

Certified SOS emergency call system for lone workers

For fast and targeted help in an emergency –
show your 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 an industrial hall, a remote storage room or on a construction site: in an emergency, help must be provided quickly. Swissphone offers a powerful solution for maximum safety.

Your requirements

Working alone carries particular risks, which is why companies are obliged to implement appropriate protective measures. A reliable emergency solution ensures that employees receive immediate assistance in dangerous situations – whether through manual or automatic alarm triggering.

Effective security solutions must not only comply with legal requirements, but also be economical, user-friendly and compliant with data protection regulations. At the same time, complete documentation is required in order to be able to prove compliance with regulations.

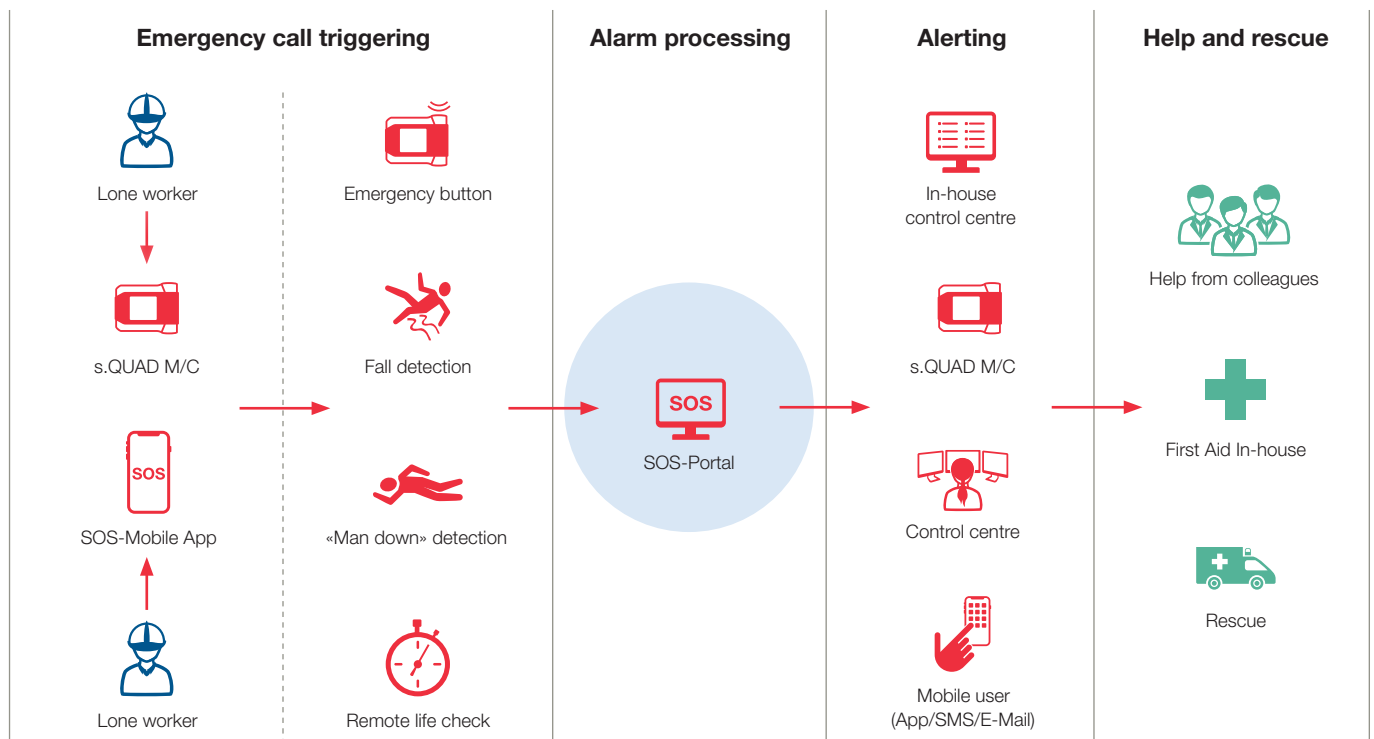
With a well-thought-out safety strategy, you not only ensure that lone workers are monitored in accordance with legal requirements, but also create a working environment in which your employees are protected and optimally cared for.

Our solutions

Swissphone's emergency call solution provides reliable protection for 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, an emergency call can be sent manually. An acoustic signal facilitates and speeds up the localization of the lone worker.

The web-based SOS portal displays predefined emergency plans and notifies the appropriate emergency services. This ensures rapid assistance and minimises risks, providing maximum safety for your lone workers.

The alarm process of the Swissphone SOS solution



Localisation and immediate assistance in an emergency:

- Emergency button for manually triggering an alarm
- Permanent monitoring for automatic alarm triggering in case of immobility (man down detection) or falls (fall detection)
- Localisation of the accident site both inside a building as well as outdoors.
- Time alarm: An alarm is triggered if the employee does not send confirmation within a specified period of time (remote lifecheck)

Comprehensive coverage with mioty®

- 1 Area covered by mobile network for use with s.QUAD C55
- 2 Area covered by mioty® wireless network for use with s.QUAD M55
- 3 mioty® base station m.BASE
- 4 Beacon



The advantages of the SWISSPHONE solution

Flexible and modular application

The Swissphone SOS solution is modular, scalable, cost-effective and adaptable to individual requirements. Flexibly tailor emergency call handling to your needs:

- A reception centre (control centre) staffed around the clock receives your emergency calls and processes them.
- Your company's own on-call service responds immediately to incoming emergency calls.
- Employees who are nearby are alerted via text message, push notification, pager or voice call.

Precise localisation in buildings

The SOS position transmitters (BLE beacons) are the perfect addition to localisation in buildings, tunnels or factories. The position ID is transmitted at regular intervals and received by the SOS mobile app or the s.QUAD C55/M55 pagers. In an emergency, the data is automatically transmitted to the SOS portal – for fast, precise and reliable location in an emergency. By utilising building plans, they enable exact, room-specific localisation and targeted rescue of the accident victim.

Precise location determination in outdoor emergencies

Precise localisation is crucial for a quick rescue. In order to be able to communicate the exact location at any time in the event of an emergency call, even outdoors, all Swissphone emergency devices are equipped with GPS technology.

Protection even if there is no mobile phone connection

With mioty® communication technology, you can ensure seamless data transmission on your company premises, independent of mobile networks. Mioty® enables the establishment of a large-scale local radio network, particularly in areas with weak or no mobile phone reception. One or more base stations reliably cover even difficult areas such as basements, industrial facilities or extensive building complexes.

Advantages of mioty® lone worker protection at a glance:

- High reach and penetration
- Reliability and high fault tolerance
- Future-proof and scalable
- High energy efficiency

Legal Requirements and Compliance in Lone Worker Protection

Lone worker protection in every country is based on national legal regulations which the employer must strictly adhere to. Substantial penalties are imposed for non-compliance. It is mandatory to check your national requirements! The legal basis in a selection of countries are listed below for reference.

BE Belgium – Code du bien-être au travail Art. II.1-3 and Royal Decree of March 28, 2014. Our solutions meet the requirements for **Risk Management**.

DK Denmark – Arbejdsmiljøloven (Working Environment Act) § 15 and § 16. Our solutions meet the requirements for **Risk Assessment (APV)**.

NL Netherlands – Arboret Art. 3, 5 and Arbobesluit Art. 3.4. Our solutions meet the requirements for **Risk Inventory & Evaluation (RI&E)**.

UK United Kingdom – Health and Safety at Work etc. Act 1974 (HSWA) and Management of H&S at Work Regulations 1999. Our solutions meet the requirements for **Risk Assessment**.

Components

SOS-Portal – certified personal emergency signal system

- The web-based emergency call system does not require any local installation and runs in any web browser.
- Highly available, cloud-based security solution with redundant architecture
- Automatic event logging for complete traceability
- Targeted alerting of personnel in accordance with the stored alert plan
- Optional: 24/7 manned control centre for maximum security



SOS mobile app

- Intuitive emergency app with particularly simple and safe operation
- Immediate assistance via emergency call button enables rapid alerting in an emergency
- Automatic position transmission for precise and rapid localisation
- Real-time feedback and clear status display for reliable alarm verification



Robust smartphones from iSafe and Pepperl+Fuchs (ATEX Zone 1 and 2)

- Extremely robust design – developed for use under the highest loads
- ATEX-certified variants for safe operation in potentially explosive atmospheres
- Protection class IP68 – dust-proof and permanently protected against water
- Fast and direct alerting in an emergency

Personal emergency signal device s.QUAD C55 / M55

- Manual emergency call function
 - Emergency call button
- Automatic emergency call functions
 - Fall detection
 - Dead man's switch
 - Remote lifecheck
- Excellent Reception Features (even with active mobile connection)
- Positioning
 - Outdoor: GPS
 - Indoor: Bluetooth iBeacon
- Extremely robust, dustproof and waterproof
- Alarm volume >95 dB(A) at 30 cm
- Update configuration and firmware via mobile network
- s.QUAD M55 for use in mioty® radio network.
- s.QUAD C55 for use in mobile network with eSIM.



m.BASE with m.CENTER

- Mioty® base station for reliable alarm transmission
- Central management unit (m.CENTER) for easy integration into existing systems and solutions
- Very good indoor and outdoor coverage; high building penetration with one or more base stations



SOS-Beacon for the Localisation within a building

- Precise localisation in buildings
- Cost-effective and freely scalable
- Various designs available
- Long battery life



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