Date: April 7th, 2020

Proposal Government-Tool
Anti-Corona Application System
Android & iOS

We Track Infections - Not People

Overview Services

- IT Turn-Key Solution for Governments to fight against spread of corona virus.
- Adaption & implementation of the application system in different language versions & English (translations need to be provided by client).
- Special adaptions based on requirements of the government.
- Adaption- & implementation timeframe: 5 - 7 days excluding government-registration at Google & Apple.
- Backend & hosted in Austria.
- Ongoing development, service & maintenance for three months. After three months renegotiation of technical- & service costs on request.
- No License Fee – we open-sourced our Bluetooth- & data code! Our system is the most advanced in terms of data protection & privacy rights!
- Special for free: Global Media Campaign during launching process.

NOVID20 - Government-App to fight spread of corona virus

The application was developed by:
- ➢ **the Austrian NGO NOVID20 in cooperation with the Austrian software company**
- ➢ **Dolphin Technologies (IT Security Management System ISO 27001),**
- ➢ **and is now available pro bono & license-free for governments worldwide by Rocket Media Communications™ - only adaptation and operation costs are being charged.**

The NOVID20 App works with:
- ➢ **state-of-the-art technology, including Bluetooth for highest accuracy.**
- ➢ **with the strictest data protection guidelines and on a completely anonymous basis**
- ➢ **the system pays particular attention to privacy and data protection in accordance with European law.**

We Track Infections - Not People.

Until recently, governments had to rely on the memory of infected persons to identify people at risk of infection. To be able to inform possibly infected contacts immediately, it is crucial to know the movements of those diagnosed with COVID-19 during the critical periods of incubation.

The NOVID20 app enables users to know if they have been in contact with someone diagnosed with COVID-19. Bluetooth, GPS, and other technologies are being used to determine which smartphones have been in close proximity to each other, which the system recognizes as a "contact." When two devices meet, they store each other's ID and the date, time, and location of that interaction. If a user tests positive, the system warns all their "contacts" that they are at risk of contracting and spreading the virus. Governmental guidelines are then provided, according to each user's location.

The NOVID20 app creates anonymous IDs for every user and stores all data locally on the phone using strong encryption. The users have full control over their data - deciding if, when, and which information they want to release. Furthermore, users can voluntarily donate their data to support scientific analysis and improve governmental decision- making.

This turn key solution was developed for governments who are granted a free license; only adaptation and operation costs are being charged. The system pays particular attention to privacy and data protection in accordance with European law.

NOVID20 App currently used by:
- – The Ministry of Labour, Health & Social Affairs of the Republic of Georgia: available for iOS and Android under the name "STOP COVID". Android: https://play.google.com/store/apps/details?id=gov.georgia.novid20 Apple: https://apps.apple.com/us/app/stop-covid/id1507435357?ls=1

Press:
- – https://www.multivu.com/players/uk/8710251-monitoring-app-novid20-launched-in-georgia/
- – https://www-wallstreet--online-de.cdn.ampproject.org/c/s/www.wallstreet-online.de/_amp/nachricht/12375079-new-innovative-monitoring-app-stop-covid-by-austrian-ngo-novid20-launched-georgia

Links:
- – https://www.novid20.org/en
- – schematic explanatory film: https://youtu.be/vZcyTWQuGbo

The NOVID20 App provides all necessary data and identifies critical contacts to prevent people from spreading the virus. It also enables more precise quarantine regulations.

Main facts of the NOVID20 Application against COVID-19:

- IT turn key solution in fighting the spread of corona virus.
- Anonymous and encrypted tracking and tracing to inform people at risk of spreading the virus unknowingly, thus breaking down the infection chain.
- Communication tool for exchanging information between governments and residents.
- Enables more precise quarantine regulations.
- Highly effective to shorten the crisis and flatten the curve.

1. APPROACH

The great danger with COVID-19 is the long incubation period and the fact that many infected people do not show symptoms. This makes them unknowingly carriers of the disease. In our approach, we therefore pay special attention to people who are especially exposed to social interactions, including doctors and nurses, teachers, postal workers and delivery staff, police officers, taxi drivers and ride-sharing staff, as well as people who work in retail. Furthermore, the elderly are the main risk group. Our solution is therefore optimized for these two groups in particular.

2. CONCEPT

Our goal is to inform people who have had contact with another infected person at an early stage and thus prevent them from unknowingly spreading the virus further. Our solution approach is based on the high penetration of smartphones in our society, which are used as sensors to track & trace the movement of people and their social interactions. We have paid particular attention to privacy and data protection and have ensured that neither positions, phone numbers, nor other personal data will ever be transmitted.

3. TECHNOLOGY

Our solution is based on a smartphone app that can determine social interactions and their duration. Interactions that have a certain intensity in terms of time and proximity are stored locally by both apps in an encrypted form. If someone tests positive for a contagious disease like COVID-19, people who may have had contact with the infected person within the last few days will receive a warning with instructions to move into quarantine and contact the local governmental authorities.

3.1. SMARTPHONE APPLICATION

We use Bluetooth and other technologies to determine which smartphones have been in close proximity to each other. The frequency of sending and receiving is designed to conserve the smartphone's battery as much as possible. When two devices meet, they store each other's ID and the date, time & location of that interaction. All data is stored locally in an encrypted form on the device.

- ## Onboarding Screens (example Georgia)

- ## Main Screens (example Georgia)

Dashboard - Alert   13m

Dashboard No Alert   13m

Dashboard switched off   13m

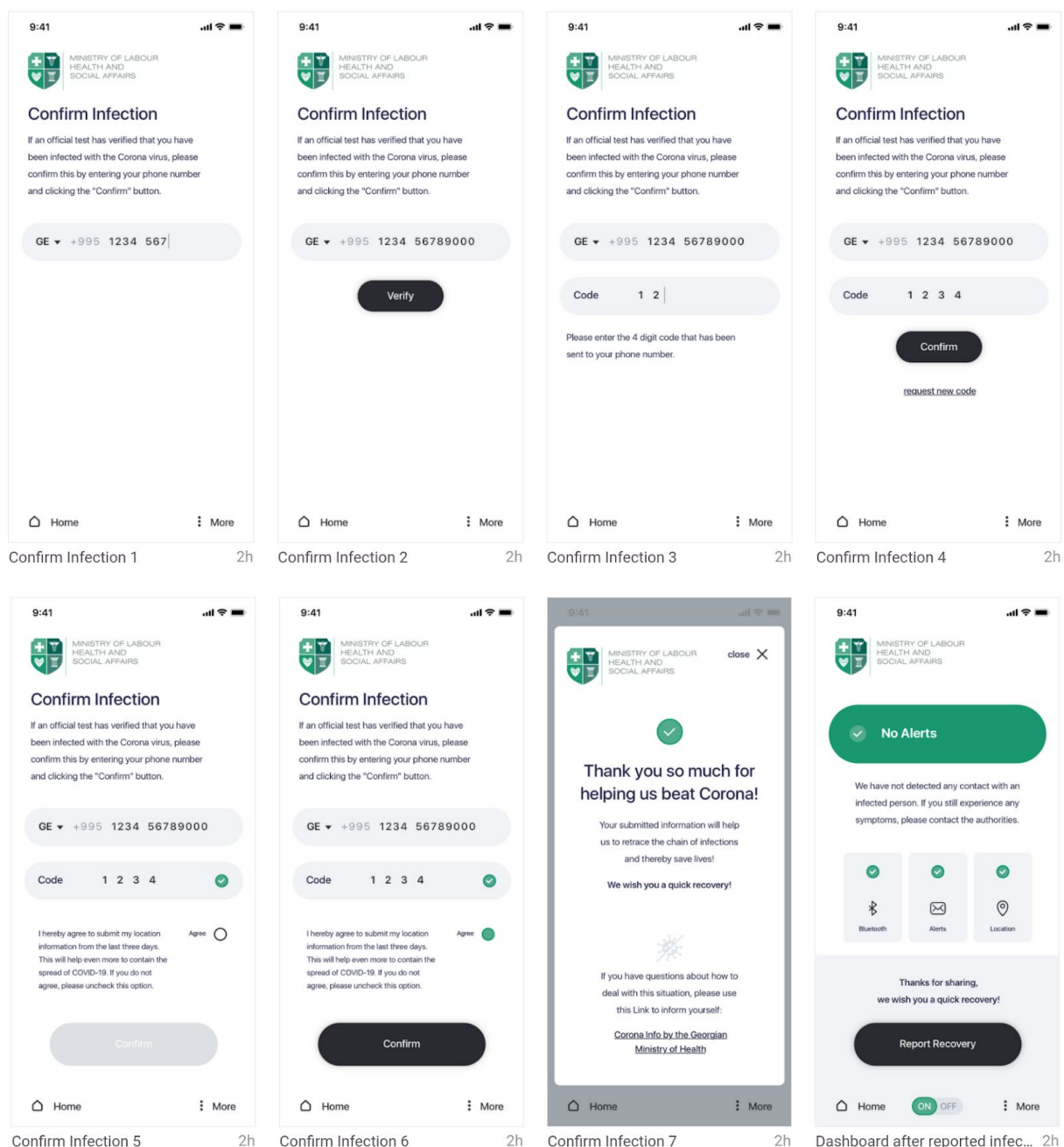Dashboard Connectivity Pro...   13m

3.2. BACKEND

If a user tests positive for a contagious disease, e.g. COVID-19, he can pro-actively release his data, which is then transferred to our backend and stored there. Each data point contains the following information:

■ personal User-ID
■ User-IDs of the other devices
■ Date, Time & Location

This data is then enriched with a transaction ID and the infected user is marked as such. Afterwards, those User-IDs are filtered that had contact with the infected user within the defined incubation period and marked as "at risk".

- **Report Screens (example Georgia)**

| Confirm Infection 1 | 2h | Confirm Infection 2 | 2h | Confirm Infection 3 | 2h | Confirm Infection 4 | 2h |

| Confirm Infection 5 | 2h | Confirm Infection 6 | 2h | Confirm Infection 7 | 2h | Dashboard after reported infec... | 2h |

4. COLLABORATION

We can provide our technology (a) as a ready programmed app or (b) as SDK. It is also possible to run the application (a) on our backend or (b) to be hosted externally.

5. DESCRIPTION of NOVID20 Application in Georgia, named „STOP COVID"

The Stop Covid App alerts you if you have been in close contact with someone suffering from COVID-19. If you are infected yourself, you can help to anonymously warn people you recently had contact with.

How the Stop Covid app works:
Your Stop Covid app anonymously records contacts with another user if you spend a significant amount of time in close proximity to each other (more than 10 minutes). The information of this interaction is encrypted and stored exclusively on your phone.

Get alerts when you are at risk:
If a person you have been in close contact with during the last 5 days reports a COVID-19 infection, you will be informed immediately via the app. Afterwards you are requested to contact the authorities immediately.

Reporting a positive COVID-19 test:
If you have been infected with COVID-19 yourself, click on "Report Infection" on the main screen of the app. Follow the instructions to transfer your anonymous contacts of the last 5 days to the Ministry of Health. During the transmission you can decide if you also want to share the positions of these contact points with us. After verification, the Ministry will notify these people via the app. In this way, you are actively contributing to interrupting the chain of infection of the Coronavirus!

If you have any questions or notice symptoms that indicate an infection with the Corona Virus, please contact us immediately:
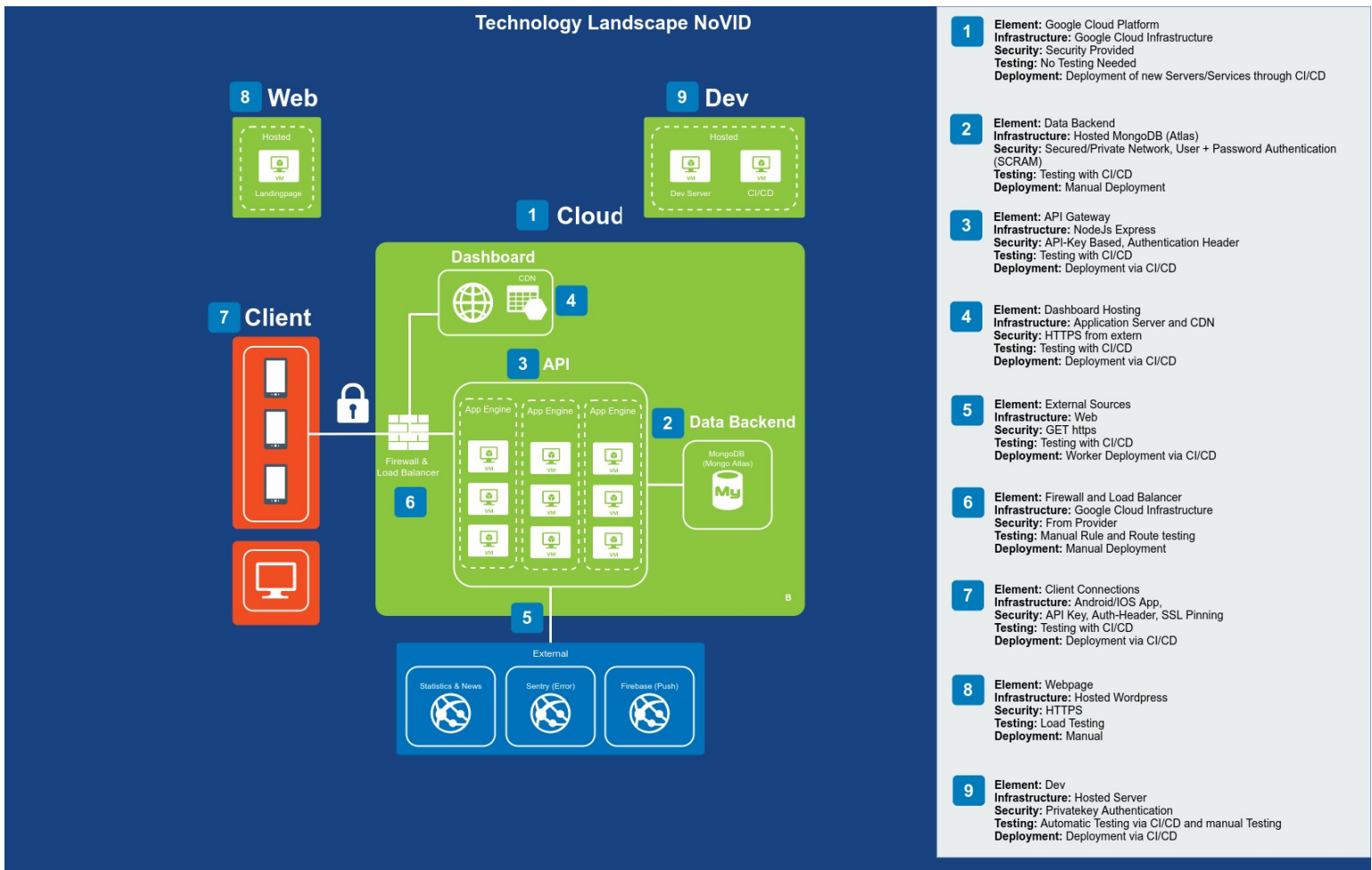Ministry of Health Georgia: 15 05
NCDC Georgia: 116 001

Global Multi-News-Release of Novid20 launch in Georgia including Web-Clip:
English – German – Spanish – Portuguese – Russian – Arabic - French
https://www.multivu.com/players/uk/8710251-monitoring-app-novid20-launched-in-georgia/

6. Technology Landscape NOVID20 Application:

7. Contact Details:

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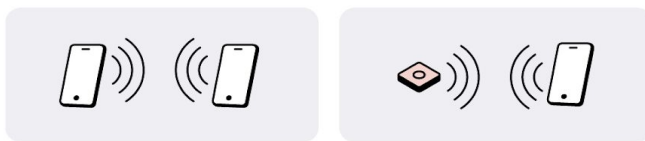Dolphin Technologies Austria
www.dolphin.io

Corona App, Beacon Concept

1. Objective

The elderly are the highest risk group for COVID-19 disease, but many elderly people don't have a smartphone. The challenge, therefore, is how to inform these people early on if they have come in contact with an infected person.
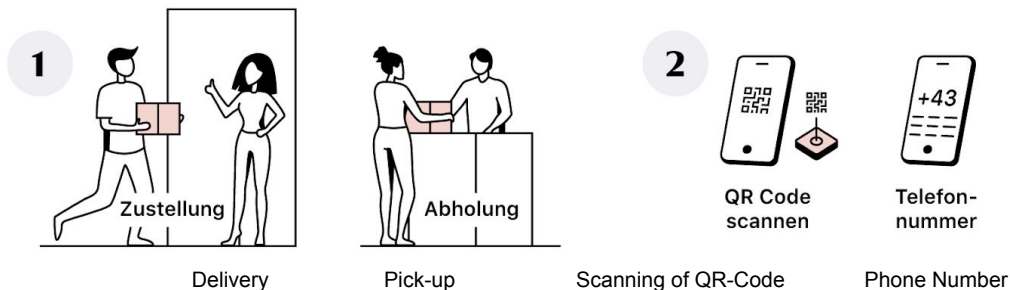
2. Technology

A Bluetooth beacon in the form of a key fob in the participant's possession anonymously sends out its encrypted user ID. Smartphones with the Corona App installed can interpret and store these signals at close range.

3. Logistics

All people receive information via various communication channels to either install the Corona app on their smartphone or to pick up a beacon (e.g. from their post office or local supplier). When a person picks up her beacon, our logistics app scans the beacon's serial number (QR code) while the person also enters her telephone number, thus linking the device to the phone number.

| Delivery | Pick-up | Scanning of QR-Code | Phone Number |

4. Alerting

If a user of the Corona App reports an infection via his smartphone, anyone who came in close proximity to him during his contagious period is warned. Users of the Corona App receive the warning directly on their smartphone. Users of the Beacon receive an SMS or a call on the phone number they have specified. In a further expansion stage, it will also be possible to warn people who have been in close proximity to Beacon users.

| Beacon user receives warning | Beacon user infected | Medical staff scans beacon |