



# Skolkovo Projects

## Anti-COVID-19 Solutions

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Considering the uncertainty in the world caused by Covid-19 outbreak, the **Skolkovo Foundation** is presenting high-tech solutions aimed at:

- Supporting business operations in the new reality;
- Tackling the novel virus and public health risks caused by its spread;
- Enabling distance education, work and online leisure during isolation.

The goal is to bring together startups with the relevant technologies and potential partners looking for innovative solutions in today's reality.

## Skolkovo Foundation is:

- Non-profit organization founded in 2010 by the Russian Government;
- Vibrant ecosystem of tech innovation, science and entrepreneurship;
- Innovation Center with more than 2000 high-tech startups;
- Four clusters specializing in Information, Energy-efficient, Biomedical, Industrial and Space Technologies.



# SOLUTION FOCUS AREAS

## Healthcare

Technologies and solutions to tackle the virus directly

- |                                    | Slides |
|------------------------------------|--------|
| • Tests for viruses and infections | 4-8    |
| • Development of medications       | 9-12   |
| • Wearable technologies            | 13     |
| • Assistive technologies           | 14     |
| • Disinfection                     | 15-18  |

## Business

Ensuring business-as-usual in the new environment

- |                      | Slides |
|----------------------|--------|
| • Cloud technologies | 19-21  |
| • Remote work        | 22-24  |
| • Data security      | 25-27  |
| • Robotics           | 28-29  |
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| • VR technologies    | 31-32  |
| • Digital twins      | 33     |

## Social

Education and leisure solutions

- |                        | Slides   |
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| • Distance learning    | 34-41    |
| • Online entertainment | 35,40-41 |
| • Family Tech          | 34,37-39 |



## Anti-COVID-19 Solution

Rapid test for coronavirus disease. The diagnostic system allows using standard equipment with high accuracy (more than 99%) to detect the presence of the virus within half an hour.



## Company Background

Sigma Laboratories is a research and production company whose task is to develop, prototype and mass-produce medical devices in liquid form based on biopolymers. In June 2019, Sigma Lab successfully passed the audit of the Certification Center and received a certificate of compliance with the international standard ISO 13485-2017 in relation to medical devices.

### Website

- [www.sigmallab.pro](http://www.sigmallab.pro)

### Technology Readiness Level

- Ready for implementation

### Sector

- Testing, Bio Medicine

## Anti-COVID-19 Solution

AI services to simplify testing for COVID-19. The first is an automatic blood test - its software can help sort patient analyzes according to inflammatory reaction and identify people without signs of viral infection out of those who are being tested. The second is x-rays, pneumonia signs search - it takes 30 seconds to detect automatically pneumofibrosis, pulmonary pattern pathology and disease complications symptoms: fluid in pleural cavity, infiltration, dark patch center, lung root expansion. The solutions increase diagnosis accuracy in those regions where there is a lack of qualified medical staff and specialized test systems.



**THIRD  
OPINION**

## Company Background

Third Opinion is an intelligent monitoring system for increased patient safety – a robotic doctor and laboratory assistant that can examine an image online and move patients with life-threatening state. Third Opinion facilitates doctors' work by 60%. It uses smart video monitoring that observes the process and artificial intelligence technologies that detect important events.

### Website

- <https://thirdopinion.ai/>

### Technology Readiness Level

- Ready for implementation

### Sector

- Testing, IT

## Anti-COVID-19 Solution

Rapid and affordable test (test strip) for quick (5-10 minutes) diagnosis of coronavirus using a drop of blood. The test will be effective from 3-4 days after infection, often until the main symptoms appear.



## Company Background

A Russia-based company that develops the first of its kind rapid test for risk assessment of ischemic Stroke/TIA for patients with pre existing conditions. DRD has two patents owned, three patent applications being developed and five patents for biomarkers under the license agreements with CIS Biotech, Inc. (US), Grace Laboratories, LLC. (US). DRD product was recognized by Rospatent as one of 100 best Russian inventions of 2018.

### Website

- [www.drdbiotech.ru](http://www.drdbiotech.ru)

### Technology Readiness Level

- The test strip is under development; it is expected that the test will become available for massive use by July 2020

### Sector

- Testing, Bio Medicine

## Anti-COVID-19 Solution

Diagnosis of pneumonia according to x-ray data, using artificial intelligence algorithms.

## Company Background

A Russian software platform based on AI, helping radiologists and oncologists to analyze and diagnose images of CT, digital X-Rays and mammography studies with less costs and higher accuracy. The platform shows the accuracy of 94% in malignant neoplasms detection and 99% in pneumonia detection which is one of the best world results. Four regional successful pilot projects were implemented in Russia and currently Botkin.AI products are being tested and commercially used internationally.



## Website

- [www.botkin.ai/en/](https://www.botkin.ai/en/)

## Technology Readiness Level

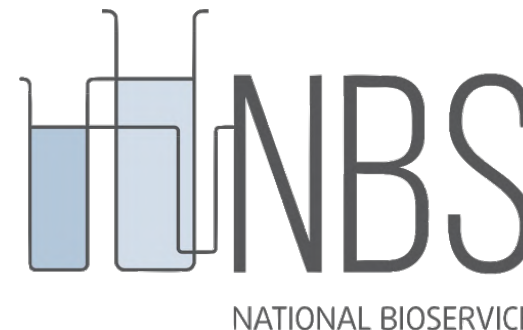
- Successfully implemented pilot projects

## Sector

- Testing, Bio Medicine

## Anti-COVID-19 Solution

The company can provide healthy samples for research and work with biomaterials of patients that have been infected with the new coronavirus and recovered after. The company does not have its own biomaterials of patients with coronavirus, but there is a large library of other nosologies, which may be useful for testing cross-reactivity of test systems with other diseases.



## Company Background

A national biobanking and bioservice platform for search of biomarkers, preclinical in vitro research and development of digital biomedicine. The company is the only Russian developer and manufacturer of tissue microarrays and has a ongoing cooperation with more than 90 medical and research centers in Russia. An official partner of the ISBER - a global biobanking organization which creates opportunities for networking, education, and innovations and harmonizes approaches to evolving challenges in biological and environmental repositories.

### Website

- [www.nbioservice.com/en/](http://www.nbioservice.com/en/)

### Technology Readiness Level

- Support in conducting relevant accelerated investigation of the novel virus is required

### Sector

- Testing, Bio Medicine

## Anti-COVID-19 Solution

Triazavirin has been found to have antiviral activity against a number of viruses including avian and swine influenza infections. Currently, a potential use of the drug in the fight against the new coronavirus is being investigated.



## Company Background

The company developed a broad-spectrum antiviral drug “Triazavirin” as a treatment for pandemic influenza strains. It has a novel triazolotriazine core, which represents a new structural class of non-nucleoside antiviral drugs. 15 drugs have been developed on the basis of Triazavirin that are effective against West Nile fever, tick-borne encephalitis and hemorrhagic fever. An ongoing partnership with Emory University (USA), one of the world's leading research universities that is closely monitoring the COVID-19 pandemic, for an in-depth study of the Triazavirin’s mechanisms.

### Website

- [www.urbiomed.ru](http://www.urbiomed.ru)

### Technology Readiness Level

- Triazavirin is available in pharmacies, but its effectiveness against the coronavirus has not been yet proven

### Sector

- Development of Medications, Bio Medicine

## Anti-COVID-19 Solution

Potential 2019-nCoV 3C-like protease inhibitors designed using generative chemistry approaches.



## Company Background

Insilico Medicine, a US-based artificial intelligence company specializing in drug discovery, biomarker development and aging research. In 2018 Insilico Taiwan was launched - a subsidiary focusing on the development and validation of generative adversarial networks (GANs) and reinforcement learning for medicinal chemistry applications. Over 150 academic and industry collaborators worldwide. The company has over 85 scientists hired through hackathons and competitions worldwide in the US, UK, Poland, Belgium, South Korea, Taiwan, Africa and Russia.

### Website

- [www.insilico.com](http://www.insilico.com)

### Technology Readiness Level

- Ready for implementation

### Sector

- Development of Medications, Bio Medicine

## Anti-COVID-19 Solution

A solution that helps to automate the processes of clinical trials, and users manage and monitor its progress online. The company provides a free access to their platform for sponsors, conducting clinical trials of drugs against coronavirus.



Data MATRIX

## Company Background

Data MATRIX team has been working with clinical data since 2009. They process data, analyse it and develop documents to be accepted by the Russian Ministry of Health, FDA and EMA. The team has conducted 180 projects for pharmaceutical and biotech companies and CROs. With Data MATRIX products, 6 out of 10 TOP Big Pharma companies reduced their R&D costs by 15%. The company has offices in USA, Germany, and Russia.

### Website

- [www.dm-matrix.com](http://www.dm-matrix.com)

### Technology Readiness Level

- Ready for implementation

### Sector

- Development of Medications, Bio Medicine

## Anti-COVID-19 Solution

Gero, the leader in AI-driven drug discovery, has reviewed the existing drugs and other agents tested on humans and found potential coronavirus treatments. The list of found drugs has been released at their website to initiate urgent clinical trials and collaborations.



## Company Background

Gero is a Singapore-based company with R&D in Russia that aims to discover new drugs targeting complex diseases using the next-generation artificial intelligence platform. Gero has managed to overcome limitations of the previous-generation AI by offering not just a correlation analysis of biological big data, but causative models built with the use of physics of complex dynamic systems in addition to advanced machine learning. In 2019, Gero was named one of the most prominent players of the Artificial Intelligence in the Life Extension Market along with Google and IBM.

### Website

- [www.gero.ai](http://www.gero.ai)

### Technology Readiness Level

- Ready for implementation

### Sector

- Development of Medications, Bio Medicine

## Anti-COVID-19 Solution

QRepublic develops cloud storage systems for medical data and produces non-electronic intelligent medical identifiers such as QRepublic Lifeband, QRepublic Card ID and QRepublic Sticker. QRepublic medical IDs provide medical and contact information about a person from a personal cloud profile in an emergency situation, such as hospitalization. During the COVID-19 epidemic and forced isolation of the older people in many countries, solution can be used for high-risk groups of population such as people over 60 years old and patients with chronic diseases.



## Company Background

QRepublic is represented in multiple countries with its projects: retail in the US and Canada (50k users), medical tourism and ski vacation in Europe, International Travel ID project in Kyrgyz Republic and regional projects in Russia. The company has offices in Moscow, Strasbourg, and New York City. QRepublic's personal safety solutions like smart medical, travel and active lifestyle IDs support 24 languages, have GDPR-friendly information translations system and multiple business and corporate functions. The company partners with senior homes, social services, charitable foundations, clinics, insurance companies, travel agencies and telemedicine services.

### Website

- <https://company.qrepublik.com/>

### Technology Readiness Level

- Ready for implementation

### Sector

- Wearable Devices, Bio Medicine

## Anti-COVID-19 Solution

Charly is a speech recognition device for deaf and deafblind people. Charly recognize speech and translates it into text. Deaf and deaf-blind people can easily read this text from a monitor, a smartphone or a tablet. Charly has just received an update which allows to create a special link to live streaming of the results of text recognition. Any user can open this website and read the recognized text. This feature can help teachers, doctors, social workers and employers to communicate with deaf and deafblind people in a remote mode. Currently, the company is looking for a local speech-to-text partners in each country.

## Company Background

Sensor-Tech has been established in 2017 to develop new technologies and products for people with hearing and visual impairments (including deaf-blind people) in Russia and in the world. Charly entered the Russian market in Q4 of 2019. It's available only in Russia. Sensor-Tech is Startup Village 2019 finalist and the company won National StartupRally trophy for the best biomed startup in 2019. Another product of Sensor-Tech is Robin, which is a smart assistant for blind people. Robin can recognize objects and people faces, obstacles.



### Website

- [www.sensor-tech.ru](http://www.sensor-tech.ru)

### Technology Readiness Level

- Ready for implementation (mass production)

### Sector

- Assistive Technologies, Bio Medicine

## Anti-COVID-19 Solution

Disinfection solution for surface treatment to reduce the multiplication of pathogenic microflora, including various viruses.



## Company Background

The company developed a new highly effective biocidal preparation based on zinc chelating compounds that has a wide spectrum of antimicrobial activity and does not change properties when introduced into the polymer matrix. It has an ongoing partnership with LG Research Center and Rusagro Group on new investigations. The project became a finalist of the AgSam2017 by Bayer and received the award for the best scientific development of 2017 by SIBUR.

### Website

- [www.activpack.ru](http://www.activpack.ru)

### Technology Readiness Level

- Prototype. Production batch is possible

### Sector

- Disinfection, Bio Medicine

## Anti-COVID-19 Solution

Disinfection solution based on highly efficient bactericidal radiation technology. Kleofas Engineering produces ultraviolet systems (electrodeless lamps) for water, air and surfaces decontamination that can be effectively used to destroy viruses and bacteria. There are two prototypes: (1) a mobile system with five lamps for disinfecting several hundred cubic meters of air per hour, (2) a portable equipment with one lamp, which can be used as a manual bactericidal irradiator.



## Company Background

The Togolese Republic (West Africa) Government has implemented Kleofas multifunctional systems to disinfect water, air and surfaces. Undoubted advantages of the solution are energy efficiency and ease of the equipment maintenance. In the near future Kleofas plans to focus on scaling the business. There is a demand for solution in South Africa, India and Vietnam.

### Website

- <https://navigator.sk.ru/navigator/#/orn/1121492>

### Technology Readiness Level

- Prototype. Production batch is possible

### Sector

- Disinfection, Bio Medicine

## Anti-COVID-19 Solution

Chemical composition "Cryodez-Neo" with antimicrobial environmentally friendly properties based on organic acids. The product can be used for cleaning and disinfection purposes and it can further lower the risk of spreading infections.



## Company Background

Startup is a leader in the implementation and maintenance of a complex of sanitation and hygiene in enterprises and healthcare organizations in Russia. The project operates under the parent company "Technologii Chistoty" in Russia and the CIS countries.

### Website

- [www.gryazi.net](http://www.gryazi.net)

### Technology Readiness Level

- Under development

### Sector

- Disinfection, Bio Medicine

## Anti-COVID-19 Solution

Universal disinfectants of new generation. The project solves the most actual contemporary problems of non-specific prevention of infectious diseases. The products are applicable in healthcare and medicine, beauty and fitness, transport, communal, food and veterinary industries.



## Company Background

The company has been successfully operating on the Russian market of disinfection and sterilization since 1997. As a member of the National Organization of Disinfectionists, it has earned the title of "Best Organization of Disinfection Profile". For over 10 years it is involved in the development of disinfectology in the "Council of Disinfectants Manufacturers".

### Website

- [www.isen.ru](http://www.isen.ru)

### Technology Readiness Level

- Ready for implementation

### Sector

- Disinfection, Bio Medicine

## Anti-COVID-19 Solution

Powerful cloud and edge solutions for the entertainment industry and media sector. Solutions for ultra-fast delivery of any heavy content to anywhere in the world. Media platform for live broadcasting in 4K quality. All the products can be used to arrange the broadcasting of events, online office calls and other tasks during isolation period.



## Company Background

G-Core media platform helps to create a single workspace space for any video content. It works on base of global CDN service where clustered servers with load balancing, enable the provision of persistable video analytics services in real time. Their unique infrastructure is based on more then 100 nodes located on 5 continents. The network has great real time connectivity and that makes G-Core able to deliver content with excellent performance around the world.

### Website

- [www.gcorelabs.com](http://www.gcorelabs.com)

### Technology Readiness Level

- Ready for implementation

### Sector

- Cloud and Edge Solutions, IT

## Anti-COVID-19 Solution

An advanced, cloud-based sales automation and CRM software, designed to give users room for additional development, streamline routine sales tasks and decrease customer acquisition cost. The product allows to manage and automate sales and marketing needs remotely and can be used during isolation period.



## Company Background

amoCRm is a SaaS product that minimizes the number of actions that a sales rep needs to perform on a daily basis and is suitable for any business size. The software operates in Russia, USA, UK, UAE, CIS and European countries. It allows integrations in Gmail, Facebook, Dropbox, Stripe, WhatsApp, Telegram, Skype, Instagram, WeChat, etc.

### Website

- <https://www.amocrm.com/>

### Technology Readiness Level

- Ready for implementation

### Sector

- Cloud technologies, IT

## Anti-COVID-19 Solution

A complex cloud solutions for online mass storage and document processing that can be used to organize work during isolation period.



## Company Background

The company develops high-load data storage and processing systems as well as electronic document editors like Lexicon, QuickOffice, and others. It has more than 300 developers and engineers located in our development hubs in Moscow, Saint Petersburg and Innopolis.

### Website

- <https://ncloudtech.com/>

### Technology Readiness Level

- Ready for implementation

### Sector

- Cloud technologies, IT

## Anti-COVID-19 Solution

The solution allows the employer to monitor and control the activity of the employees during working hours, improve efficiency and prevent information leaks. The software collects information about presence at work, writing style, use of apps and browsing history; it can extract snapshots of the desktop, intercept emails, audio-conversations over Skype, Lync and Viber.



## Company Background

Stakhanovets LLC is a developer of a software product to improve business performance. The company was founded in 2014. More than 4,000 customers worldwide use Stakhanovets on more than 300 thousand devices.

### Website

- [www.stakhanovets.ru](http://www.stakhanovets.ru)

### Technology Readiness Level

- Ready for implementation

### Sector

- Remote work, IT

## Anti-COVID-19 Solution

The comprehensive data management solution which ensures confidentiality and integrity of limited-access data during storage and transfer. The software classifies the information and monitors compliance with policies. All activities not in line with the security policies are restricted. The Data Centric Security Model approach focuses on providing data with an appropriate level of security depending on its value.

## Company Background

Perimetrix - Russian developer of classified electronic data management systems, who have accumulated considerable experience in providing management and protection of electronic data related to trade secrets, to electronic design, design and project documentation at engineering enterprises. Its solutions are used by leading Russian and foreign companies in various industries. Partnerships with leading Russian IT-intergrators, such as Softline, Croc, CompuLink, I-Teco.



### Website

- [www.perimetrix.ru](http://www.perimetrix.ru)

### Technology Readiness Level

- Ready for implementation

### Sector

- Remote work, IT

## Anti-COVID-19 Solution

A solution for more secure and convenient work in a mobile app. WorksPad turns iPad, iPhone and Android devices into functional enterprise mobile workplaces, providing business users with wide range of capabilities, user-friendly interface, and enterprise-grade security. All communications between the mobile devices and the corporate network are SSL-encrypted. The application is compatible with all popular mobile VPNs. The corporate information can be cleared remotely by the administrator.



## Company Background

WorksPad is marked as a leader in the Russian and international markets. It got CNews Awards 2014 as The Best Enterprise Solution; in 2015, WorksPad took two nominations at the international Web&Tech Ready 2015 contest and appeared on the BEST 2015 SOFT list of PC Magazine/RE. MobilityLab LLC has technology partnerships with major Russian and international companies, among them Samsung, Citrix, InfoWatch, MobileIron, VMWare AirWatch.

### Website

- [www.workspad.com](http://www.workspad.com)

### Technology Readiness Level

- Ready for implementation

### Sector

- Remote work, IT

## Anti-COVID-19 Solution

The software product is designed to prevent information leaks and fight insiders. It allows to intercept all incoming and outgoing information from the company's network, and carry out its content analysis. The software also allows to monitor the efficiency of employees' working time. For content analysis, a unique technology is used to search for documents similar in content, innovative video compression technologies and a number of other high-tech technologies. Allows businesses and organizations to ensure the safety of information during the remote work of employees.

## Company Background

SearchInform provides a solution for data loss prevention and insider threat security, SIEM system and worktime control system. The solution works in every enterprise level, from a single user's workstation to corporate servers, and monitors data-at-rest and data-in-motion. SearchInform DLP is featured in the Gartner Magic Quadrant for Enterprise Data Loss Prevention. More than 2000 companies in 15 countries worldwide implemented the system. The company has branches in Brazil and South-Africa.



### Website

- [www.searchinform.com](http://www.searchinform.com)

### Technology Readiness Level

- Ready for implementation

### Sector

- Data security for remote work, IT

## Anti-COVID-19 Solution

A system to protect modern network infrastructure from a variety of online threats, including external attacks, malicious programs and scripts, and other risks. It also allows granular policy control for Internet users in terms of monitoring both traffic and application usage. It ensures the safety of information and provides an access to corporate resources during the remote work of employees.



## Company Background

UserGate is an expert in content analysis, protection from web threats, and email security. The solutions are used by more than 40,000 organizations all over the world, including government agencies, banks, major airports, international fast food chains, hotels, universities, 12,000+ schools, big telecom operators, and customers from many other vertical markets. UserGate's partner network consists of more than 300 systems integrators located in more than 40 countries, and it's still growing.

### Website

- <https://www.usergate.com/>

### Technology Readiness Level

- Ready for implementation

### Sector

- Data security for remote work, IT

## Anti-COVID-19 Solution

A digital solution for simple and secure way to sign transactions and e-documents in a smartphone that can help to manage documents remotely during isolation period.



## Company Background

SafeTech is a developer of innovative solutions for the protection of remote banking systems and electronic document management. The company developed a PayControl platform for protecting bank users that is already integrated by VTB Bank, PromSvyazBank, Vozrozhdenie Bank and Alfa Bank.

### Website

- <https://safe-tech.ru/en/>

### Technology Readiness Level

- Ready for implementation

### Sector

- Data security for remote work, IT

## Anti-COVID-19 Solution

Promobot is a service robot that can replace humans in crowded places, be a guide, a consultant, a promoter, a concierge, etc. It can also be utilized for temperature measurement and carry out disinfection. The area of application of Promobot's robots in the current situation could be replacement of employees of organizations and companies who deal with people in public places like hospitals and clinics and other vital facilities.



## Company Background

Promobot is a Russia-based company and the largest manufacturer of autonomous service robots in Northern and Eastern Europe. The company has a rep office in China (Hong Kong) and a wide network of dealerships across the globe. Promobots work in 37 countries as administrators, promoters, consultants, guides and concierges, replacing or supporting "live" employees. Promobot robots can be found in the Moscow subway, Dubai Mall, IKEA stores and other crowded places.

### Website

- [www.promo-bot.ai](http://www.promo-bot.ai)

### Technology Readiness Level

- Ready for implementation

### Sector

- Robotics, IT

## Anti-COVID-19 Solution

A complex of digital technologies for the production processes management of open-pit mining operations on the basis of robotic for production management, autonomous mining equipment, as well as industry solutions in the field of the Internet of things, artificial intelligence and predictive analytics. The solutions can replace work of people on site during isolation period.



## Company Background

VIST Group (part of Zyfra Group) is an international company in the field of development and implementation of IT for the mining industry and metallurgy. The company has successful implementations in CIS countries, Africa, Central Asia, the Middle East. It has an ongoing partnership with KAMAZ PTC, Mining Financial Company, EVRAZ and BELAZ.

### Website

- <https://vistgroup.ru/en>

### Technology Readiness Level

- Ready for implementation

### Sector

- Robotics, IT

## Anti-COVID-19 Solution

Video surveillance and computer vision. The system can be used to monitor compliance with self-isolation regime and interaction between people (for example, in terms of monitoring compliance with quarantine rules). The solution is able to process large crowds of people and functions in any weather conditions.



## Company Background

One of the leading developers of face recognition systems. It is being used in the Moscow metro to identify individuals wanted by the police. In addition to face recognition, the solution can recognise licence plates, analyse and enhance videos. Implemented projects in India and Indonesia (state-supported project on biometric identification. Received investment from Huawei in 2019. Vocord's facial recognition engine ranked first in the MegaFace Open Challenge in 2016-2017.

### Website

- [www.en.vocord.ru/en/](http://www.en.vocord.ru/en/)

### Technology Readiness Level

- Ready for implementation

### Sector

- Face Recognition, IT

## Anti-COVID-19 Solution

Unity-based platform for streamlining VR project development and management. It allows the users to manage VR projects without professional programmer skills and without depending on the single developer company. A visual logic editor allows the customer to edit and put together VR projects from the objects and locations stored in a library. The platform is open for integrations. A feasibility study can help the company identify the best use-case for VR in the company. During the period of forced lockdown, the platform can be used to develop quickly virtual meeting rooms for different purposes (conducting business meetings, social gatherings, edutainment).



## Company Background

The company has a record of making VR projects of every kind: educational programs, virtual tours, VR presentations and showrooms for clients in retail, logistics, oil and gas, high school education and universities, museums. Some of the company's past clients include Gazpomneft, FM Logistic, Jacobs. Varwin has offices in Russia, Finland and the US.

### Website

- [www.varwin.com](http://www.varwin.com)

### Technology Readiness Level

- Ready for implementation

### Sector

- VR Platform, IT

## Anti-COVID-19 Solution

The system can help companies with high staff turnover to adapt new employees, develop communication, sales skills and increase the efficiency of coaches and mentors. The service can be used during self-isolation for to educate workers remotely with VR technologies.



## Company Background

Cerevrum is specialized in creating training simulations that help develop and practice soft skills with the help of VR technologies. The company works with the Natural Experience Learning System (NELS). It helps to practice in the most natural environment, which allows you to form communication skills faster than in the traditional form. Cerevrum works with X5 Retail Group, Rostelecom and Raiffeisenbank.

### Website

- <https://cerevrum.com/en/>

### Technology Readiness Level

- Ready for implementation

### Sector

- VR Platform, IT

## Anti-COVID-19 Solution

The technology with digital twins allows to study and discuss online interactive 3D layouts. The solutions are useful for remote work with designs and projecting during isolation period.



## Company Background

Webgears develops software technology and provides P/SaaS cloud IT products that allow industrial manufacturers and engineering companies to extract much more value from 3D graphics. It supplies a graphic interface that powers interactive 3D content within the emerging industrial IoT universe and allow transition of PLM and digital manufacturing systems into the cloud, together their 3D models.

### Website

- <http://www.wgt3d.com/>

### Technology Readiness Level

- Ready for implementation

### Sector

- Digital Twins, IT

## Anti-COVID-19 Solution

Online school of English language with a personal teacher (for children and adults). The solution can be used for distance learning during the period of quarantine/self-isolation.



## Company Background

- The biggest online English school in Europe
- #1 EdTech startup in Russia by valuation
- Over 100k students and 11k teachers so far
- Platform available in Spanish as of March 2020
- Classes of English also offered for learners in China, Turkey, and Greece

## Website

- <https://en.skyeng.ru/>

## Technology Readiness Level

- Ready for implementation

## Sector

- Online Education, IT

## Anti-COVID-19 Solution

Mobile system of personalized analysis of pronunciation of foreign words enhance the efficiency of education in foreign languages, based on analysis of physical parameters of foreign words pronunciation. The solution can be used to arrange the online education during isolation period.



## Company Background

LinguaLeo is an educational online platform offering an English language learning service based on gamification methods. Initially a Russian-language service, it is now localized for Turkey and Brazil. Total number of users reached 17,5 million people. LinguaLeo is available as an app on iOS, Android, and Windows Phone.

### Website

- [www.lingualeo.com](http://www.lingualeo.com)

### Technology Readiness Level

- Ready for implementation

### Sector

- Online Education, IT

## Anti-COVID-19 Solution

GlobalLab is a platform for collaborative online school projects. Main focus is on data literacy and practice, networked collaborations, scientific authenticity and project based investigations. The platform can be used by schools and teachers for distance learning during the period of quarantine/self-isolation.



## Company Background

The platform is available in English, Spanish and Russian. Currently, the GlobalLab community exceeds 220K users (teachers and students) in 60+ countries. The company has active partnerships with UNESCO Institute for Information Technologies in Education, Microsoft, Discovery Education (UK), Globisens (Israel), Fourier Education (USA), EcoMedia-Europe (Austria). Headquarters in Russia, rep office in the UK.

### Website

- [www.globallab.org](http://www.globallab.org)

### Technology Readiness Level

- Ready for implementation

### Sector

- Online Education, IT

## Anti-COVID-19 Solution

YaClass is a task generator for school curricula designed in coordination with scientists. The portal contains online simulators for the school curriculum and automatic verification of homework. Currently, the platform contains a database of 1.6 trillion assignments and video-lessons on 13 subjects of the school curriculum. The platform can be used by schools and teachers for distance learning during the period of quarantine/self-isolation.



## Company Background

YaClass online platform is being used by over 2 million students from almost 40 thousand schools across Russia, Latvia, Armenia, Austria, Finland, Germany, Kazakhstan, Uzbekistan, and the Republic of Belarus. In 2019, the company opened a representative office in India, where successful pilots were implemented with schools in several major cities. Mobile version available for tablets and smartphones.

### Website

- [www.yaclass.ru](http://www.yaclass.ru)

### Technology Readiness Level

- Ready for implementation

### Sector

- Online Education, IT

## Anti-COVID-19 Solution

Dnevnik offers a free digital educational platform for students, teachers, parents and public institutions. The system provides users with round-the-clock access to grades, class schedules and homework. With its help it is easy to plan educational activities and exchange school news, use other educational services and applications. The platform can be used by schools and teachers for distance learning during the period of quarantine/lockdown.



## Company Background

Largest EdTech company in CIS, providing a wide range of products for parents, students, teachers and government officials. Majority of schools in Russia, over 850k teachers, 7.9 million students, 4.2 million parents from all parts of Russia are users of the platform. In 2019, Dnevnik ranked #9 in the Top-10 most popular educational platforms in the world (according to SimilarWeb resource).

### Website

- [www.dnevnik.ru](http://www.dnevnik.ru)

### Technology Readiness Level

- Ready for implementation

### Sector

- Online Education, IT

## Anti-COVID-19 Solution

Interactive e-learning platform that can be used to organize distance education during periods of school closure and quarantine.



## Company Background

The project has more than 3.5 million users in Russia and abroad that organize and study school subjects. It is presented in the US, Chinese, South African, Indian and Brazilian markets. Uchi.ru organizes Russian and international online competitions for schoolchildren (BRICSmath.com, DV-olymp.uchi.ru, Russian with Pushkin). The product is free for teachers and their students that have an access to subjects that are also planned in accordance with the curriculum.

### Website

- [www.uchi.ru](http://www.uchi.ru)

### Technology Readiness Level

- Ready for implementation

### Sector

- Online Education, IT

## Anti-COVID-19 Solution

The project reduces barriers to a high-quality education and can be used to organize distance education during periods of school closure and quarantine.



## Company Background

Distance learning platform that is designed for homeschooling and allows to obtain primary and secondary education. It became the “Best Virtual School” of 2016 and 2018 by Family Education Award in Russia. More than 13 thousand students from 94 countries already prefer the platform to a traditional school.

### Website

- [www.home-school.interneturok.ru](http://www.home-school.interneturok.ru)

### Technology Readiness Level

- Ready for implementation

### Sector

- Online Education, IT

## Anti-COVID-19 Solution

The service can be used during self-isolation for learning new skills online and practicing distance education.



## Company Background

Online university platform that allows to master a new specialty and develop marketable skills from scratch, collect a portfolio, prepare a CV and find a job during the learning process. It is presented in Russia and the CIS countries and has more than 300 thousand active users. The product portfolio includes more than 40 online courses with unlimited access to lessons, graduation projects and internship guarantee. Partners, authors of the courses and employers include companies like Ingate, Creative People, Redmadrobot, Persona.

### Website

- [www.skillbox.ru](http://www.skillbox.ru)

### Technology Readiness Level

- Ready for implementation

### Sector

- Online Education, IT

If any of the listed solutions can be of interest to your company or organization, we offer to arrange an online **introduction and pitching**, please, contact us at:

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