



Emergency call system for lone workers

Realizes rapid assistance

Emergency call system enables workers to work alone

Surveillance and immediate help in case of an emergency

- Emergency button for manual alerting
- Continuous monitoring: automatic alerting when no movement (man down) or a fall is detected (fall detection).
- Periodic monitoring: an alarm will be triggered when a predetermined period of time elapses without confirmation (Autonom-Lifecheck and Remote-Lifecheck)

DGUV 139

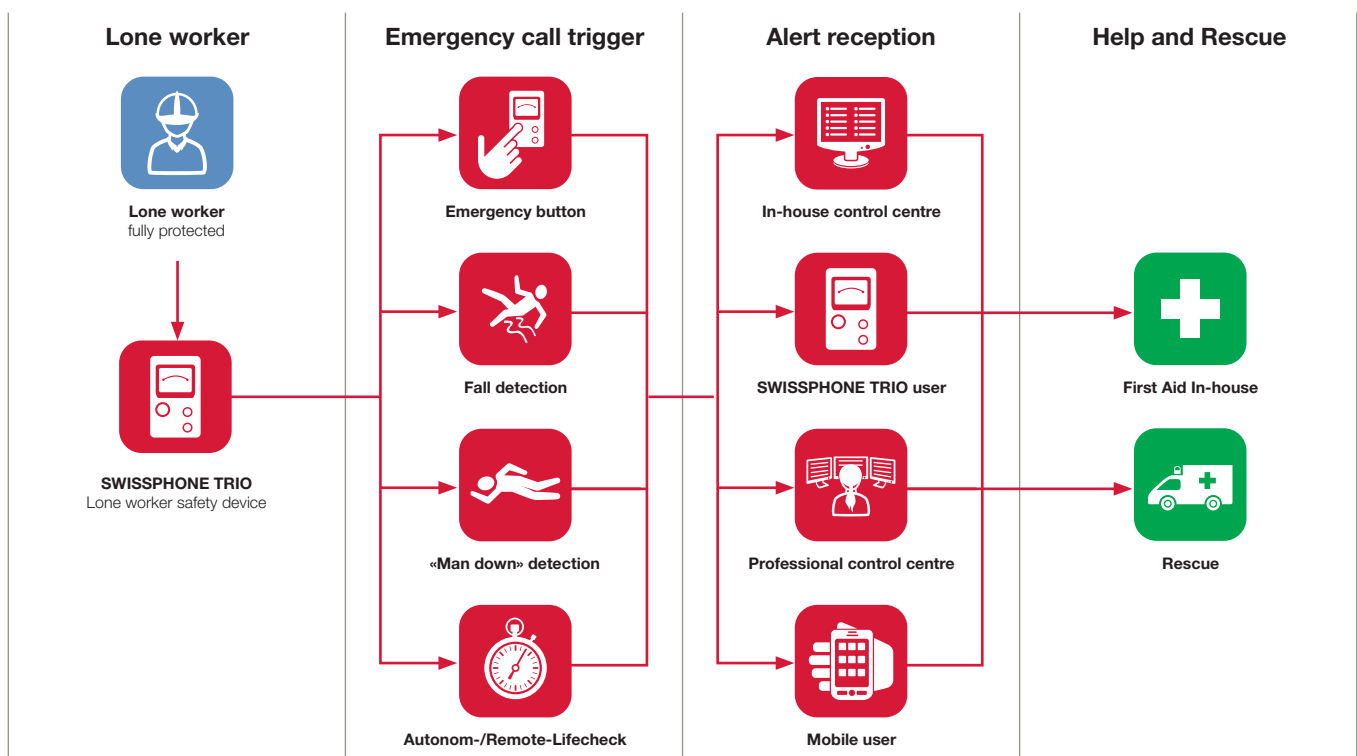
Our emergency call system for lone workers is DGUV 139 (formerly BGR 139) compliant.

Your need:

As an employer you are required by law to ensure lone workers safety. While some dangerous jobs can be performed by a lone person, employers must guarantee rapid response to an emergency. This means that you need a system that monitors lone workers in dangerous places and will automatically and independently call for help in case of an emergency.

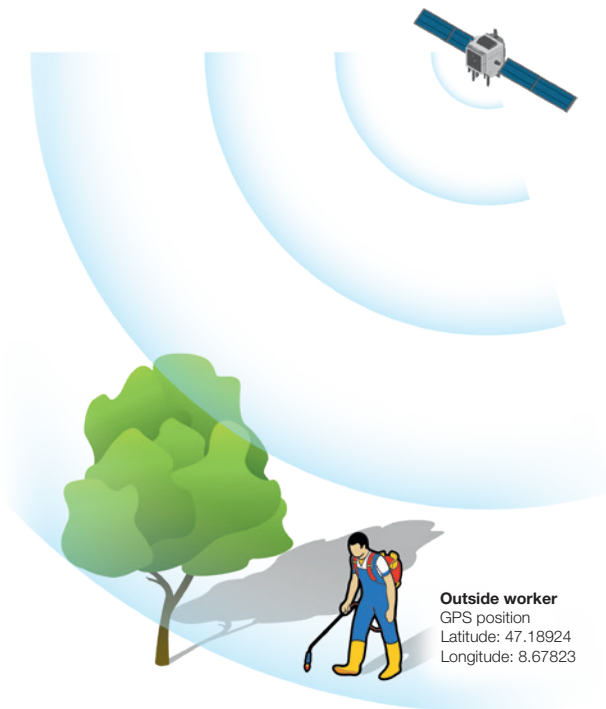
Our Solution:

Swissphone S.O.S is able to detect emergency incidents like a fall or no movement. If an injured lone worker is still capable, he can call for help by pressing the emergency button of his SWISSPHONE TRIO. If its motion sensor detects no movement for a specified period of time or the acceleration sensor detects a fall, it will trigger an alarm. At the same time an audible alarm (siren) from the SWISSPHONE TRIO sounds. By working through a predefined emergency plan, relief measures can be initiated immediately.



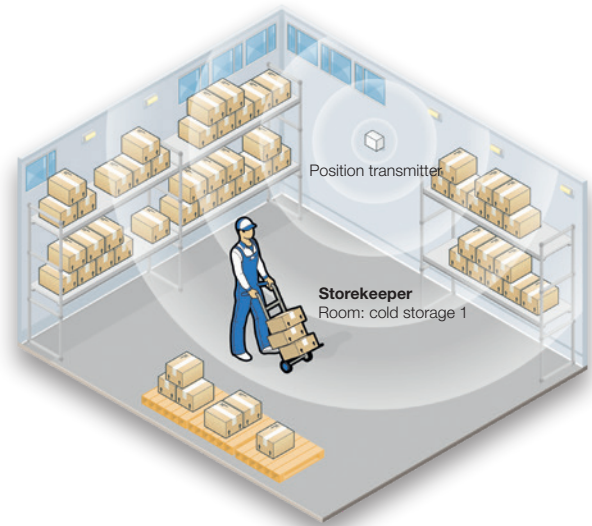
Localisation in- and outdoor

Information about the exact location of an injured person is vital for rapid response. Outdoor localization is managed via GPS. In case there is no GPS signal available, stationary position transmitters take on this function.



Operation principle of position transmitters

Position transmitters can be placed in buildings, tunnels and factories. They transmit their position to the SWISSPHONE TRIO cyclically. In case of an emergency the latest position received from a position transmitter will be sent to the control centre to exactly locate the injured person.



Rapid response

The following options are available to ensure rapid assistance:

- Emergency calls will be processed by a continuously staffed control centre
- In-house security responds to emergency calls
- Co-workers nearby will be notified of the emergency call via SMS or by page



Emergency call transmission via GSM

Emergency calls are transmitted over the GSM network. Repeaters are used to broaden the reception area if necessary. A lone worker can be monitored even in areas where no GSM reception is available. Before the lone worker leaves the GSM covered area, he/she must set a time alarm indicating when he/she will return to a GSM covered area. In order to prevent a false alert in the control centre, the lone worker must be return to an area with GSM reception to deactivate the time alarm by pressing the confirmation button. Otherwise the control centre declares an emergency and initiates rescue measures.

Legal principles

Several organizations and institutions like BSIA, DGUV, BG, SUVA, etc. have created regulations and recommendations for lone worker. A person is considered to be a lone worker, when immediate help cannot be guaranteed in case of an accident or emergency because he/she is out of sight from co-workers. Emergency call systems enable lone workers to work in potentially risky environments.

BSIA = British Security Industry Association
DGUV = German legal accident insurance
BG = Social insurance against occupational accidents
SUVA = Swiss accident insurance institution

Products



SWISSPHONE TRIO lone worker safety device

- Manual emergency button
- Automatic emergency call (fall detection, man-down detection, Autonom-Lifecheck, Remote-Lifecheck)
- False alert prevention: emergency button protection, pre-alert
- Localization (outdoor: GPS, indoor: position transmitter)
- Emergency call transmission via GSM (GPRS/SMS)



SOS.mobile APP

- Easy-to-use emergency application for smartphones
- SOS button
- Man-down detection, Lifecheck



Ecom – Cell phones for hazardous areas (ATEX zone 1 and 2)

- Ruggedized
- IP68 - Dust proof, water proof
- Man down detection: 3 axis accelerometer



SOS-Portal

- Professional emergency system
- Web based (platform independent) emergency call system
- Neither hard-, or software installation or maintenance is required
- Highly redundant safety solution for maximum availability
- Automatic event protocolling
- Continuously staffed control centre (optional)



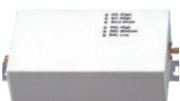
IBT10/20/25 position transmitter (optional)

- Cyclical position transmission
- Paging message transmission (i.e. hazard warning)
- Adjustable transmitting power
- I/O switches
- Power supply with backup battery (IBT10)
- Direct connection via USB (IBT20)
- Message transmission, configuration and remote surveillance via LAN (IBT25)



I.SEARCH alerting server (optional)

- Escalation management
 - Alerting of work fire brigades
- Local paging system
 - Alerting in case of machine failure
- Numerous interfaces
 - IT monitoring
- Expandability:
 - Watchdogs



GSM-Repeater (optional)

- Enlarging GSM coverage
- Frequency bands: GSM900 / GSM1800 / UMTS
- Simple installation



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