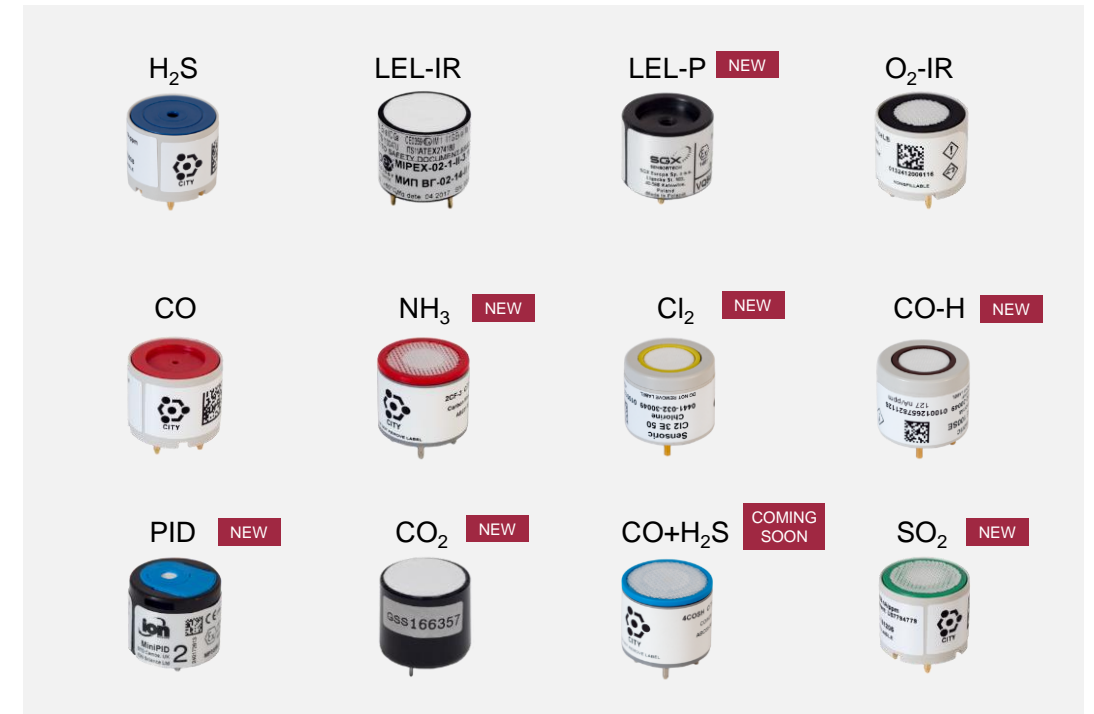
Multi-gas Diffusion

Multi-gas Pump COMING SOON

Single-gas Diffusion

- Customize according to your needs
- Eliminate downtime — field replaceable in seconds

H_2S	LEL-IR	LEL-P NEW	O_2-IR
CO	NH_3 NEW	Cl_2 NEW	CO-H NEW
PID NEW	CO_2 NEW	$CO+H_2S$ COMING SOON	SO_2 NEW

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WORLD'S FIRST 'EVERYTHING' DETECTOR

CAPABILITIES

Indoor location technology

Floor and site plans

Cloud-hosted monitoring portal
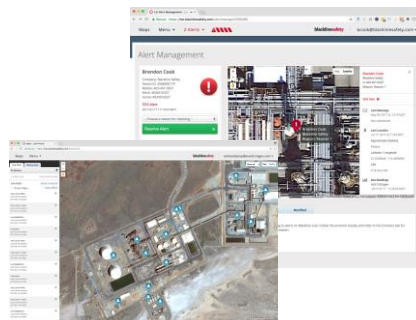
24/7 live monitoring service

Data analytics

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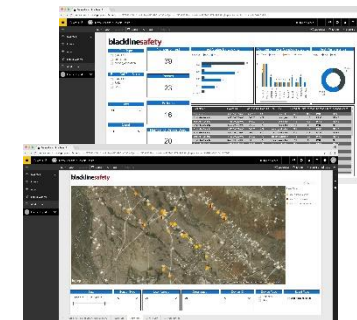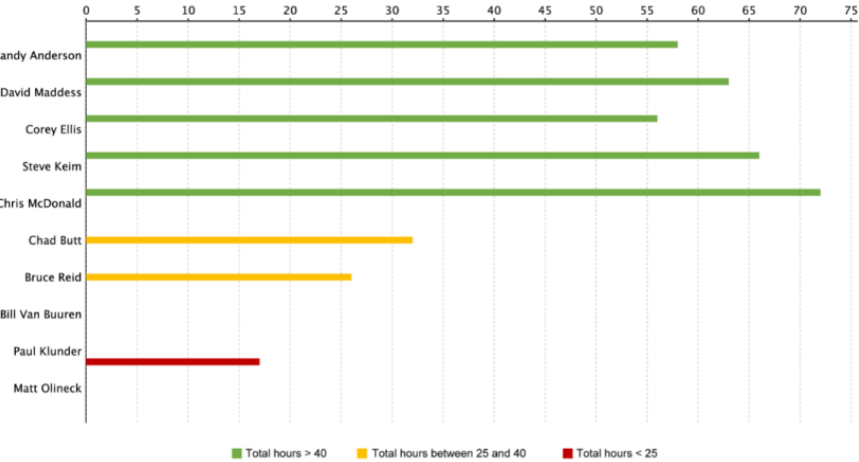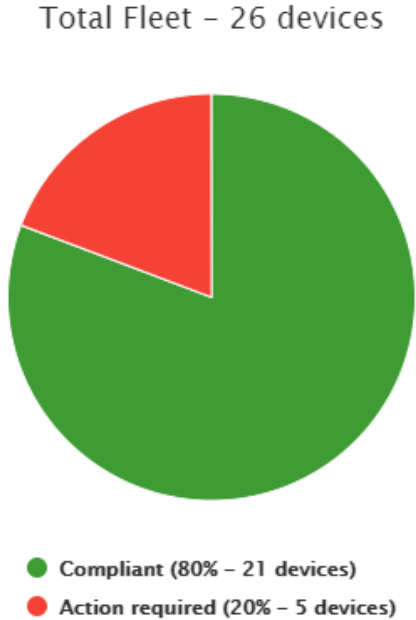
MORE THAN JUST GAS DETECTION

Is it being used?

Is it compliant?

Added Value:
Where is it?
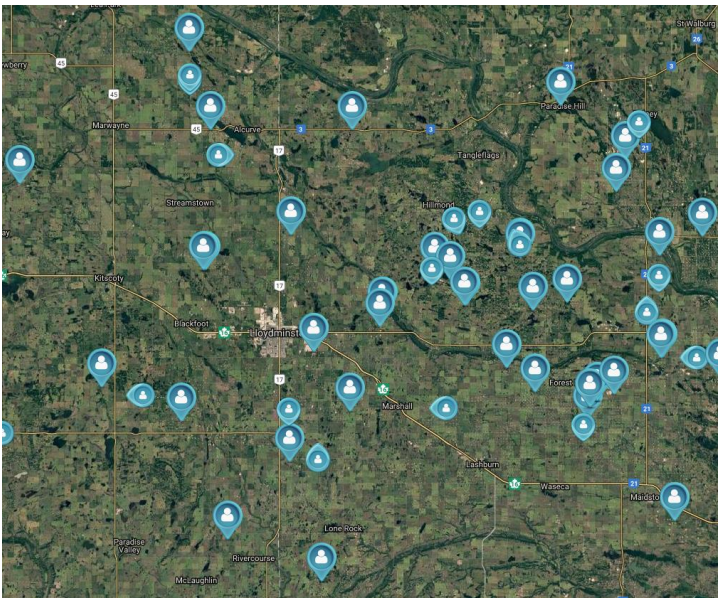
REAL-TIME GAS DETECTION COMPLIANCE

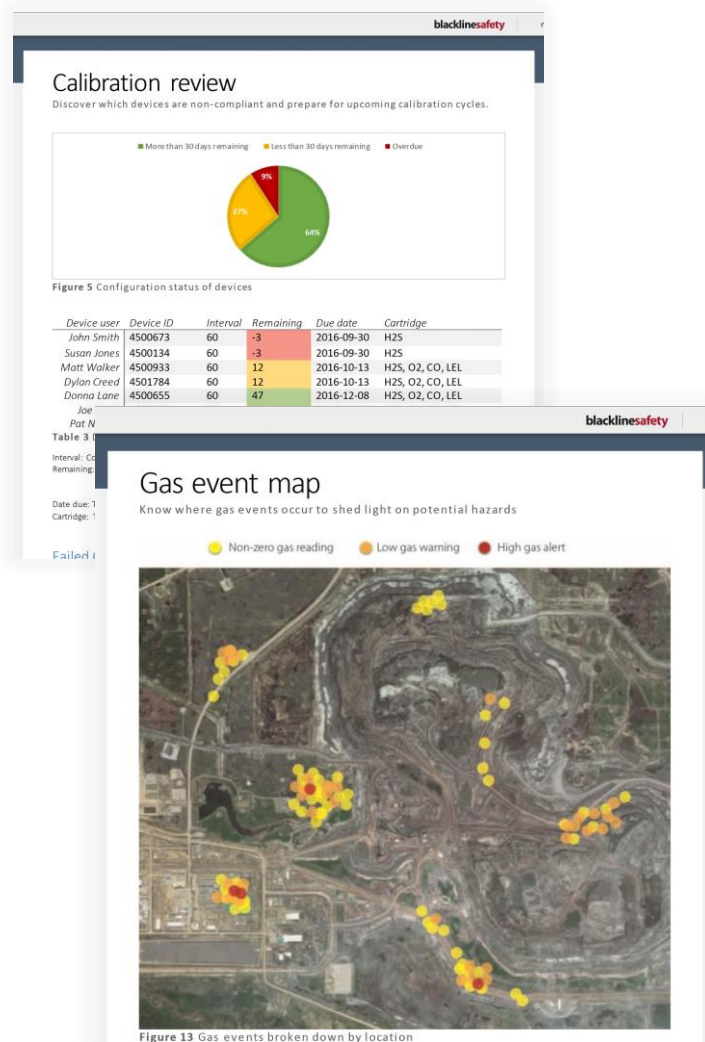- Live connected device, no docks needed.

- Real-time compliance dashboard and reporting

- Calibration and bump test status

- All gas readings communicated

- All gas readings location-tagged

- Preventative maintenance
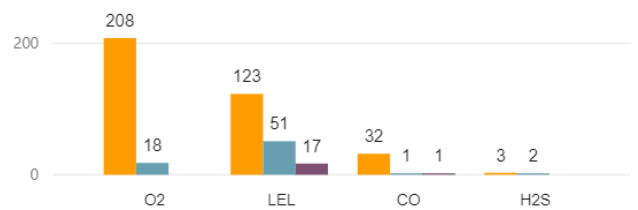
- Improve productivity and costs

PROVIDING BUSINESS INSIGHTS

Where are gas exposures occurring?

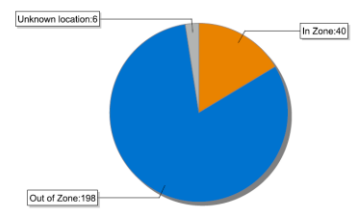**How much time is spent in each area?**

What's the data trend over time?
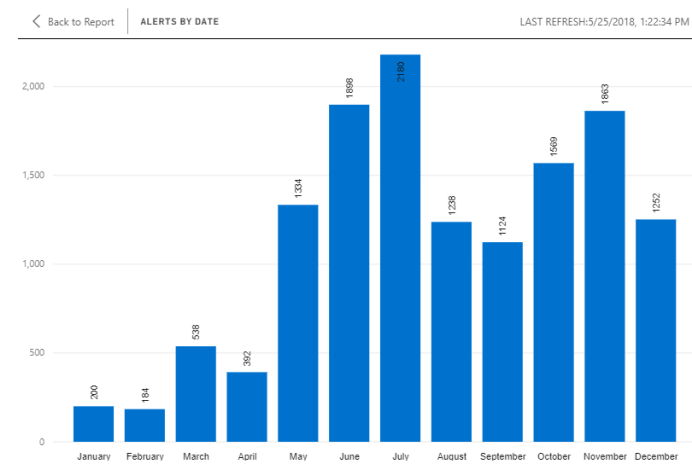
LONE WORKER MONITORING

- Personnel working beyond **sight & sound of others**
- Automatic
  - Fall detection
  - No-motion (man-down) detection
  - Employee check-in
- Manual
  - SOS latch

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PRODUCTIVITY

- Make teams personnel more efficient
    - Coordinate teams for turnarounds and shutdowns
    - No more need to buddy-up and no lost time due to manual checks
- Analytics — map gas leaks to plan maintenance
- Eliminate downtime due to failed sensors
- No more firmware updates detector reconfiguration projects

CONFINED SPACE ENTRY

Multi-gas Pump Cartridge

- Diffusion by default with user-selectable pump modes

Scenarios

- Confined space pre-entry
- Confined space SCBA
- Leak check

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TWO-WAY EMERGENCY COMMUNICATIONS

- Monitoring personnel can speak directly to the employee via G7c

- G7c auto-answers — no employee action required

- Messaging supports evacuation notification and muster awareness.

- All calls/message logs recorded and stored in for incident reporting

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THANK YOU —
QUESTIONS?

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