\Orchestrating a brighter world

NEC

Lone Worker Solution

Employees that need to work as individuals in risky or remote locations, deserve utmost protection and all the means to timely call for help in hazardous situations. NEC's Lone Worker solution ensures these employees of the highest degree of safety and security.

NEC ensures the highest degree of safety and security by protecting such lone workers with advanced solutions for effective mobile communications and messaging at the moment and place of need.

The NEC Lone Worker Solution is certified by the German DGUV Test to comply according to DIN VDE 0825-1 and AfPS GS 2014:01 PAK norms. The certification is registered with certificate no. ET 18038.

DGUV Test
Prüf- und Zertifizierungssystem der
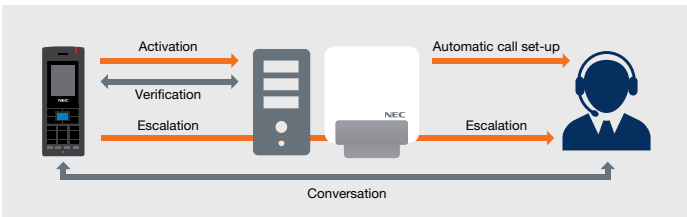Deutschen Gesetzlichen Unfallversicherung

Man Down or No Movement

When getting into a dangerous situation, an NEC IP DECT user can raise an alarm by simply pressing the SOS button or pulling the pull cord on the I766 handset. Besides the alarms that can be raised by the user, there are also alarms generated autonomously by external causes like Man Down or No Movement.

Both the user and the autonomous alarms are reported to a central alarm panel, so that the person monitoring the panel can arrange immediate and appropriate help to the person in need. This alarm panel is the point where all personal safety information comes together.

Lone Worker key features

> Check-in process of employees into the Lone Worker solution ensures handset and monitoring operation
> After check-in lone workers are informed about the monitoring and attendance state of the alarm panel
> The I766 handset provides manually as well as automatically operated alarm tools (SOS, pull-cord, man down, no movement and a loud handset alarm signal)
> Lone workers are monitored on a central alarm panel, showing status and location enabling to provide immediate aid
> Automatic notification of I766 low-battery and out-of-coverage. Handset cannot be switched off in lone-worker mode
> Server PSU failure leads to a technical alarm on the alarm panel
> Lone-worker mode renewal after 24 hours
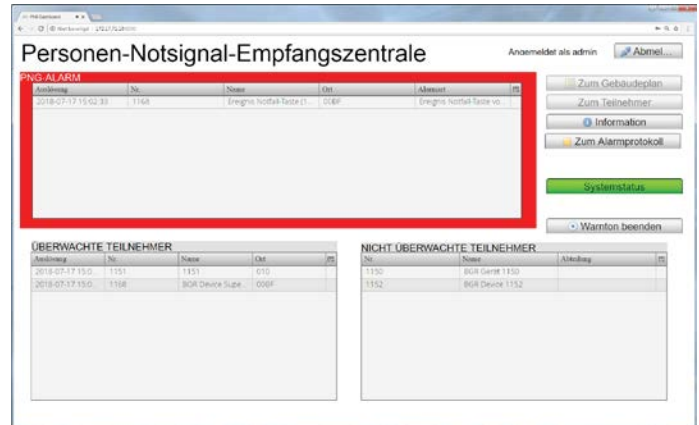> NEC's proven DECT technology

Alarm panel for central monitoring

It gives an overview of all registered lone workers and their state. Any user alarm raised is signaled immediately (both visually and acoustically), while the location of the user is made visible as well.

Besides user alarms, the alarm panel also shows malfunctioning of system components critical to monitoring the lone workers. This could be a power supply of a server or a lost connection with a handset.

If the person keeping an eye on the alarm panel closes the panel, a message is sent to all lone workers informing them that they are no longer being monitored.

I766 DECT handset

The alarm panel shows 1 handset in Lone Worker mode (Überwachte Teilnehmer) and 2 handsets in regular mode. The frame highlighted in red shows the alarm details and location.

Before a handset is allowed to enter lone worker mode, all alarm functions of the handset have to be checked. In this way, the user is ensured that his handset is working properly and is monitored by the alarm panel user. In lone-worker mode, the handset cannot be switched off in the normal way, thus avoiding accidently disabling personal safety features.

The NEC Lone Worker solution complies to DIN VDE 0825-1 and is based on NEC IP DECT infrastructure, NEC I766 DECT (Personen Notsignal Gerät – Sprache (PNG-S)) handsets and the MobiCall alarm server (Personen-Notsignal-Empfangszentrale (PNEZ)).

NEC Lone Worker Solution

Handset	NEC I766 DECT Handset with optional DECT Locator Accessory (DLA)
Mobility	NEC IP DECT 6.41 and AP400 DECT Access Points
Alarm server	MobiCall 8.2
Location Detection (optional)	LF Beacon 5-ALC010210
Interoperability	Any certified voice system for IP DECT

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