

CoronaTracer - Technology for infection protection at the workplace

In the current situation, companies must implement measures to protect against infection, such as the government's SARS-CoV-2 occupational safety standards. Not only for a short period of time, but over months - until vaccinations are possible on a broad basis. But how can companies ensure the isolation of contact persons of Covid-19 infected persons?

A question of data security

In public life, contact-tracing-apps are available for smartphones. Apps can be helpful because the identity of the person concerned does not have to be recorded. However, companies must take measures to ensure the health of their employees, and at a certain point this requires the processing of suspected cases and cases of infection by name, which must and can be carried out in compliance with data protection regulations. App-based solutions, however, require the employer to issue smartphones or employees need to install the app on private mobile phones. Yet, it is generally not possible to implement an obligation to install and use company apps on private smartphones.

Anonymous contact tracking

CoronaTracers* are small devices that employees wear in addition to their employee badges. For example, if employee ID cards are normally worn on the neck, it is easy to see whether employees have their CoronaTracers with them. CoronaTracers do not store the names of the employee. Approaches with other tracers below two meters are stored anonymously. The assignment to the employees is only stored at a recognized place of trust, e.g. the HR department. In case of a Covid-19 infection, the HR department can check the contacts of the corresponding CoronaTracer for the last two weeks and identify all contact persons. CoronaTracers meet the highest requirements for data protection and privacy.

Technology for the Corona period

CoronaTracers do not need to be charged. They contain an integrated battery and are optimized to use little energy. This leads to a life span of at least six months at typical working hours. As a result, there is no need to install charging stations. CoronaTracers are robust and require no maintenance and if infection protection is required for longer, new CoronaTracers can be used. The old units are taken back and recycled.



* Produced by SafeDrivePod International B.V.

Fast response thanks to integration with INFORM systems

CoronaTracers can be operated as a stand-alone device or integrated with INFORM systems. There, infection protection measures can also be implemented, e.g. the ordering and tracking of quarantine measures for contact persons. In INFORM's WorkforcePlus system, restrictions in staff assignment can also be recorded, e.g. for employees who have to look after their children. The system supports rescheduling by means of planning assistants and intelligent algorithms and enables the mapping of payroll parameters, e.g. in the context of short-time work and loss of earnings due to child-care and has interfaces to common payroll accounting systems.

Frequently Asked Questions (FAQ)

How much does the CoronaTracer cost?

The prices for the CoronaTracer vary as follows, depending on quantity:

Units per order	Unit price
0-2000	€ 25,00
2000-3500	€ 24,25
3500-5000	€ 23,50
5000-10000	€ 23,00
10000-25000	€ 22,50
>50000	€ 22,00

How are the data of a CoronaTracer read out?

The checks are carried out via an app that is installed on a smartphone or tablet. These scan the QR code printed on the back of the CoronaTracer and then connect to the CoronaTracer to read the contacts with other CoronaTracers of the last two weeks.

What do I do if a CoronaTracer is damaged?

The employee is given a new CoronaTracer, which is then stored with its device ID, for example, in the HR department.

Does the CoronaTracer also record private contacts after work?

No. CoronaTracers contain a motion sensor. If a CoronaTracer is stored, it detects this, switches to sleep mode and does not record any further data. This protects privacy, even if employees take the devices home.

What if an employee has met someone privately who has been tested positive for Covid-19?

The CoronaTracer cannot detect such contacts. The CoronaTracer is optimized for maximum privacy protection. For employees who may have been infected via private contacts, companies depend on employees reporting to the company or company doctor out of self-interest. The CoronaTracer was developed to record contacts at the workplace in the sense of infection protection. It cannot and should not guarantee a complete tracing of infection chains; this is the responsibility of other offers, e.g. the app solutions discussed in the public space.

How does the CoronaTracer recognize how long an employee was in contact with their colleague?

The CoronaTracer scans its surroundings every 10 seconds and then records the surrounding CoronaTracers. If two employees are in contact for a longer period at a distance of less than 2m, the signal of their CoronaTracers is recorded frequently in 10-second intervals. The data checks from the CoronaTracer represent the number of contacts with other devices in 10-second intervals. In case of infection, the HR department can contact employees in the order of their contact duration, i.e. with maximum efficiency against preventing the further spread.

Contact: If you wish to contact us, you can reach us at coronatracer@inform-software.com.