blacklinesafety

EVERY SECOND COUNTS

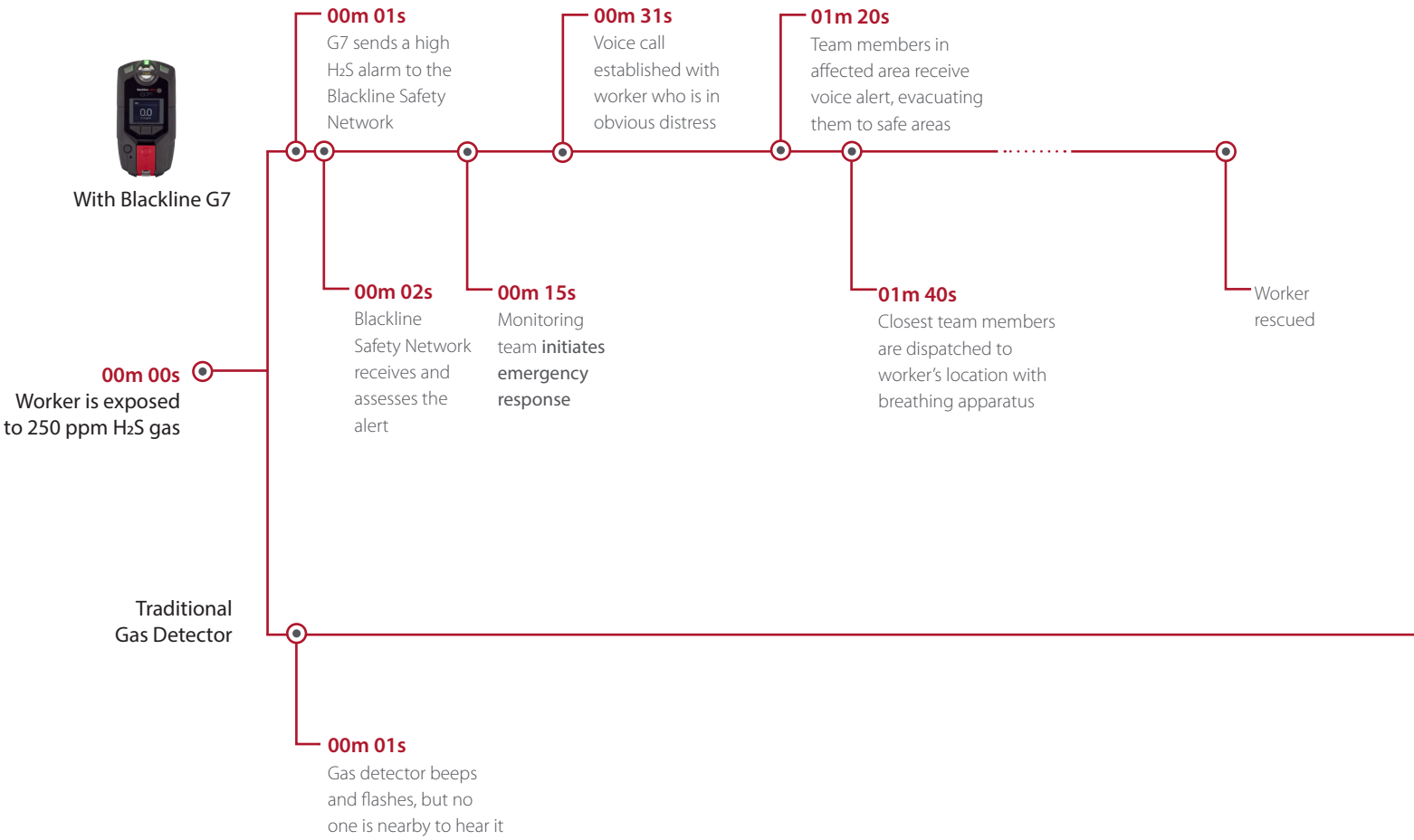
CONNECTED SAFETY SOLUTIONS

WHAT WE DO

Every second counts, and should a gas leak, health event, safety incident or security breach occur, Blackline's connected safety technology means we'll always have your back.

Traditional gas detectors and lone worker safety monitors functioned like smoke detectors, alerting only the wearer and those in earshot of a dangerous environment or incident — potentially leaving your worker alone for hours without help.

Blackline's G7 connected safety system faces this gap in safety head-on. Our solutions customize to accommodate every facet of your safety program — from gas detection and lone worker monitoring to evacuation management and compliance reporting.



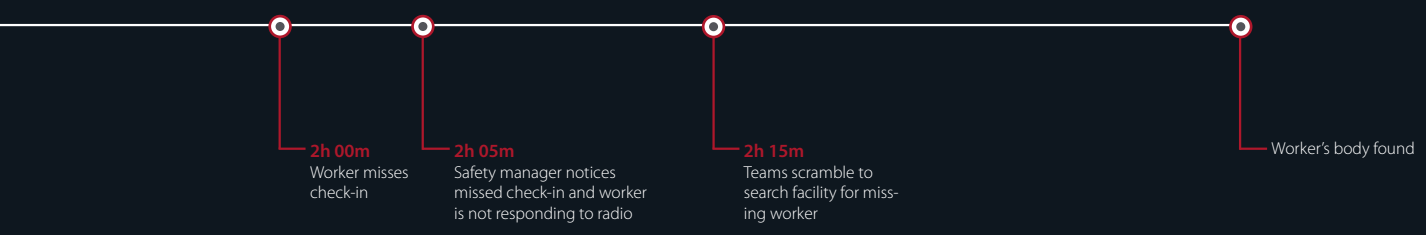
A world-class safety monitoring program requires a world-class vendor.

1.74 seconds Average alert delivery time

139 million Locations reported

26.5 million Total monitored hours

214 million Total messages sent



WE DO IT ALL

SOFTWARE

A cloud-based Blackline Live portal hosted by Amazon web services.

- Wireless device configuration
- Real-time maps
- Fleet management
- Alert management
- Location technology management

G7 GAS DETECTOR

- 3G and satellite connectivity
- Initiate red alerts
- Check-in system, fall detection and no-motion detection
- Gas detection

TRAINING

- Onsite and online device and portal training
- Account and configurations set-up and testing

MONITORING

Blackline Live Safety Operations center offers 24/7 live monitoring services.

- Eases the burden on your team's supervisors
- Made up of highly-skilled and trained professionals
- Alerts managed according to custom response protocols

NETWORK

The Blackline Safety Network connects devices to Blackline Live and allows for seamless communication.

- 3G cellular network (G7c)
- Iridium satellite network (G7x)
- Green SureSafe™ light on your device tells you when you are connected

CUSTOMER CARE

- 24/7 customer support
- Technical support and troubleshooting
- Follows up with and resolves client-provider disputes
- Manages customer product evaluations and accounts
- Order processing, restocking and RMA requests

SO YOU DON'T HAVE TO

Whenever and wherever you need, G7 works out of the box — turn your device on and when the green SureSafe light is solid, you're ready to go.

Monitoring your safety with Amazon

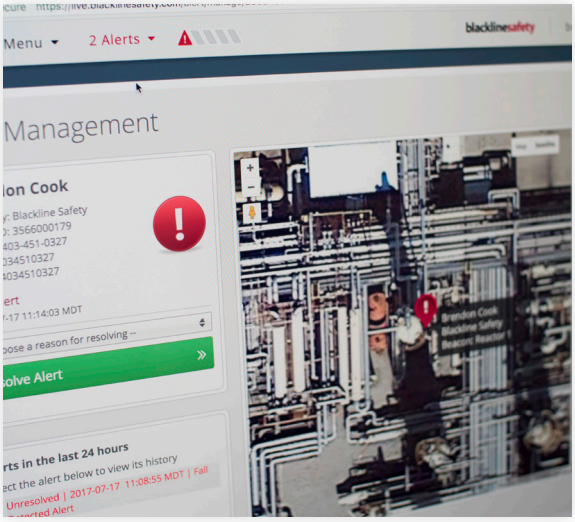
Blackline Live, Blackline's safety monitoring portal, leverages **Amazon Web Services (AWS)** for platform hosting, virtualization and data backup. AWS does the job of storing the data sent from fielded G7 devices and keeping it safe. Amazon has achieved superior compliance and security standards, and provides built-in encryption.

All of our software is **cloud-hosted, meaning it does not require downloading or integration into your IT system**. Software is always up-to-date, with no need to deploy updates or patches. Cloud-hosting means Blackline Live is accessible from any internet-connected device, so you don't need to be on-site to know what's happening with your team.

NO

SOFTWARE TO INSTALL
LOG FILES TO REVIEW
DETECTOR DOWN-TIME
WI-FI NETWORKS
BLUETOOTH PAIRING

BLACKLINE LIVE



"It's quite different from the way traditional gas detectors work. They are normally autonomous and they aren't connected to any back end, so there is no real-time awareness of what's happening with that device"

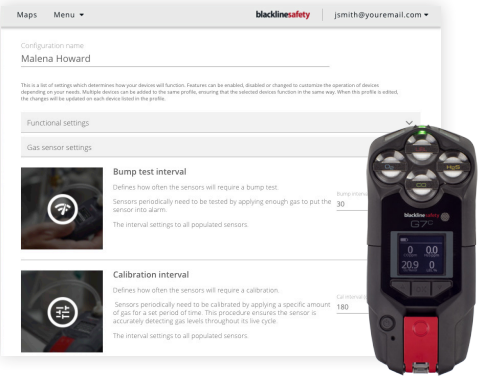
Barry Moore, Vice President Product Development

Blackline Live portal is at the core of all Blackline Safety monitoring and gas detection systems, equipping you with leading alert management tools, dashboard and comprehensive configuration management of fielded devices. Devices are updated wirelessly, over-the-air based on changes made to settings in Blackline Live, ensuring your devices are always up-to-date.

The safety status of every team member is visible at a glance on a live, real-time map. Easily view the type and status of an alert, the moment it happens. Armed with these critical insights, monitoring personnel are always prepared to spring into action.

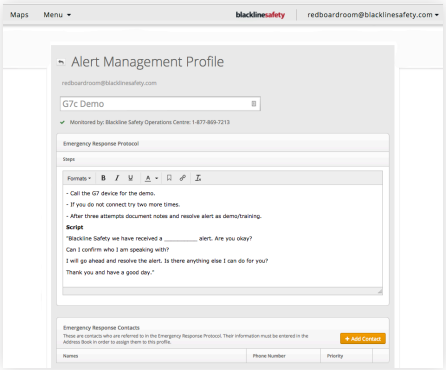
Built for your business

Even the structure of your fleet of devices is customizable to your operations, to ensure everyone has access to the right tools to accommodate their role. Blackline Live allows you to tailor user access depending on employee positions: employee, supervisor, administrator and monitoring personnel.



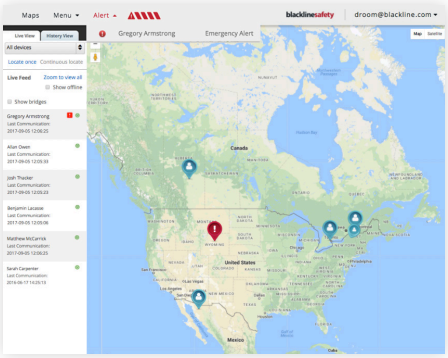
Device configuration

Devices update wirelessly, over-the air, ensuring they always operate how you need them to. Settings determine how your device will function — features can be enabled, disabled or changed to customize device functionality to meet your needs.



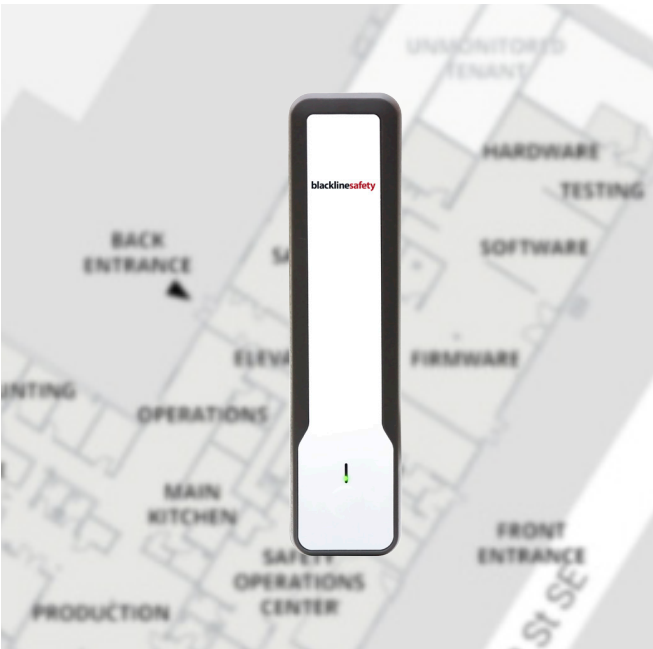
Alert profile

Monitoring personnel manage safety and gas detection alerts in real-time from receipt through to resolution by following your tailored and documented emergency response protocol. Alert profiles determine how and when a device will alert monitoring personnel to an incident.



Real-time maps

Quickly and easily view and assess the safety status of ever team member via their G7 device. Alerts are received and indicated on the map in real-time with the employee's exact location and type of alert in Live View. In History View, access past locations of specific devices or an entire fleet.



Indoor location technology

Our **Location Beacons** are used to augment location transmission where GPS alone may not be sufficient. Beacon position is recorded in context of your custom floor or site plans uploaded into your portal account. The location of Beacons, and those of nearby devices, are displayed on top of the correct floor or site plan on the map in Blackline Live.

When a G7 device comes within proximity of a Beacon, it reports the signal to the Blackline Live as a location update — your employee's location is then mapped at the location of the reported Beacon. Floor and site plans overlay the map in Blackline Live, providing direction for personnel responding to an employee in distress and ensuring valuable time is never wasted searching.

MONITORING SERVICES

99.5%

Alerts responded to in under one minute

Blackline's Safety Operations Center (SOC) provides organizations with expert safety monitoring and support, ensuring superior safety monitoring without sacrificing business productivity. Our SOC focuses exclusively on monitoring the well-being of employees' safety.

Unlike traditional call centers that often split focus between telemarketing and IT support, our SOC is staffed with professionally-trained monitoring agents 365 days a year.

Monitoring personnel manage safety and gas detection alerts in real-time from receipt through to resolution by following your tailored and documented emergency response protocol.

Blackline's Safety Monitoring Center facilitates worry-free monitoring services and support, so employees can take comfort knowing their safety is always covered.

Dual internet connection

Blackline relies on Telus fiber as its primary internet connection. Should this service be interrupted for any reason, we seamlessly transition our connection to either Shaw, Telus 3G or Bell. Mobile Wi-Fi is always available as a backup should all other connections fail, or if the facility needed to be evacuated for any reason.

Multiple personnel, 24/7

Blackline ensures our in-house SOC is always staffed with multiple capable personnel so alerts are responded to quickly and efficiently. As we send more G7 units into the field, we expand our monitoring team accordingly, so superior alert management is always delivered.

Multi-language support

Our monitoring team relies on both in-house personnel and on-call interpreters for multi-language support. Should an alert come in from an individual needing translation, the SOC is empowered to manage their alert and linguistic needs simultaneously.

Fail-safe monitoring

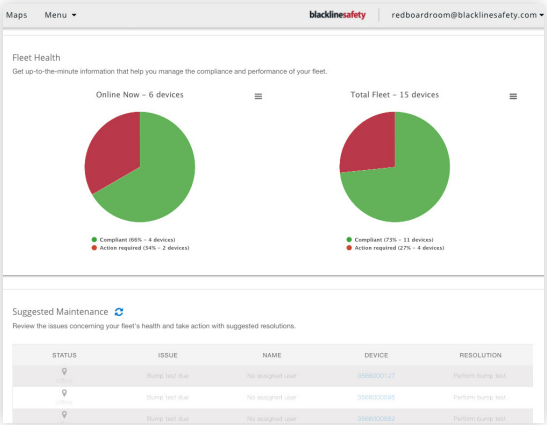
Should power be lost for any reason, Blackline's SOC has a number of backups in place to ensure our monitoring services are never interrupted. Our SOC can turn into a mobile, self-sustained unit in minutes — a mobile Wi-Fi puck and always-ready laptops mean they can connect to the internet from a vehicle on the way to a backup location, managing alerts on the move.

808, 569

Total number of alerts managed

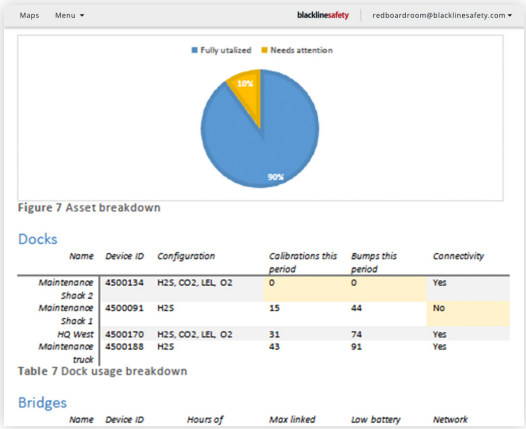
REPORTING

G7 devices continuously stream real-time safety data to Blackline Live for alert management and to store data for reporting. An online dashboard summarizes the real-time safety status of all personnel, G7 equipment use and gas detection compliance. Access the alert and usage history of fielded devices to ensure optimized operations and device fleet usage.



Real-time gas detection compliance dashboard

Bump test and calibration data is automatically sent to Blackline Live for real-time compliance visibility and reporting. Know when calibrations are coming up or take action the moment a device goes out of compliance.



Device alert history and usage reporting

Identify the number and type of alerts by user-device or for an entire fleet, to understand when and where incidents or connectivity interruptions are occurring. Optimize fleet operations by identifying which assets are performing will, and which can be better leveraged.

Device compliance, usage and alert data trends can be leveraged when optimizing fleet operations and reducing safety incidents.

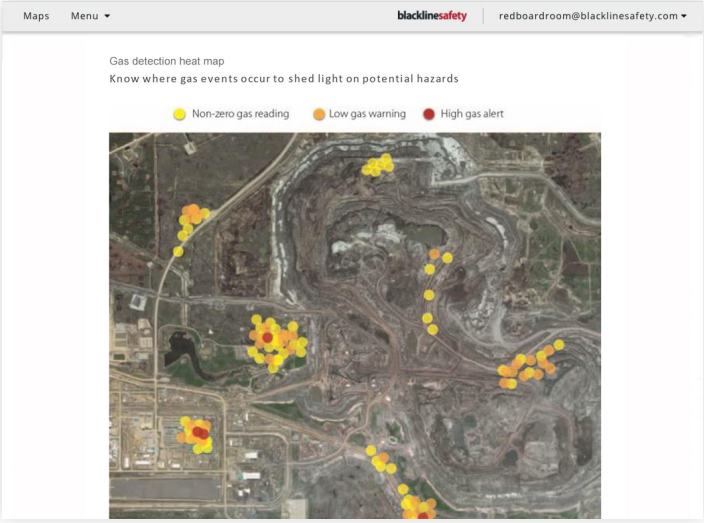
Identify problems, before they become dangerous.

Monitor data trends

Easily access, compile and analyze data from fielded G7 devices — understand where, when and why alerts are coming in and how they are being managed. Usage and alert reports provide insight into how devices are being used, and allow you to drill down to review what has happened and what improvements can be made.

Proactive maintenance

G7 communicates every gas reading to Blackline Live, generating reports featuring a "heat map", highlighting where gas events have occurred to shed light on potential hazards. Know where to investigate and for what, to plan maintenance or operations accordingly — before they become a safety risk or cause unexpected downtime.



G7 Dock

Just add power. G7 Dock is the simple solution to calibrating, bump testing and charging G7 devices — no complicated menus or ports required. Docks arrive ready to perform, needing no initial setup. G7 Dock leverages Blackline Live web portal for device management and to store data for reporting — test data is automatically sent by your G7 device to Blackline Live, used to generate alert and usage reports as well as update your compliance dashboard.

REAL-TIME CONNECTED SAFETY

Work-anywhere location technology

- Easily view the real-time safety and alert status or workers in the field on a live map in Blackline Live
- Pinpoint precise worker location anywhere in the world, even in remote areas

Instant alert transmission

- Monitoring personnel are notified of an alert, the moment it happens
- Critical insights are automatically communicated for optimized emergency responses — where are they? What happened? If gas is present, which kind and how much?
- Supervisors are notified simultaneously via email or text, keeping them aware of what is happening with their team

Automatic configuration and updates

- Configure the functionality of individual or multiple devices wirelessly in Blackline Live from any Internet-connected device — no downloads required
- Firmware updates are automatic and done over-the-air so devices always function as they should

Two-way communications

- In the event of an emergency, instantly connect with monitoring personnel via two-way speakerphone (G7c) or two-way text messaging

Transparent compliance and usage reporting

- Quickly review the compliance status of a single device or entire fleet on a real-time dashboard, and know to take action the moment a device goes out of compliance
- Review usage and alert history reports to see how devices are being used and why alerts are taking place to optimize operations or plan proactive facility maintenance

"Being connected means that someone will always answer your call for help, whenever and wherever you may be"

Phil Benson, Director User Experience

World's first cellular-connected device.

Blackline's **G7c** uses 3G cellular networks to connect workers in the field to live monitoring personnel, around the clock.

We have partnered with an international telecom provider that enables us to deliver 3G/2G communications in over 100 countries, with coverage on over 200 mobile networks. Over-the-air data communicated by a G7 device is protected with encryption.

This work-anywhere cellular connectivity empowers G7c's two-way voice capability.

Work-anywhere satellite connectivity.

Blackline's **G7x** seamlessly transitions from 3G to satellite connectivity when working beyond cellular coverage.

Blackline leverages the Iridium Satellite network, providing complete satellite coverage across the globe "from pole to pole". The Iridium network features the world's largest commercial constellation, with 66 cross-linked low earth orbit (LEO) satellites.

Satellite connectivity allows G7x users to stay connected to real people when working in even the most remote locations.

TRACK RECORD OF EXCELLENCE

2017 PROFIT 500 CANADA'S FASTEST-GROWING COMPANIES

2014 PROFIT 500 CANADA'S FASTEST-GROWING COMPANIES

2016 PROFIT 500 CANADA'S FASTEST-GROWING COMPANIES

OH&S OCCUPATIONAL HEALTH & SAFETY 2013 NEW PRODUCT OF THE YEAR

OH&S OCCUPATIONAL HEALTH & SAFETY 2015 NEW PRODUCT OF THE YEAR

OH&S OCCUPATIONAL HEALTH & SAFETY 2016 NEW PRODUCT OF THE YEAR

OH&S OCCUPATIONAL HEALTH & SAFETY 2017 NEW PRODUCT OF THE YEAR

reddot award 2017
winner industrial design

DEVICES

G7 is the first connected gas detector with integrated cellular connectivity and a two-way speakerphone. G7 delivers complete customization and 24/7 real-time safety monitoring for any application. Devices feature an exclusive modular design with field-replaceable gas sensor cartridges.

G7 was designed from the ground up to address every facet of your safety program, automatically watching over workers and calling for help, even when they can't.

Serving lone working and gas detection needs, G7 devices connect you to monitoring teams using 3G and Iridium satellite connections. G7 confidently informs responders of everyone's well-being and whereabouts in real-time.

Tailor gas detection and lone worker safety to your work environments with three cartridge size options and a range of available sensors — everything is completely configurable.

G7c

- Cellular 3G connectivity
- Industry-first speakerphone for two-way voice communication
- Automatic and manual incident detection
- Simple, automated check-in process
- Customized modular gas detection
- Intrinsically safe

G7x

- Seamless transition to satellite connection beyond 3G coverage
- Leverages G7 Bridge to connect to networks via 900 MHz radio link
- Two-way messaging
- Automatic and manual lone worker incident detection
- Simple, automated check-in process
- Customized modular gas detection
- Intrinsically safe

G7 Bridge

- Seamless transition to satellite connection beyond 3G coverage
- Connect to G7x via 900 MHz radio
- Works up to 2 km away from G7x
- Link up to five G7x devices per one G7 Bridge

We put the pieces together

- 3G connectivity
- Satellite connectivity
- Cloud-hosted portal
- 24/7 live monitoring
- Two-way voice
- Two-way messaging
- Indoor and outdoor location technology
- Evacuation management
- Compliance, alert and usage reporting
- Wireless configuration and updates

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