SWISSPHONE

Certified SOS emergency call system for lone worker

For quick and targeted help in an emergency – a sign of appreciation.

Reliable emergency call solution – protected at all times, ready for use anywhere

Every lone worker deserves maximum protection – regardless of location or network availability.
Whether in the industrial location, in a remote storage room or on a construction site: In an emergency, help must be provided quickly. Swissphone offers a powerful solution for maximum security.

Your needs

Working alone harbours particular risks, which is why companies are obliged to provide suitable protective measures. A reliable emergency solution ensures that employees receive help immediately in dangerous situations – whether through automatic alarm triggering or manual emergency call systems. Effective security solutions must not only comply with legal requirements, but also be economical, user-friendly and data protection-compliant. At the same time, complete documentation is required in order to be able to prove compliance with the regulations.
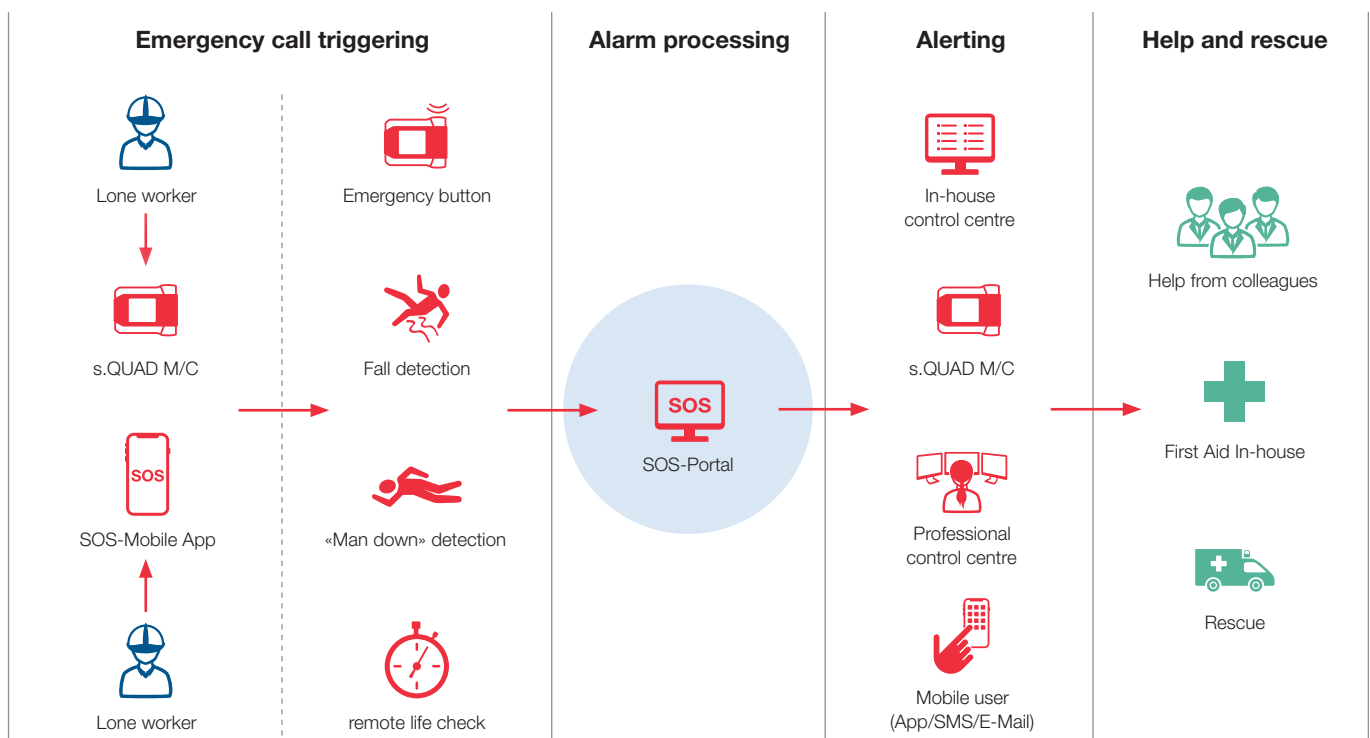
With a well thought-out security strategy, you not only ensure the legally compliant monitoring of lone workers, but also create a working environment in which your employees are protected and optimally looked after.

Our solutions

The emergency call solution from Swissphone reliably protects lone workers: An integrated motion sensor detects critical situations such as falls or prolonged immobility and automatically triggers an alarm. If the person is still able to act, they can activate the emergency call manually using the emergency call button. An acoustic signal makes it quick and easy to locate the lone worker.

The web-based SOS portal displays predefined emergency plans and notifies the emergency services in a targeted manner. This ensures rapid assistance and minimisesrisks by informing the right people immediately who can therefore respond promptly. With the intelligent SOS solution, you minimizes risks, ensure rapid alerting and maximise the safety of your lone workers.

The alarm process of the Swissphone SOS solution

Emergency call triggering	Alarm processing	Alerting	Help and rescue
Lone worker		In-house control centre	
s.QUAD M/C		s.QUAD M/C	Help from colleagues
SOS-Mobile App	SOS-Portal	Professional control centre	First Aid In-house
Lone worker		Mobile user (App/SMS/E-Mail)	Rescue
Emergency button			
Fall detection			
«Man down» detection			
remote life check			

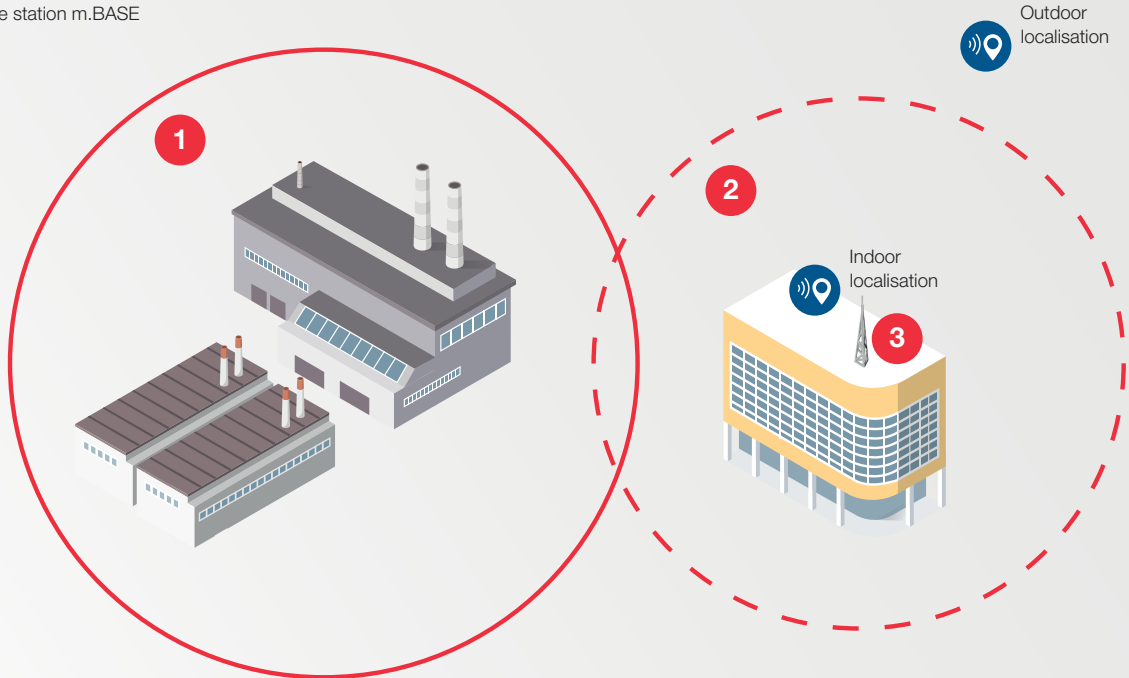**Monitoring and immediate assistance in an emergency:**

- Emergency button for manually triggering an alarm
- Permanent: Automatic triggering of the alarm if no movement (man down detection) or a fall (fall detection) is detected.
- Localisation of the accident site both inside a building as well as outdoors.
- Periodic monitoring: An alarm is triggered if the worker does not send a confirmation within a specified period of time (remote life check or autonomous life check).

Comprehensive protection with mioty®

1 Area covered by mobile network for use with s.QUAD C55

2 Area covered by mioty radio network for use with s.QUAD M55

3 mioty® Base station m.BASE

Outdoor localisation

Indoor localisation

The advantages of the SWISSPHONE solution

Flexible and modular in use

The Swissphone SOS solution is modular, flexible and adapts quickly to individual requirements. It is scalable, cost-efficient and easy to adapt to changing conditions.
Customise emergency call handling flexibly to suit your needs:
- A control centre receives your emergency calls and processes them immediately.
- Your company's own on-call service responds immediately to incoming emergency calls.
- Employees in the vicinity are alerted of the emergency via text messages SMS, push, paging or voice call.

Precise localisation in buildings

The SOS position transmitters (BLE beacon) are the perfect addition for localisation in buildings, tunnels or factories. Clear signals are sent out at regular intervals received by the SOS mobile app or the s.QUAD C55/M55 pager. In an emergency, these forward the position ID to the SOS portal. By comparing them with building plans, they enable exact, spatially precise localisation and targeted rescue of the person involved in the accident.

Precise location determination for outdoor emergencies

Precise localisation is crucial for a quick rescue. All Swissphone emergency call devices are equipped with GPS technology so that the exact location can be communicated at any time, even outdoors, in the event of an emergency call.

Protection even if there is no mobile phone connection

With mioty® communication technology, you can ensure gapless data transmission on your company premises, independent of mobile phone networks. Particularly in areas with weak or no mobile phone connections, mioty® enables you to set up a large-scale local wireless network. One or more base stations reliably cover even difficult zones such as basements, industrial facilities or extensive building areas.

Advantages of the mioty® lone worker protection at a glance:
- High range and penetration
- Cost efficiency
- Reliability and high fault tolerance
- Future-proof and scalable
- Particularly energy-efficient

Legal basis
Certified after Britischer Standard BS8484:2016 for lone workers. Swissphone offers reliable solutions that meet the legal requirements and guarantee rapid protection.

Components

SOS portal – professional emergency system
- Web-based (platformindependent) emergency call system
- No hardware/software installation necessary
- No maintenance required by the user
- Highly redundant cloud-based security solution
- Redundancy for maximum availability
- Automatic logging of events for complete traceability
- Optional local functions
- Permanently manned rescue control centre (optional)

SOS mobile app
- Easy-to-use emergency app for smartphones
- SOS button
- Man down detection, life check
- For iOS and Android

Robust smartphones from iSafe and Pepperl+Fuchs (ATEX Zone 1 and 2)
- Designed for high loads
- Dust and waterproof
- Dedicated red SOS button
- Selected smartphones are certified in accordance with the DIN VDE V 0825 standard

Personal emergency signalling device s.QUAD M55 and C55
- Dependent on will Emergency call function – Emergency call button
- Independent emergency call functions
  – Case detection
- Dead man's detection
  – Remote life check
- Excellent reception characteristics (even with an active mobile phone connection)
- Positioning
  – Outdoor: GPS
  – Indoor: Bluetooth iBeacon
- Extremely robust, dustproof and waterproof
- Alarm volume >95 dB(A) at 30 cm
- Update the configuration and firmware via mobile radio
- Available with green or black housing
- s.QUAD M55 for use in mioty radio network. s.QUAD C55 for use in mobile radio network with eSIM.

m.BASE with m.CENTER
- Communication infrastructure for m.BUTTON
- mioty® base station to LAN
- Optional: mobile radio LTE/4G

m.BUTTON
- Mobile emergency button for silent alarm
- Vibration function for alarm confirmation
- In-house localisation with SOS beacon
- System feedback in case of alarm

SOS beacon for localisation within a building
- Precise localisation in buildings
- Cost-effective and scalable as required
- Various versions available
- Long battery life

I.SEARCH alarm server (optional)
Local paging system:
- Alerting personnel at the site and the plant fire brigade
- Alarm in the event of a machine failure
- Monitoring the IT infrastructure