REAL-TIME SAFETY
LONE WORKER MONITORING, WIRELESS GAS DETECTION & PRODUCTIVITY
WE’VE DONE THIS BEFORE

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Founded BW Technologies

Dr. John Finbow, Blackline board member
Co-founded City Technologies
WHY WE ARE HERE
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

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

With G7

H₂S gas leak
00m 00s

00m 01s
G7 detects H₂S gas, alerts worker

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

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

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

01m 40s
Everyone evacuated

01m 45s
Responders prepare

04m 25s
Worker rescued

02h 00m
Check-in missed

02h 05m
Supervisor concerned

02h 10m
Search begins

03h 30m
Body recovered

Traditional approach
OUR PORTFOLIO
HOW IT WORKS

INCIDENT

- Falls
- Injuries
- Health incidents
- Environmental exposure

G7 DEVICE

- Automatic alerts
  - Gas detected
  - Fall detected
  - Man-down detected
  - Check-in missed
- Manual alerts
  - SOS latch triggered
  - Silent alert triggered

Communication networks

Blackline Safety Network

Blackline Live web interface

24/7 monitoring team

RESPONSE

- 3G & satellite communications (coverage in 200 countries)
- Two-way voice calling and text messaging
- Alert notifications

Supervisors

Local responders dispatched
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
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
PLUG-AND-PLAY CARTRIDGES

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

Multi-gas Diffusion

Single-gas Diffusion

Multi-gas Pump COMING SOON

NEW COMING SOON

H₂S
LEL-IR
LEL-P NEW
O₂-IR

CO
NH₃ NEW
Cl₂ NEW
CO-H NEW

PID NEW
CO₂ NEW
CO+H₂S COMING SOON
SO₂ NEW
WORLD’S FIRST ‘EVERYTHING’ DETECTOR
CAPABILITIES

- Indoor location technology
- Floor and site plans
- Cloud-hosted monitoring portal
- 24/7 live monitoring service
- Data analytics
MORE THAN JUST GAS DETECTION

Is it being used?

Is it compliant?

Added Value: Where is it?

Total Fleet - 26 devices

Compliant (80% - 21 devices)
Action required (20% - 5 devices)
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
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
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
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
THANK YOU — QUESTIONS?