COVID-19 Pandemic Response

EMS, Home-based, Community, Pre-Hospital, ER, ICU, General Hospital and Long Term Care Facilities
Inspired by Innovation, Connected and Coordinated...

The Israel Export and International Cooperation Institute, supported by member firms, private sector bodies and the government of Israel, advances business relationships between Israeli exporters and overseas businesses and organizations. By providing a wide range of export-oriented services to Israeli Medical Device and Digital Health Sector, we help build successful joint ventures, strategic alliances and trade partnerships.

COVID-19 has brought the immediate pressing need for triaging, ICU techs, Infection control, IVDs and PoC and online consultation, tool for identifying high-risk groups and hotspots in the community, robotics and workflow optimization, supply chain management and care coordination between the institutions... these day we witness widespread recognition that healthcare technology is critically important and handling dozens of inquiries daily...

This catalog aims to highlight much needed techs that able to demonstrate both realistic and significant impact within assigned areas of the COVID-19 pandemic response.

Discover Israel’s Medical Device & Digital Health Industry with IEICI.

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Care Coordination

Operational Efficiency / Population Health Management
Infection Control / Infectious Diseases Management
Belong – a social network for managing & navigating treatments.

CoronAPP - In cooperation with the Israeli MOH, the company’s patient engagement platform is used to share the information published by the MOH, guide, and assist the Israeli population in dealing with exposure to the virus.

The application includes information on how to protect against the Coronavirus, real-time messages, updates directly from the MOH’s operation room, trails of exposure to the virus, home isolation reporting, guidance regarding isolation and support communities.
The Next Generation of Healthcare Management.

Blossom Digital Transformation platform has multiple built-in and integrated capabilities that support efficient remote team work such as:

- Multiple communication and engagement options for employees, partners, customers, teachers & students
- Video collaboration tool - Built in 1 on 1 video calls, video conferences, webinars and collaboration capabilities
- Remote Teams management tool – Built in intuitive tool for management & communication of remote operating teams
- Remote Learning solution -Enable interactive content creation, distribution, performance and analyzing

Other modules in the platform - Training administration, performance evaluations, E-Forms, workflows, portals, gamification, employees digital files, events registration, certification and dashboards.

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The global innovation leader in Public Safety Technology.

With the dramatic spread of the Coronavirus (COVID-19), call volumes in ECCs have increased by several hundred percent.

Through Carbyne’s platform, ECCs can use the phone as a powerful tool to examine symptoms remotely (by live video, location and chat) and communicate with citizens who exhibit symptoms, in order to prevent movement which helps mitigate the spread of the virus. By utilizing Carbyne’s platform, ECCs can increase the efficiency of their work.

Cloud native solution that unifies the flow of emergency life-saving information (Voice & Data) into one unified platform.
A fully automated remote care and telemedicine platform.

Datos’ COVID-19 solution, *implemented within 48 hours*, is specifically designed to support hospitals to keep suspected corona patients, and those infected but not requiring hospitalization, at home while still providing them with optimal care.

Datos manages large scale of patient numbers with minimal resources, prevents Coronavirus patients from overloading hospitals by maximizing home hospitalization while protecting the clinical staff at the hospitals.
**Hands-on support & training platform for field personnel.**

Easily create and deliver interactive step by step guides to field personnel, communicating workflows, flowcharts and forms. To reduce training time, improve productivity and medical device usability. Allowing teams in the field to become more proficient, while reducing human errors and system downtime.

Specific use cases - super fast training of new personnel to man missing positions. Allowing self-service when service engineers are not available, and pushing teams productivity with procedures.

https://ginger-gene.com/site/
Supporting each patients’ complex journey through the clinical trial life cycle.

TrialME offers sites a rapid shift to a remote structure that follows the FDA’s new guidelines during COVID-19 pandemic to enable continuance of clinical trials with patients from the safety of their home.

- On-Demand telemedicine
- Trial protocol digitalization on patients’ application
- Continuance monitoring and wearable integration
- Engagement and compliance automation
- Data visualization and analysis
- ePro, eConsant, eCOA
- Affordable, highly scalable, 21 CFR Part 1 and HIPAA compliant with an audit trail.
AI Identifying High Covid19 Risk Population via EMRs.

Proven, commercially available AI platform that understands unstructured and fragmented text in Electronic Medical Records like a specialist physician. Offers autonomous analysis and screening of EMRs to accurately identify chronic medical conditions that can lead to high-risk for contracting Covid19 virus. Early identification of high-risk individuals (at the hospital, insurer or regional/national level) can facilitate instituting preventative measures for risk reduction and preventing infection spread through the population.
**TailorMed**

**Category:**
Hospital operational efficiency  
Medication adherence

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**Therapeutic Area(s):**
Oncology  
General health  
Primary care

An end to end financial navigation platform.

TailorMed online platform is an end-to-end solution that streamlines and automates the financial navigation process. It uses advanced analytics to identify financial assistance and offer personalized funding opportunities, with the ability to enroll patients in these programs.

TailorMed offers a full range of services including patient financial navigation over the phone or video, provided by leading Financial Navigators from across the country and the ability to enroll patients into hundreds of programs.

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**TailorMed Financial Navigation**
Optimization of out-of-pocket expenses in all financial navigation domains, based on a patient specific cost projection

**TailorMed Financial Insights**
Advanced analytics that empowers management to track, measure and improve financial navigation KPIs and ROI

**TailorMed Pharmacy**
Streamlines the free and replacement drug ordering process and allows management tracking of every approved drug program
EMS

Vital signs sensors,
Airway management equipment,
Drug delivery systems
Continuous, wearable, wireless monitoring.

The Biobeat platform allows continuous monitoring using our wearable, wireless, non-invasive monitoring sensors, providing more than 16 different vitals, all in a small device attached to the individual (patch or wristwatch monitors). The data is automatically transmitted in real time to any monitoring system used by the medical staff, providing relevant alerts. This reduces the contact between patients and medical staff. The device has a CE mark approval.
Medical Infusion Solutions.

The Sapphire Infusion Pump by EitanGroup, answers the infusion needs of ambulatory, homecare and hospital markets in a single platform. During the COVID19, our Multi-Therapy pump, is used in isolation wards and patients’ homes worldwide, to treat with antibiotics, analgesic and other IV administered medications. Easy to use, robust and intuitive, the Sapphire pump treatment modes are: PCA, Continuous, Multi-step, Intermittent, Epidural and TPN in 22 different languages.
Flight Medical

www.flight-medical.com

**Flight Medical**

**Category:** Medical Equipment

**Therapeutic Area(s):**
- Pulmonary
- Emergency Medicine Services (EMS)
- Intensive Care unit (ICU)
- Primary Care

**Flight Medical markets life support respiratory ventilators**

Flight Medical Innovations Ltd. (1996), develops, manufactures, and markets life support respiratory ventilators. Flight Medical's ventilators are used in ICU, ER, long Term Acute Care facilities, EMS, intra-hospital transport and homecare. Flight Medical sold more than 20,000 units in 50 countries worldwide: USA, Canada, Japan, China, India, Israel, Italy, Spain, Kenya, Brazil, etc.

From the early beginning of the outbreak of COVID-19 in January, Flight Medical ventilation was chosen among few ventilation companies by Chinese MOH to supply life support multi-purpose ventilators.
Ultra Portable Turbine Ventilator.

**Ventway Sparrow** – ventilator designed to perform during an outbreak of viral infection, such as COVID-19 require a unique combination of features, all of which exist in Ventway. Weighing only 1kg, the Ventway Sparrow delivers high-performance ventilation to fit all patients.

Regulatory status: **CE** (authorized body: BSI) – Approved

FDA (class 2B, based on 510K) - Final stage, waiting for the FDA decision, expected in Mid-March 2020

**SALI Reinforcing Community Health COVID-19 Epidemic**

SALI is a full critical aid system designed to establish community safe zones for medical response. A real time connection between all emergency services allowing better allocation of resources during chaotic situation.

Regulatory status: **CE** (authorized body: BSI) – Approved
A Wearable (CVRI) Portable Vital Sign Medical field Monitor.

The DTR8 is an all-in-one monitor able to provide both vital signs (blood pressure, heart rate, respiratory rate, spO2, etcO2) and CVRI*. All in small-size and easy to use device

*CVRI – cardio-vascular reserve index
The CVRI is a patented algorithm, unique clinical prove prediction, of patient hemodynamic deterioration.

The prediction shows in number colored coded on the DTR8 screen (as attached) and can assist the first responder on the field to determine if the patient is in risk and deteriorating, when the basic vital sign seems to be balanced.
The most compact Bag Valve Mask (BVM) on the market.

Micro BVM has developed a unique Manual ventilator Bag Valve Mask (BVM)-, that collapses into a robust case (dimensions 13.4 cm diameter x 6.3 cm height / 5.2 " diameter x 2.2 " height). The product saves 75% in space compared to standard BVMs. It is made from the highest quality of materials and has become the BVM of choice for military and EMS forces around the world.
Solutions for Todays EM Nurses and Physicians.

Since its adoption by the United States Army Rangers in 2001, The Emergency Bandage®, also known as The Israeli Bandage®, has been the standard of care for hemorrhage control. With its unique pressure bar, The Emergency Bandage® provides unmatched pressure to the wound, controlling bleeding when every second counts. The Emergency Bandage® provides multiple applications for many possible wounds including amputations, making it ideal for the treatment of severe blood loss.

The Flexible Tip Bougie™ is a universal, disposable, and articulating bougie for use with adult oral endotracheal tubes with an inner diameter of 7mm and higher. Its one-handed operation makes it an ideal aid when establishing an airway. The tip of the device can easily be maneuvered up and down by manipulating the device’s slider tabs while inserting the fluorescent tip through the vocal cords.
Blood & fluid warming across the entire continuum of emergency care.

The Warrior line of blood and IV fluid warmers utilizes innovative (patented) warming technology enabling it to warm near-freeze fluids to body temperature in up to 11 seconds, even at high flow rates (KVO-290 ml/min). The Warrior is battery and AC-operable. A single battery will warm up to 3.5 liters of 40°C fluids/blood and 5 liters of 20°C room temperature fluids (configuration specific). Its portability, ease of use, and unprecedented performance makes it a perfect solution for all emergency environments.
Infection Control

Personal Care
Nurse applications
Purification surfaces, air and objects
Aura Air

**Category:**
Air Purification

**Therapeutic Area(s):**
Infection Control
General Health

**The World’s Smartest Air Management Platform.**

Aura Air is an all-in-one air solution. It detects and purifies air quality and predicts high-risk scenarios while notifying the user in real-time. The device will automatically adapt its functionality based on the outdoor and indoor air.
Ecological restoration indoors; First probiotics surfaces, Air and Objects Purifier.

betterair provides ecological restoration indoors, disperses environmental probiotics (Enviro-Biotics®) in the air creating a protective layer of beneficial flora on surfaces and objects. Those agents reduce illnesses caused by allergens, mold and bacteria (pathogens) that alleviate breathing disorders and allergic reactions. For safer and healthier indoor.

Coronavirus types can survive on surfaces and objects for days and can overwhelm your immune system. betterair boosts your immunity and has been proven to eliminate pathogens similar to Coronavirus on surfaces within hours!!
The TopBioShield personal, bio-protective, respirator, reusable mask.

The mask is full face, N99 filtration, low-leak respirator protection mask, built for short-term use of the medical teams in close contact with coronavirus patients providing enhanced protection compared with the conventional N95 respirator.

The mask was designed to provide maximum protection covering the entire head, sealing around the neck. It can be applied in seconds, its wide field, clear vizor allows performance of short precise intervention procedures.
Actively reduces the COVID-19 clinical complications with critical intelligence at the point of care.

The MilagroAI intelligent decision support Platform (IDSS) consists of proprietary and patented technology that in real-time extract, structure, clean and combine all patient data both textual (Radiology summary, nurses notes ...) and structured data (Bedside monitors, Labs, medication ...) and then use that algorithms ready data for true actionable information at the point of care.

The MilagroAI platform is analyzing in real time all of the Corona related information and can be easily modified to monitor the patients for COVID-19 related problem such as early identification for lungs sepsis and automate new COVID-19 protocols and guidelines as they are created.

The Sheba medical center is using MilagroAI every day to monitor hospital acquired infections.
Video

Antibacterial raw material for a variety of applications like: Face Mask, Bandages, Ointment, Paints, etc...

Our innovative nano-particles coating technology transforms almost any medical device, fabric, filters or any type of surfaces into an antibacterial surface and can prevent biofilm. Such capability makes us safe, effective and long term antimicrobial protection provider within the healthcare industry.
Quality nonwoven clothes for hygiene/medical care.

Disposable fabrics for personal care and medical use:
- Soaped dry sponges for quick bathing and personal care (DiniClean®) – just add water
- Soaped dry gloves for quick bathing and personal care (DiniClean®) – just add water
- Shampoo cups (wet, ready to use)
- Antibacterial cleaning cloth – avoid microbial and virus cloth
- Biodegradable cleaning cloth
- Light weight NP fabric (65gsm) to be used as filter for masks (replacing melt blown)
- Absorbent Fabrics to be used as raw material for producing absorbing pads
- Orthopedic pads
- Wet wipes

https://noam-urim.com/products/personal-care/
Polycart

www.polycartmedical.com/english

Category:
Hospital Infrastructure
Industrial use / OEM

Therapeutic Area(s):
Sterile Environment
Infection control

Solutions for an anti-bacterial environment.

Polycart has developed a novel anti-bacterial plastic plate, which wards off bacteria in the patient’s environment.

- POLYAB PL0211 is an innovative solution featuring a panel made of ABS material that can be converted by thermo-forming technology into a component of the finished product for the patient environment, operating and other rooms where bacterial deposits are substantial, and the risk of infection is high.

- POLYAB PL0211 contains embedded antibacterial material, unlike other solutions in which antibacterial material coats the inner surfaces, and any groove or scratch exposes the product to renewal of bacterial colonies.
PerSys Medical

www.persysmedical.com

Category:
Medical Equipment
Personal Protective Equipment (PPE)

Therapeutic Area(s):
Wound Management
Intensive Care unit (ICU)
Emergency Medicine Services (EMS)

Solutions for Today's EM Nurses and Physicians.

PerSys Medical is dedicated to the design, manufacture and marketing of life-saving innovations worldwide.

We aim to provide a high level of care for practitioners in the pre-hospital and hospital sectors. Our innovative emergency solutions are used by military, hospital, law enforcement, first response and emergency medical personnel.

PerSys Medical is a market leader in emergency medical solutions for vascular access, hemorrhage control, hypothermia treatment and airway management.
Your hygiene is in your Hands.

Soapy offers the first ever AI-enhanced, IoT-connected, eco-friendly hygiene micro station, helping consumers to wash hands effectively according to standards set by the World Health Organization. It takes the exact optimal amount of water and soap per hand washing. A computer vision interface verifies that the hand washing was done properly. On request, the soap will now include a plant-derived substance proven to kill tobamo virus – which is more resistant than Corona virus.

https://www.soapy.care/

Category:
Hospital operation
Efficiency
Nurse applications
Assistive Technology

Therapeutic Area(s):
Infection Control

Video
Skin cleaning and disinfection solutions.

Sion Medical Ltd. is a leading manufacturer of single-use skin cleansing and dermatologic treatment, advanced wound care and surgical solutions for the professional health care sector. The company focuses its attention on the development of skin asepsis solutions, generic creams, ointments and gels for topical dermatologic and wound applications.

L-Mesitran is a pioneering product range, based on Medical Grade Honey, available worldwide since 2002 with excellent clinical results.
Vi

deo

Protective Oculo-Respirator

ViriMASK™ provides ultimate protection at maximum comfort against small particles, viruses (including the Covid-19), bacteria and aerosols with no need for excessive pressure on the face.

It is strapped around the head, covering the eyes with a see-through visor and the nose and mouth with a filtering mechanism. It is washable and re-usable. The filter must be replaced after 12 hours of use.

The inventor, Prof. Noam Gavriely, was involved in the development of gas masks with the IDF during the second Golf War.
ICU – Intensive Care Unit

Beecardia

www.beecardia.com

**Category:**
Point of Care Diagnostics
Mobile Healthcare
Remote Monitoring

**Therapeutic Area(s):**
Respiratory
Cardiovascular
Intensive Care unit (ICU)

**Beecardia Telemedicine Platform for Respiratory and Cardiovascular Diseases.**

Beecardia platform includes 6-12 lead ECG devices, a spirometer, a digital stethoscope, pulse oximeter and other sensors connected to the cloud-based portal thru mobile application.

It enables:
1. Quarantine care including remote/mobile ICUs, connecting primary care teams to remote specialists.
2. Remote monitoring for the continuum of care of coronavirus survivors with residual damage of lungs, heart and other organs - as well as asthma, COPD and cardiovascular chronic patients.

Additional information:
https://beecardia.com/physicians
https://beecardia.com/products

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**IV CANNULA SIMPLICITY & COST, 29 days dwell time.**

The M/29-Bullpup™ is a Peripheral over-the-needle IV catheter with Midline performance; 29 day dwell time.

IV Cannula dwell time of 29 days, therefore reduce catheter replacements and medical staff workload,
- Reduce overall Nurses workload and blood exposure
- Allows single insertion for up to a month of IV access
- Reduce overall cost and complications
- Reduce vein damage
- Eliminate the need for guidewires and complicated training
- Especially useful for procedures require IV antibiotics
- Best fit for Elderly patients require longer IV access with minimal training and cost.

https://bullpupscientific.com/
**CLEW**

https://clewmed.com/

**Category:**
Medical Software
Decision Support System
Remote monitoring

**Therapeutic Area(s):**
Respiratory
Intensive Care unit (ICU)

**Tele-ICU Powered by AI to Combat Pandemics.**

**Scalable telehealth infrastructure** – cope with increased patient volumes;

**Remote patient monitoring** – reduces the risk of clinicians’ exposure to infected patients;

**Work from home** (WFH) intensivists – allows medical personnel in quarantine or infected to remain active;

**Predictive and proactive measures** – using AI to reduce disease severity and workload;

**Minute by minute risk stratification** – real-time acuity classification.

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Medical Infusion Solutions.

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**EyeControl**

**Category:**
Nursing Applications  
Patient Engagement  
Wearables & IOT

**Therapeutic Area(s):**
Intensive Care Unit (ICU)  
Rehabilitation  
Infection control

**EyeControl enables remote communication between ventilated ICU patients and medical staff/nurse station.**

EyeControl is an assistive technology for intensive care units. The device uses pupil movements to enable bi-directional remote communication between ventilated patients and medical staff, thereby improving accuracy of care, freeing up beds and equipment, and limiting contagion by reducing the need for proximity. EyeControl has two target markets: medical facilities for ventilated patients and home care for Locked-in individuals. The EyeControl is CE marked, FDA listed, and ISO certified.
Flight Medical

www.flight-medical.com

**Category:**
Medical Equipment

**Therapeutic Area(s):**
Pulmonary
Emergency Medicine Services (EMS)
Intensive Care unit (ICU)
Primary Care

**Flight Medical markets life support respiratory ventilators**

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Video

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**LifeCan Medical**

**Category:**
Medical Equipment  
Emergency Ventilation  
Airway Management

**Therapeutic Area(s):**
Respiratory  
Emergency Medicine Services (EMS)  
Intensive Care unit (ICU)

**LifeCan-The ultimate solution for ventilators deficit.**

LifeCan Medical has developed a cost effective BVM-based automatic respirator device that enables to operate a standard manual BVM respirator as an automatic mechanical ventilator. LifeCan provides ventilation solution for an extended period at a stable, accurate frequency and volume according to predefined parameters. The device is portable, battery operated, low cost and easy to use. LifeCan device provides solutions to two of the main global problems caused by the COVID-19 pandemic:
- Ventilators deficit
- Lack of trained medical personnel who know how to operate sophisticated mechanical ventilators

LifeCan's breakthrough development was chosen by the Israeli Ministry of Health and Ministry of Defense, as a solution to the current ventilator deficit in hospitals due to COVID-19, and was selected to supply thousands of units to the Israeli health care system.
NICaS provides patient’s complete noninvasive cardio-respiratory profile.

NICaS Provides real-time, continuous, accurate and highly reproducible hemodynamic status including: Stroke Volume, Cardiac Output, TPR, CPI, TBW, Respiratory-Rate and DO2

NICaS Unique Solution for CVOID19 management:
- Cloud-based Remote/ Local monitoring;
- Differentiating pulmonary or cardiac source of dyspnea;
- PEEP titration using NICaS DO2 parameter for optimizing oxygen delivery;
- Fluid optimization – enabling the doctors to maximize patients SV while reducing patients fluid volume to needed goal.
Medisim

www.ttp.medisim.co.il

**Category:**
Monitoring
Medical Equipment
Disposables

**Therapeutic Area(s):**
Intensive Care unit (ICU)
Emergency Medicine Services (EMS)
General Surgery

**Temple Touch Pro™, non-invasive, continuous core temperature monitoring.**
- **Perioperative,** from OR to PACU and in ICU, and all anesthesia types or awake patients
- **Minimizes** risk of infections and complications; complies with guidelines for a uniform measurement method perioperatively
- **Easy to use sensor,** placed on patients’ temple
- FDA cleared, CE and PMD approved
- **Cost competitive solution** and **recurring revenues from disposable sensor**
- **Patented** and breakthrough technology, developed over 25 years of extensive R&D
- Can offer early detection of **sepsis**
Solutions for Today's EM Nurses and Physicians.

The NIO – Next-Generation IO™ is an automatic, spring-loaded, single-use intraosseous access device for use in the pre-hospital and hospital setting. The NIO provides quick, safe, easy vascular access in 10 seconds or less. No batteries. No assembly. No extra parts. No risk of cross contamination.

www.persysmedical.com
Blood & fluid warming across the entire continuum of emergency care.

The Warrior line of blood and IV fluid warmers utilizes innovative (patented) warming technology enabling it to warm near-freeze fluids to body temperature in up to 11 seconds, even at high flow rates (KVO-290 ml/min). The Warrior is battery and AC-operable. A single battery will warm up to 3.5 liters of 40°C fluids/blood and 5 liters of 200°C room temperature fluids (configuration specific). Its portability, ease of use, and unprecedented performance makes it a perfect solution for all emergency environments.
Renal Sense

www.rena尔斯ense.com

Category:
Medical Equipment
Remote Monitoring

Therapeutic Area(s):
Intensive Care unit (ICU)
Nephrology

Real-time Renal Diagnostics & Monitoring.

Clarity RMS™ will reduce risk of contamination. Once the patient is connected, no need to have any physical contact with him. This is very useful for the isolation room.

Very recently, the outbreak of COVID-19 has shown the utmost importance of continuous renal monitoring and effective fluid management in critical patients. AKI might be a predictor of mortality in infected patients and should be treated in accordance with best-practice guidelines.

Video

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**Sensible Medical**

**Category:**
Medical Equipment  
Disease Management  
Point of Care Diagnostic

**Therapeutic Area(s):**
Pulmonary  
Cardiology  
Intensive Care unit (ICU)

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**ReDS for diagnosis and management of COVID-19 patients.**

Sensible Medical is manufacturing and marketing a non-invasive lung congestion monitor for HF failure patients in the US and Europe.

Current COVID-19 data suggests that imaging and assessing patient lungs can be important for diagnosis and effective management of the disease.

Given the characteristics of the ReDS device (providing an accurate and sensitive assessment of lung status in 2-minute), it will provide great value for COVID-19 patients by:

- Assess lung condition daily in hospitalized patients
- Use readings to detect deterioration early, and guide treatment and referrals to higher acuity settings

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[Video](www.sensible-medical.com)
Imaging
Mobile radiology
Decision support systems
CMT Medical  
www.cmt-med.com

Category:  
Diagnostics  
Medical Equipment  
Imaging

Therapeutic Area(s):  
Radiology  
General Health  
Orthopedic

Digital Radiography System for diagnosing lung disease in corona patients.

ArtPix Mobile EZ2GO is a digital X-ray system provides the solution for upgrading any analog or CR mobile x-ray to DR. Adapted for daily chest examination for COVID-19 diagnosis.

- No cable connection, no installation time, can be used straight out of the box
- No need to transfer potentially infected patients to dedicated x-ray rooms
- Reduces risk of cross-contamination
- Image quality and the sensitivity of the system is outstanding while keeping low dose
- Image available in real time on tablet and transmitted to central server
AI-based Brain Analytics for mental health management

A cloud-based platform that translates complex brain electrical signals (EEG) recorded either in the clinic or at home, to actionable clinical insights for a physician as a treatment decision support tool. We focus on guiding effective treatment for mental health issues, in particular depression, anxiety and cognitive decline. It includes biomarkers for personalized treatment selection as well as monitoring the effect of interventions on brain improvement for better mental health.
Viz COVID-19 is a solution that allows efficient triage and treatment of COVID-19 patients

A solution that allows triage and treatment of COVID-19 patients, while reducing care team exposure by enabling remote clinical care and collaboration between separate facilities and specialties. Positive Test Alerts: Alert the entire care team to positive test results. Secure Communication: Send messages to providers in the field and across specialties. Mobile Image Viewer: View chest scans. Bed and Resource Management: Bed, equipment and resource allocation with real-time updates.
AI for the Detection of COVID-19 in Chest CTs.

As COVID-19 spreads throughout the world, Zebra's AICOV can facilitate efficient triaging of patients through identifying and classifying COVID-19 specific findings on chest CT and directing those patients to quarantine and appropriate medical care. A chest CT is a useful diagnostic tool to identify the more moderate and severe cases requiring hospitalization. Zebra's algorithm will be retrained on new COVID-19 CT scans from the newly created databases.
Isolation systems

Field hospital... Patient Transportation
In-hospitals Isolation Chambers (negative / positive pressure)
Filtering techs
Beth-El Industries

www.beind.com

Category:
Medical Equipment
Mobile Healthcare

Therapeutic Area(s):
Patient Isolation
Patient Transport

Mobile Medical Isolation rooms and Mobile Stretcher Isolation systems.

The IsoArk Mobile Isolation Chambers are designed for rapid setup of an effective and self-contained environment, quickly making any space into an isolation room while exceeding today’s standards for airborne infectious isolation, including CDC guidelines. The IsoArk N36 Stretcher Isolation system provides maximum protection and operational safety for both the patient and medical/first responder team during land and air transport as well as during transport within the hospital.
Savion Industries, established in 1967 is a leading manufacturer of hospital and medical furniture.

Savion Industries specializes on the manufacture of beds, stretchers, trolleys and accessories for hospitals and medical use. Savion’s product solutions and professional specialization enable it to meet the requirements of its customers.

Savion’s product range includes:

- isolation solutions
- motorized transportation stretchers
- patient stretchers for emergency, transportation / trauma / ophthalmic / shower
- beds for general hospital care / home care
- mattresses

Savion Industries
www.savion.co.il
IVD & Point of Care Diagnostics

Lab equipment
Community based diagnostic devices
equipment... tests... reagents... software...
Decoding our immune-system into simple diagnostic insights.

We are passionate about translating the complex signals of our immune system into simple diagnostic insights that transform the way we treat infectious diseases. We’ve developed and validated a pioneering immune-based signature and point-of-care platform for distinguishing between bacterial and viral infections – an indispensable tool to fight against antibiotic overuse and resistant bacteria – one of the biggest healthcare challenges today.
PulmOne

www.pulm-one.com

Category:
Medical Equipment
Point of Care Diagnostics
Decision Support System

Therapeutic Area(s):
Allergy
Asthma
Pulmonary function monitoring

Desktop & Cabinless Complete Pulmonary Function Testing.

The MiniBox+™ is a desktop and cabinless device for accurate and efficient complete lung function testing in any clinical setting. Its unique design enables easily performed testing and automatically generated results for reliable diagnostic and treatment recommendations.

Its safety features and mobility make it an ideal device for the COVID19 era, with the increased need for lung function evaluation and monitoring.
**Sight OLO** – combining AI and breakthrough hardware to bring Lab-quality CBC results to the doctor’s office.

OLO, Sight’s blood analyzer recently received FDA 510(k) clearance, is revolutionizing blood testing as we know it around the world. With just 2 drops of blood obtained from a finger prick or venous sample, OLO provides lab-grade Complete Blood Count (CBC) results in minutes.

Most recently, OLO is being installed in a Sheba Tel Hashomer hospital to support the effort in managing the coronavirus epidemic.
Risk Assessment / Triage

Digital Primary Care Symptoms Checker
ER Triage Robotic / Home-based Triage Apps
Remote Triage for symptomatic, non-isolated patients
Binah.ai

**Category:**
Mobile Healthcare  
Remote Monitoring  
Decision Support System

**Therapeutic Area(s):**
General Health  
Primary Care  
Respiratory  
Infection Control

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**Video-based, AI-powered Vital Signs Monitoring**

Binah.ai’s ready-to-use, AI-powered Digital Healthcare applications address the challenges of remote, contactless Health and Wellness monitoring. Its video-based-only monitoring solution removes the need for wearables and enhances telemedicine, remote patience monitoring and preventive medicine services. Binah.ai’s AI-based, unique technological mix transforms any camera on any device (smartphone, laptop, tablet etc.) into a medical-grade monitoring solution. Binah.ai’s heart rate variability (HRV) measurements offer the basis for a wide range of body measurements such as: blood pressure, mental stress level, oxygen saturation, respiration, alcohol blood level and more.

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**Video**

[Video Thumbnail]

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www.binah.ai

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Data-driven, high quality health care in your pocket

K Health is a suite of services and products that provide you better, more affordable health care. K’s cutting-edge AI asks simple, relevant questions to help you understand your symptoms and give you immediate answers you can trust for free. Using K, you can also connect with board-certified doctors who can diagnose, prescribe medication, fulfill Rx refills, order labs, and more—all from the comfort and safety of home.
Hyro.ai

www.hyro.ai/covid-19

**Category:**
- Patient Engagement
- Web/Internet Solutions
- Artificial Intelligence

**Therapeutic Area(s):**
- General Health
- Infection Control
- Infectious Diseases

**Free AI-Powered Virtual Assistant for COVID-19 Diagnosis & Prevention.**

Hyro’s free COVID-19 conversational AI was developed to help overwhelmed healthcare organizations currently dealing with an unprecedented spike in traffic across their communication channels, and to assist patients who are struggling to find the validated answers they need. Their virtual assistants are currently serving thousands of patients daily across organizations such as Mercy Health and Montefiore Medical Center, providing risk assessment and symptoms triaging while sourcing real-time preventative data from the CDC, WHO and others.

[Video]

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**COVID-19 Remote Assessment and Monitoring Platform.**

Diagnostic Robotics’ **home-based triage system assesses and monitors individuals at risk for COVID-19.** The platform uses a questionnaire to analyze symptoms and underlying comorbidities to generate a personalized risk profile for COVID-19. Users receive guidance in line with their individual progression and symptoms.

Providers can view a patient dashboard and receive alerts about health status changes. Public health officials can access a **COVID-19 heat-map** to predict spread and facilitate responses.

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**Diagnostic Robotics**

www.diagnosticrobotics.com/covid-19

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**Category:**
Population Health Management
Remote Monitoring
Patient Engagement

**Therapeutic Area(s):**
Primary Care
Infection Control
Infectious Diseases
MDClone

Category:
Population Health
Management
Disease Management
Hospital Operational
Efficiency

Organize, access, and protect data across your ecosystem.

MDClone's COVID-19 application is a condensed version of its full-service data management platform. This package allows healthcare organizations to understand and leverage their own data around COVID-19 in rapid cycles and gives them the ability to compare and benchmark a synthetic version through the MDClone Global Network. With this application, organizations will be able to manage COVID-19 populations and share specific data, ideas and insights with other like-minded.

Video

Organize, access, and protect data across your entire healthcare ecosystem. In rapid cycles, leverage data into actionable information to transform care, turning ideas into insights.

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Medial EarlySign

www.earlysign.com/algomarker/

Category:
Artificial Intelligence
Clinical Decision Support
Population Health

Therapeutic Area(s):
Diabetes
Infectious Disease
Oncology

Clinical AI-Solutions to Impact High Burden Disease.

EarlySign’s COVID Complications AlgoMarker Identifies individuals at increased risk for having COVID-19 complications. With the goal of prioritizing patients for COVID-19 testing and treatment, the solution is designed to accelerate efforts to identify those patients in need of early intervention. The result: More patients at high risk see their medical conditions addressed earlier and essential clinical resources are used more effectively.
Serenus.AI

www.serenusai.com

**Category:**
Decision Support Systems
Artificial Intelligence
Precision/Personalized Medicine

**Therapeutic Area(s):**
General Health
General Surgery

**AI-based Decision Support System for Post-Diagnostic COVID-19 Treatment Decisions.**

During pandemics, there is a huge burden on healthcare systems, resulting in severe erosion of care.

Serenus.AI empowers medical professionals in real-time, providing the right treatment to the right patient, eliminating or easing professional's exhaustion and compensating for the lack of resources and manpower to provide the appropriate medical help. This enables important prospective research with regards to patients' profiles, treatments, and their outcomes to improve the medical knowledge known today.
Track Virus

Category:
Personal Health Assistant
Disease Management
Mobile Healthcare

Therapeutic Area(s):
Infectious Diseases
Infection Control

The first global app to help stop the spreading of the corona virus.

Track Virus is a global digital solution with the potential to curtail the spread of infectious diseases such as COVID-19. The platform addresses the needs of the individuals, organizations and health authorities around the world.

A mobile app can be installed by anyone and provides personalized notifications based on the individual’s risk of exposure, based on all currently available epidemiological data, as well as from the users wellness data.

The app is currently available in Israel for use on iOS and Android devices. Track Virus was initially launched in Israel in partnership with United Hatzalah, a nonprofit, fully volunteer emergency medical service organization.
Telemedicine

Long Term Care Facilities for Elderly / Pediatrics
Remote Monitoring tools for Diabetics, Cardio, Respiratory, ENT...
Rehabilitation and Physiotherapy
Medication Adherence
Comprehensive healthcare surveillance Round-the-clock.

Like the RAPHAEL angel, ATLASense is the only one that developed a platform based on a single chest-worn monitor that has widespread applications at-home, in pre, intra and post-hospital settings that is versatile enough that clinicians can remotely customize for each particular patient such as: Quarantined patients, Ventilated patients in-weaning, in Rehabilitation, Infected, and Cardio-pulmonary chronically ill.
**Beecardia Telemedicine Platform for Respiratory and Cardiovascular Diseases.**

Beecardia platform includes 6-12 lead ECG devices, a spirometer, a digital stethoscope, pulse oximeter and other sensors connected to the cloud-based portal thru mobile application.

It enables:
1. Quarantine care including remote/mobile ICUs, connecting primary care teams to remote specialists.
2. Remote monitoring for the continuum of care of coronavirus survivors with residual damage of lungs, heart and other organs - as well as asthma, COPD and cardiovascular chronic patients

Additional information:
[https://beecardia.com/physicians](https://beecardia.com/physicians)
[https://beecardia.com/products](https://beecardia.com/products)
CardiacSense

www.cardiacsense.com

**A Medical Watch for Remote Patient Monitoring**

The CardiacSense watch is the only device that continuously detects A-Fib and measures most of the crucial vital signs. Meaning, cuff-less, continuous and absolute Blood Pressure, Respiratory Rate and Oxygen saturation. All is done over the wrist and with the same device.
CNOGA Medical

www.cnogacare.co

**Category:**
Point of Care Diagnostics
Population Health Management
Remote Monitoring

**Therapeutic Area(s):**
Cardiovascular
Diabetics
Primary Care

**Non-invasive Medical Devices for Outpatient Monitoring and Diabetes Management**

Cnoga medical is a leading global company for outpatient monitoring. CNOGA is a privately held international company with offices in Israel, China and Brazil. We develop innovative technologies in the field of non-invasive medical devices that integrated into data management platform to provide a complete solution for the outpatient patients and the physicians.
A global leader in contact-free health monitoring solutions

CU-BX’s contact-free optical sensing solutions measure key physiological parameters with medical grade accuracy for use in multiple environments (Home, Automotive & Medical). Remote detection of cardiac and pulmonary acoustics and biometrics including HR, RR, HRV and estimated BP, enables efficient care practices including early detection of health deterioration. Measurements are sent to a GDPR-HIPPA compliant health cloud where advanced analytics, using ML models and AI techniques support actionable insights.
EarlySense is a contact-less, continuous, monitor (heart rate, respiratory rate), keeping patients and medical teams safe.

EarlySense® is the global leader in contact-free, continuous monitoring. Used worldwide in hospitals and post-acute care facilities, the EarlySense system assists clinical teams and caregivers to treat isolation and quarantined patients without exposing them to risk and by minimizing contact with the patients. The EarlySense system captures the patient’s vital signs (HR and RR), notifying caregivers of potentially adverse events early on.

The EchoCare's non-wearable & non-invasive monitoring system (ECHO) detects various emergencies and a potential health deterioration. In the current COVID19 period, the ECHO system becomes very essential as it continuously monitors the respiration profile of quarantined seniors at their homes and COVID19 patients in hospitals. The system is based on a unique very low power radar followed by AI/ML engine that determines whether there is any emergency or abnormal situation.
Remote telecare and senior monitoring IoT solution.

Essence SmartCare’s platform for remote senior monitoring has a multitude of solutions that can be deployed in various facilities to improve the safety of seniors, and those in quarantine as a result of COVID-19 infection. Our technologies that have already been installed in the “Corona Hotels” in the Netherlands include sophisticated activity monitoring, fall detection as well as voice capabilities that allow residents to call for assistance and talk to their carers when needed.
G Medical developed 2 state of the art products for remote monitoring of patients:

Prizma – a smartphone size multi sensor device for monitoring patients’ vital signs on the go. This is a classic device for monitoring of COVID-19 patients (integrates both body temperature sensor and SPO2 sensor in one product)

VSMS – a low cost solution for monitoring patients’ heart electrical activity in 2 modes:
- Extended holter for up to 14 days (offline analysis)
- Auto detect and auto send – arrhythmia detection monitoring using an algorithm that analyze the ECG signal in real time and alert in case of an arrhythmia
Tele-Audiology for remote consultations by ENTs & Audiologists.

The Koalys Tele-Audiology platform is designed to connect patients with hearing care professionals in real-time (audio & video). ENTs and Audiologists are able to perform remote consultations with patients, whether for full hearing diagnostic or for follow ups after the patient has been equipped with hearing aids. Our platform could be deployed as a standalone solution in clinics or hearing care centers or be seamlessly integrated with existing tele-medicine systems.

www.koalys.com
Medisim

www.medisim.co.il

**Category:**
Remote Monitoring
Disposables
Wearables & IOT

**Therapeutic Area(s):**
Cardiovascular
Respiratory
General Health

**Non-invasive, continuous, vital signs measurement**

**WatchTemp™**
Rechargeable bracelet, suitable for all ages (pediatric and adult versions), continuously measures body temperature and pulse, communicates via Bluetooth to an App, with alerts and history. Affordable and comfortable home monitoring solution, for early identification of adverse events.
Medlife

www.medlife.co.il

**Category:**
Monitoring
Web/Internet Solutions

**Therapeutic Area(s):**
Obstetrics

**Next Generation Fetal Monitoring System.**

Hobar is a web-based CTG system that integrates seamlessly with any EMR system. A CTG system provides an easy way to monitor the fetus within the womb. Thanks to the integration of the CTG data into the EMR system, healthcare providers can see the bigger picture by receiving a complete set of information on mother and child at hand in one single environment.

The system provides remote monitoring from home clinics and hospitals, preventing infection risks for fetus, mother and medical staff. An important advantage in routine and especially during epidemic days.
AI-powered medical devices for women’s colposcopy and screening.

MobileODT is developing the latest AI-based clinical decision support tool for use on our FDA cleared and CE marked Enhanced Visual Assessment (EVA) System. The EVA digital colposcope is portable and cost-effective with built in telemedicine capabilities to enhance women’s health and expand access to experts at the point of care for cervical cancer screenings.
Tele-Rehabilitation – Comprehensive Physical and Occupational therapy at Home

With over 1,000 installations worldwide and TeleHealth provider for TRICARE, MediTouch provides the leading innovative TeleRehabilitation web-based platform with ergonomic wearable devices/sensors.

The patients can shift care to home environment, thereby saving cost, risk and time associated with commuting to the rehab clinic. Physical and occupational therapists can connect to the patient through an online connection and webcam enabling regular check-in customized and guided therapy sessions. The Patient can practice at home and his performance can be monitored by the therapist for optimal results.
Primary Care in the Palm of your Hand, Anytime, Anywhere.

MyHomeDoc's mobile phone diagnostic add-on enables primary care tests and patient-clinician communication from home. Precisely during pandemics, isolation and urgent need for rapid, accurate, safe testing, MyHomeDoc replaces contamination-risky face to face appointments. The secure, user-friendly device's technology leverages 4 built-in smartphone sensors, and includes an otoscope [ears], stethoscope [heart & lung], infrared thermometer [temperature], pulse oximeter [heart rate & saturation] & skin and throat exams via smartphone camera.
Oxitone

www.oxitone.com

**Category:**
Remote Monitoring  
Wearables & IT  
Artificial Intelligence

**Therapeutic Area(s):**
Cardiovascular  
Pulmonary  
Respiratory

**World’s first FDA-cleared wrist-sensor pulse oximetry monitoring solution.**

The COVID-19 outbreak emphasizes the need for an Oxitone solution and this is reflected by the fast growing demand for our product. The Oxitone solution was specifically designed for the continuous screening and monitoring of patients with respiratory failure that is a common outcome of COVID-19. Oxitone is currently helping healthcare professionals to maintain access to hospital-grade medical data on quarantined patients and identify “silent hypoxia” in a timely manner.
Somatix

www.somatix.com

**Category:**
Artificial Intelligence
Remote Diagnostics and Monitoring
Decision Support Systems

**Therapeutic Area(s):**
Geriatric
Long term care facilities
Quarantined patients
Rehabilitation

**Remote Patient Monitoring for HealthCare Providers.**

Somatix is a provider of wearable-enabled Remote Patient Monitoring solution to healthcare providers. Our platform monitors patients’ condition, health, and safety using our patented gesture detection technology and machine learning algorithms to analyze gestures and other physiological data in real-time and yield valuable clinical insights on risk factors for adverse events.

We work witheldercare facilities across the care continuum (including quarantined nursing homes), hospitals (with isolated patients), and rehab centers.
A comprehensive Primary Medical Exam and Telehealth Visit

Tyto Care enables providers to remotely examine patients in quarantined wards and patients in isolation at home, without risking exposure.

Most hospitals in Israel, including the renowned Sheba Medical Center, are currently working with Tyto Care to examine patients in their quarantined wards, as well as to monitor patients in isolation at home. This allows doctors to gain the vital clinical data they require to monitor the situation from a safe distance, minimizing physical contact and reducing the heavy load on ERs and clinics. The solution can be deployed within one workday!

Links to selected articles:
The Jerusalem Post: [Israel’s Tyto Care to prevent coronavirus exposure from patients at Sheba](https://www.jpost.com/Business/Israel%E2%80%99s-Tyto-Care-to-prevent-coronavirus-exposure-from-patients-at-Sheba-618798)
Remote Medication Management for High Risk Populations

A Remote Medication Management Package for High Risk and self-quarantined Populations

1. Home delivery of medication by partnering with a local pharmacy
2. Automatic daily reminding and monitoring of medication intakes and refills by the SimpleMed+ (keep alive).
3. Checkup calls in case a medication was not taken.
4. Built in help button – for refill request and live support.
Remote detecting and monitoring of vital signs for early-stage COVID-19 symptoms.

Vayyar’s intelligent sensors provide confidential monitoring to detect and check vital signs that can indicate early-stage COVID-19 symptoms. The data, including pulse, heart rate variability and respiratory rate, are all measured remotely, without the need for touch.

Vayyar sensors can be placed in homes, hospitals, factories, airports, public transport, borders, and more providing automatic screening, and by minimizing the need for face-to-face contact, the risk of exposure for both medical and non-medical personnel can be reduced.

Each Vayyar Home sensor scans the room 24/7, 365.
Vitalerter

www.vitalerter.com

**Category:**
Remote Monitoring
Nursing Applications

**Therapeutic Area(s):**
Geriatrics
General Health
Rehabilitation

**Proactive and Continuous AI Patient Monitoring**

VITALERTER is driving innovation in long-term care and telemedicine with an IoT sensor-based platform that allows ongoing, real-time monitoring of patients’ health data. The predictive platform generates instant alerts when a clinical event occurs, or vital signs deteriorate, enabling care providers to rapidly respond and improve outcomes.

VITALERTER predictive AI engine empowers nursing homes, hospitals and assisted living facilities to improve patient safety and quality of care, to reduce the number of critical events and hospitalizations and consequently allows huge cost savings to healthcare facilities.
VocalisTrack for Remote Detection of Shortness of Breath

VocalisTrack: A Voice-Based Tool for Remote Detection Shortness of Breath. AI-based software device that analyzes patients’ voice recordings:

- Passive using patient’s own voice
- Uses patient’s smartphone without additional hardware or physical examination
- Detects shortness of breath
- Displays daily comparison results on provider dashboard:
  1) worse or 2) improved or 3) no change

Bridges the gap between the patient and the healthcare system.

Video

www.vocalishealth.com
Self-tuned, affordable, multi-functional, personalized hearing products.

Due to the COVID-19 virus, lives of those with hearing disabilities (especially among the elderly) are even more difficult than usual. There is a greater reliance on mobile phones, video calls, and TV for social contact and news updates, while access to audiology services is restricted. Communicating with those wearing masks is frustrating and often futile. Our affordable, self-tunable hearing solutions provide timely relief for those struggling to hear better.
The World’s First VR/AR Telehealth Platform

Medical Virtual Reality Telehealth platform for ✔ Pain management ✔ Neck/shoulder/stroke rehabilitation ✔ Hot flashes/night sweats ✔ Stress/anxiety ✔ Memory decline.

Healthcare professionals get: advanced remote monitoring capabilities (including real-time), quantifiable data, valuable insights and the ability to customize treatment plans according to the patients' condition and progress.

Patients get: at home treatments, a variety of fun and engaging VR apps, real-time results, mobile app for performance monitoring and activity reminders.

Meditouch

www.XR.Health

Category: AR/VR Remote Treatment Web/Internet Solutions

Therapeutic Area(s): Rehabilitation Physiotherapy Neurology & Degenerative Disease Pain Management

Video

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Supply Chain Management

Hospital Infrastructure
Supply chain and data management in surgical rooms, using Snap & Go optical image recognition technology.

Patent-protected Snap & Go uses image recognition technology to record medical implants and consumables used during surgery. A staff member simply places the consumed item under the camera, and within seconds an image is captured, identified and routed through a global database and an advanced AI algorithm into the hospital’s EHR and billing software for reimbursement and charge capture. Unrecognized items are identified by LogiTag’s back-office team to maintain a consolidated hospital item-master.

www.logi-tag.com
Polytex offers reliable, industry-proven automated solutions for workwear. Management that reduces the risk of infection from contaminated items of clothing and prevents further germ and virus transmission. The system enables "hands free" delivery of hygienic workwear, available 24/7 and can be placed in multiple location throughout a hospital facility avoiding unnecessary crowding together of medical personnel.
Silbermann manufacture Oxygen & suction therapy equipment includes flowmeters, humidifiers, various standards of probes, Vacuum regulators, Vacuum generators, collection Jars and so on. In addition, Silbermann can manufacturer within a very short lead time Bed Head Units and related Medical Gas Pipeline systems for any wards, specifically now, for isolation wards of Covid19 patients.

All our products are CE marked for Medical Device Directive (93/42/EEC) by the German notified body TÜV-SÜD.
COVID-19 Pandemic Response

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