EARLY DETECTION SYSTEM FOR INFECTIONS

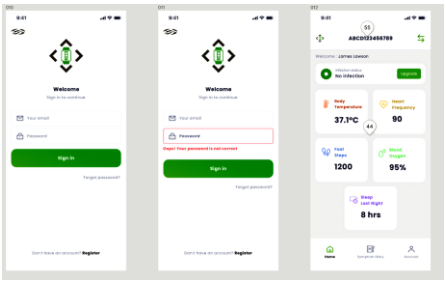
PROTECT.WATCH

The PROTECT.WATCH system can indicate infections shortly after a person is affected -- even before they notice anything themselves or become contagious. When the body successfully fights and repels an infection it also shows up in the results.

THE SYSTEM:

- Fitness tracker with specific high-sensitivity temperature measurement

- App (for iOS and Android)



- Secure server for data collection and analysis

Adaptive algorithms analyze the data collected and recognize the body's immune response. The individual characteristics of each user are taken into account, with body temperature and sleep rhythm being particularly important indicators.

THE ADVANTAGE OF PROTECT.WATCH OVER PCR OR RAPID TESTS

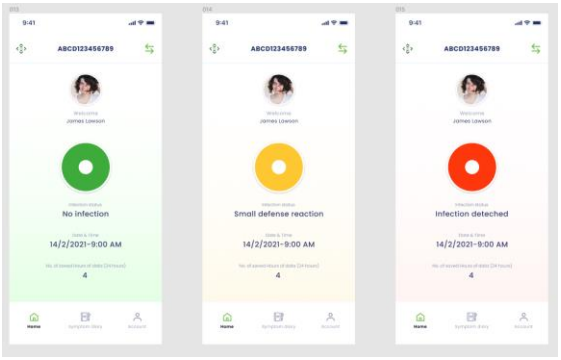
⇨ **Experience during the Covid-19 Pandemic**

Compared to PCR or rapid tests, PROTECT.WATCH is able to bridge the time gap in which infected persons (in the early stages of an infection) don't show positive test results yet. All tests currently available on the market require a high virus load to start showing reliable results.

THE PROTECT.WATCH SYSTEM CAN HELP TO DETECT INFECTIONS EARLY. IT IS AN EFFECTIVE TOOL TO PREVENT WAVES OF INFECTIONS AND EPIDEMICS.

THE INFECTION "TRAFFIC LIGHT" SYSTEM

The results of the early detection system are represented by "traffic light" icons. If users see a "Yellow" or "Red" light icon on their screen, they can reduce person-to-person contacts to avoid infecting others. This way, infection chains can effectively be broken long before tests show results.



NFC Chip

The PROTECT.WATCH is equipped with an NFC chip to identify users. This can be used as an entrance control tool to protect elderly and child care facilities, schools, event venues, and other at-risk populations. This way, the only people allowed access are those who do not pose a health risk, and therefore cannot infect others. Other applications include a time & date stamp and a mobile payment function.

BLE Transmitter – for transmitting data via Bluetooth to gateways or mobile devices. Additionally, messages (e.g. push notifications) can be sent to the smartwatch, or the user's location can be determined via gateways (advertisement beacon function).

Accelerometer – integrated sensors detect dangerous situations like a person falling or a lack of motion. Combined with the sensors for measuring vital functions, emergency services can be alerted of abnormal behavior.

Test Groups and Results

Several pilot projects with over 200 test participants have been conducted by SEIWO Technik since mid 2020.

Within these groups, PROTECT.WATCH successfully detected the following:

- ⇨ 4 COVID-19 infections (detected up to 11 days before symptoms)
- ⇨ 1 gastrointestinal infection
- ⇨ Over two dozen cases of influenza and/or severe cold
- ⇨ Vaccine defense reactions (both with and without noticeable side effects)
- ⇨ 1 case of shingles
- ⇨ Gout flare-ups

Scientific Studies

Several studies on early detection of infections through measuring vital functions of the body have been conducted by:

- ⇨ **Mt. Sinai Hospital / Hasso Plattner Institut, New York** (Warrior Watch Study)
- ⇨ **Robert Koch Institut, Germany**
- ⇨ **Stanford University, California**

Please contact us for further information and links.

INFECTIONS CAN USUALLY BE DETECTED WITHIN 1-2 DAYS BY MONITORING THE BODY'S IMMUNE RESPONSE.

SEIWOTECHNIK
Contact PROTECT.WATCH:
Thomas Krause
Tel.: +49 151 70045434
Mail: thomas.krause@seiwo.de

SEIWO Technik GmbH | August-Bebel-Str. 24 M
09430 Drebach OT Scharfenstein | www.seiwo.de
Geschäftsführer: Dr. Jan Wabst
Amtsgericht Chemnitz HRB 1255
USt-IdNr.: DE 141294806
St.-Nr.: 228/118/00264

PROTECT.WATCH