In this particular health context, French Healthcare Association offers to contribute to the inventory of French players (members and non-members of the association) with proven solutions that can be implemented in the management of the epidemic and the management of patients.

Objective: to have a global vision of the French response that can be mobilized in France and abroad. Last update : March 2021

This list of French healthcare companies is intended to be enriched. Feel free to send us your contribution : contact@frenchhealthcare-association.fr

Companies are classified by « profession »:

- P. 2: Vaccine and treatment (under development)
- P. 3: Diagnostic tests / research
- P. 7: Medical devices
- P. 10: Masks/personal protective equipment / thermal cameras
- P. 12: Medical imaging
- P. 14 : Sterilization / disinfection / biodecontamination, hydroalcoholic solutions
- P. 18 : Hospital waste management
- P. 20: Hospital air treatment / disinfection
- P. 23: Room and insulation equipment
- P. 24: Remote patients monitoring / teleconsultation
- P. 28: Professional apps
- P. 30: Transport / repatriation of patients
- P. 31: Medical furniture
- P. 33: Modular premises, mobile units
- P. 34: Hospital human resources / training

For each company, a short description provided by the company and contact details are available. Product documentation can be provided upon request.

French Healthcare Association

Vaccine and treatment

Sanofi Pasteur, Aseptic Services

Sanofi Pasteur, the global vaccines entity of Sanofi, will use its previous research on severe acute respiratory syndrome (SARS) to try to accelerate the development of a vaccine against COVID-19. To do this, Sanofi will collaborate with BARDA (Biomedical Advanced Research and Development Authority), which reports to the Office responsible for Preparations and Responses to Public Health Emergencies (ASPR, Office of the Assistant Secretary for Preparedness and Response) from the United States Department of Health, thus expanding the long-standing partnership that links Sanofi to this authority. Collaboration with BARDA will use proven DNA recombination technology from Sanofi to accelerate the development of a potential vaccine against COVID-19. https://www.sanofi.com/fr/media-room/communiques-de-presse/2020/2020-02-18-16-00-00

Sanofi Pasteur already shares its experience in vaccine research and development with CEPI (Coalition for Epidemic Preparedness Innovations). Sanofi and Regeneron will also test one of their rheumatoid arthritis drugs (Kevzara) as a potential treatment for coronavirus and launch clinical trials to determine if this treatment would treat symptoms of coronavirus infection.

Website : https://www.sanofi.com.
Contact: Philippe Maugendre, Government Relations Dpt,philippe.maugendre@sanofi.com

Aseptic Services : An independent pioneer of single-use solutions (Single-Use Systems) dedicated to bioproduction, we are specialists in sterile fluid transfer solutions in critical environments. We are now part of the EnPro Industries group, in the GHT division (Garlock Hygienic Technologies).
Our two complementary activities make us an experienced and recognized partner in the bio-production market, in particular: the design and manufacture of custom-made assemblies for single-use, ready-to-use, easily integrated into production units; a proven know-how of more than 20 years in the marketing of single-use components for a wide range of applications.
Our markets are the pharmaceutical and biotechnology industries in the following applications: vaccines, insulin-like injectable drugs, gene therapy, cell therapy. The major players in the pharmaceutical and biotechnology industries trust us. Considered a critical supplier, we need to maintain our business to provide the equipment needed to manufacture essential treatments for end patients. We currently prioritize all COVID-19 related customer orders.

Website : www.asepticservices.fr
Contact : marketing@asepticprocess.fr

French Healthcare Association

Diagnostic tests / research

Atothis, bioMérieux, Cerba Healthcare, DTF Medical, Eurobio Scientific, iLsa Diagnostic, Santé en entreprise, Soladis, Tronico

Atothis is the official distributor for France of the PrimerDesign diagnostic tests of the Novacyt group and of the CoVid-19 test for the detection of the SARS-COV2 coronavirus. This CoVid-19 test was designed to detect only the sequenced strains of 2019-nCoV that have been published and ignore the strains of other close coronaviruses such as SARS-CoV of the bat or MERS-CoV. It complies with the IVD directive 98/79 / EC and the ISO13485 standard.
In addition to its reliability and specificity, it has the advantage of being able to be shipped easily at room temperature and its lyophilized components have a shelf life of 18 months after its date of manufacture.

Contact: info@atothis.fr . Benjamin Ingrat, sales department: benjamin@atothis.fr . Valéry Périnet, Management: valery.perinet@groupe-antinea.fr . Jacques Petrequin, technical and commercial service: 06 88 85 31 09, jpetrequin@wanadoo.fr .

Cerba Healthcare has been able to carry out the COVID-19 diagnostic test in its biology laboratories since Monday March 9 with the support of the CNR of viruses responsible for respiratory infections of the Institut Pasteur (Paris) for the confirmation of positive cases . Together with its infectious biologists, Cerba has prepared notes and procedures that allow samples to be taken and samples to be delivered under optimal conditions.

Website: https://www.lab-cerba.com.
Contact: Stéphane Carré: stephane.carre@cerbahealthcare.com

bioMérieux has announced the upcoming launch of 3 tests aimed at responding to the epidemic of COVID-19 including:
- ARGENE® SARS-COV-2 R-GENE® test - Available from the end of March (having to rapidly benefit from a CE marking and going to be the subject of an emergency use authorization request from the American FDA). Can be performed by any type of laboratory using PCR techniques on most of the nucleic acid extraction and amplification platforms present on the market, it provides a result in 4 to 5 hours and makes it possible to test a large number of patients at a time.
- In parallel, development of a new fully automated test, using BIOFIRE® FILMARRAY® technology. With a result in about an hour, this test will be adapted to emergency situations of specific patient management.
- Finally, development of a new extended version of the BIOFIRE® FILMARRAY® RP2 respiratory panel which will integrate SARS-CoV-2 in addition to the 21 pathogens most frequently responsible for respiratory infections which it already allows to detect, in around 45 minutes.
These two BIOFIRE® tests will be submitted to the competent regulatory authorities in the 2nd and 3rd quarters of 2020 respectively.

In addition, bioMérieux markets EMAG®, a fully automated extraction platform for the purification of total nucleic acids from primary sample tubes. The extraction of genetic

material is the first step in any molecular biology test and this platform allows: a single, standardized workflow for all samples and a generic extraction for DNA and RNA nucleic acids which can then be used with any identification technique. In the particular case of the fight against the coronavirus, this test is the first diagnostic response to the epidemic by allowing the very first tests proposed by learned societies and other centers to be performed.

Website: www.biomerieux.com
Contact: Isabelle Tongio : isabelle.tongio@biomerieux.com

BIOTEM is a French company specialized in **immunotechnologies since 1980**. In the context of the Covid-19 epidemic, our teams have been and remain mobilized with health actors and researchers.
Designed in collaboration with a multidisciplinary team (CNRS-ENS Paris-Saclay and Bichat AP-HP Hospital), BIOTEM offers a rapid test for the detection of the virus responsible for COVID-19. By combining 2 robust and proven technologies: RT-LAMP (reverse transcription loop-mediated isothermal amplification) with Lateral Flow Immunochromatography, the test offers the sensitivity and reliability with the ease and convenient result visualization of rapid strip tests (such as pregnancy tests).

Website: www.biotem-antibody.com/products-biotem/ampliflow-covid19/
Contact: Jonathan Mayali : jonathan.mayali@biotem.fr

Cerba Healthcare has been able to practice the COVID-19 diagnostic test in its biology laboratories since Monday, March 9, with the support of the CNR des virus responsables des infections respiratoires de l'Institut Pasteur (Paris) for the confirmation of positive cases. Together with his infectious biologists, Cerba has prepared notes and procedures that allow samples to be taken and transported under optimal conditions.

Website : www.lab-cerba.com
Contact : Stéphane Carré : stephane.carre@cerbahealthcare.com

DTF medical & **Biospeedia** provide healthcare professionals, companies and communities with a rapid nasopharyngeal antigen test " Made in France "(Covid-19).

A partnership at the heart of the local French health ecosystem (Loire - France)

Designed and developed by Biospeedia, a spin-off of the Pasteur Institute based on the Health Innovations Campus of the city of Saint-Etienne ; produced at the Lyon site of the Delpharm group, a major player in pharmaceutical subcontracting; this test is distributed by the company DTF medical, a specialist in the distribution of medical devices.

A fast and reliable diagnostic test :
Beyond the similarity with PCR tests, antigenic tests for the detection of SARS-CoV-2 (Covid-19) are less expensive and faster, offering a result in less than 15 minutes. They are intended for use by professionals as a screening test and as an aid in the early diagnosis of active infection with SARS-CoV-2. Convenient to use, they do not require additional equipment and can be performed in general medicine. This test is officially listed by the French Ministry of Health.

A partnership which allows the French health system to have a nasopharyngeal antigen test "made in France", in support of the government actions to fight Covid-19 "Test - Alert - Protect". "

Website : www.dtf.fr
Contact : Grégoire Lerouge glerouge@dtf.fr

Eurobio Scientific offers its range of tests:
-EurobioPlex SARS-CoV-2 Multiplex PCR in Real Time (Eurobio Scientific, France): kit of RT-PCR Multiplex, for the detection of the N gene and two fragments of the RdRp gene. Results in less than 1h30.
-Seegene (RT-PCR kit), AllPlex nCov assay (Seegene, South Korea): Seegene: Real-time Multiplex RT-PCR kit for E, N and RdRp gene detection. Results 1h30 approx.
-Maglumi 2019 nCov IgG and IgM (SNIBE, China): kit for quantitative detection of chemiluminescence type G or M antibodies, adaptable to all automata of the Maglumi range
-WANTAI SARS-CoV-2 Ab ELISA (Wantai, China): kit to detect total antibodies from plasma or serum samples. Results in 1h15.
-WANTAI SARS-CoV-2 IgM ELISA (Wantai, China): Type M immunoglobulin detection kit from plasma or serum samples. Results in 1h15.
-WANTAI SARS-CoV-2 Ab TDR (Wantai, China): total antibody detection kit from total blood, plasma or serum samples. Results in 15 minutes.

Website : https://www.eurobio-scientific.com
Contact : Denis Fortier : d.fortier@eurobio-scientific.com

iLsa Diagnostic, for the conservation of human samples at -80 ° C as part of epidemiological studies related to COVID-19, makes available its R&D department to adapt its NEO® Sample Management aliquot robot to the vials and collection tubes COVID-19 samples. iLsa Diagnostic thus contributes to guaranteeing total security in the preservation and storage of samples and absolute traceability with all patient data and freezer management. iLsa Diagnostic is the designer and manufactures storage instruments and microplates in its factories in France.

Website: http://ilsa-diagnostic.com/index.php/en/sero-en
Contact: Alain Pacoret: aepacoret@gmail.com

Santé en entreprise (SEE) already uses a solution in Ivory Coast (connected teleconsultation case) which allows for multi-disease screening (HIV, viral hepatitis, diabetes, hypertension). With a group of partners (AlloDocteurs, TC4A, SD Biosensor, Orange ...), SEE is implementing the "COVID-19 Mobile Lab", a suitcase for detecting COVID-19, making people aware of barrier gestures and enabling them detect symptoms from their mobile phone, quickly train local teams of health professionals in diagnosis, equip them with teleconsultation bags for home screening, refer suspected cases to confirmation if necessary (PCR lab test).

Website: http://www.see-global-network.international .
Contact: Erick Maville emaville@santeenentreprise.com

Soladis is a service company specializing in the analysis and enhancement of health data. In order to support the actors of Health in the urgent steps in connection with the COVID-

19: pharmaceutical laboratories, biotechs, medtech, DTx… Soladis provides its bioinformatics, biostatistics and data sciences teams for the analysis of health data in link with COVID-19 allowing a better understanding of the disease and the effectiveness of associated treatments (preclinical, clinical, epidemiological data, etc.), allowing its better diagnosis, prognosis, or classification of patients at risk for personalized and personalized approaches. 'emergency (construction of algorithms).

Website: www.soladis.com
Contact: Anthony Perrussel: aperrussel@soladis.fr

TRONICO specializes in the design and manufacture of complex electronic products for demanding markets to third parties or its own trademarks. As part of the pandemic, TRONICO supported its sister company SkillCell in the development and sale of the EasyCOV salivary test solution. This integrated solution (test + implementation device + application) is approved and reimbursed in France and is used both domestically and abroad.
TRONICO markets this solution under the trademark TAME-CARE.
The EasyCOV solution has 5 advantages: performance equal to the best PCR tests (sensitivity 86%, specificity 99%), speed of implementation (40 min), comfort for the user (salivary sampling), mobile implementation (relocation on site) and robustness in the face of virus variants. It also lends itself very well to field use and in the management of the flow of people to be tested.
EasyCOV is part of the strategy of the government and local governments (regions, department) to mass test, as close as possible to the field.

Websites: www.tame-care.com, www.tronico-alcen.com
Contact: Yann Pichot, Business Unit Manager: 06 78 58 44 43, ypichot@tronico-alcen.com

French Healthcare Association

Medical Devices

Air Liquide Medical Systems, Atlas Copco France, Axe life, Cahouet, Europe Endoscope, Germitec, Novair, Physioflow, Technologie médicale, VLAD

Air Liquide Medical Systems is the Air Liquide Healthcare subsidiary dedicated to Medical Devices. The company designs, manufactures and markets innovative products in three areas: ventilation (ventilators and patient interfaces for intensive care, emergencies, transport, home), equipment for medical gases and aerosol therapy.
In the context of the Covid-19, the teams are very strongly mobilized, in particular in the manufacturing of respirators to meet needs in France and abroad.

Website: www.device.airliquidehealthcare.com
Contact: Nelly Santa Jorge - nelly.santajorge@airliquide.com

Atlas Copco France has been serving all key sectors of industry since 1947. We want to make our experience and strength of our structure available to the medical field during this crisis. Our company, which has an international reach, will be able to accompany you locally thanks to 34 authorized distributors spread throughout the territory.
Our compressed air, oxygen generation solutions are available to meet the needs of hospitals or clinics. We carry on producing oxygen generators in order to meet immediate demand. Our activities are federated by a common ambition: to offer the best choice, in terms of technology and service (100 technicians in France); to privilege reliability, economy of operation and respect for the environment.

Website : www.atlascopco.com/fr-fr/compressors/industry-solutions/medical-industry
Contact : Jérôme Garrot : Jerome.garrot@atlascopco.com

Axelife is a French company which develops, produces and markets pOpmètre.
pOPmètre is a class IIa medical device that measures pulse wave velocity in 20 seconds. The PWV is a recognized marker of cardiovascular risk and its variation will give the possibility to detect and follow the most at risk covid 19 patients and thus facilitate the management in hospitals & Ephad.
Its variation is an indication of aggravation. The latest research shows that the risk of death was about 80% higher with patients with hypertension.
Axelife was part in july 2020 of the fund to support covid-19 research & innovation by Nantes metropolis.

Website : www.axelife.fr
Contact : Valérie Sauviat valeries@axelife.fr

Cahouet has been a French manufacturer for more than 100 years of gas regulation equipment and in particular medical devices that allow the safe supply of medical gases to patients, essential for respiratory treatments and oxygen therapy linked to COVID-19. Two ranges of Cahouet medical devices are currently essential for hospital staff: -The flow: flowers and flow meters that can connect to medical sockets or bottles, for the administration of oxygen (oxygen therapy), medical air or the N2/NO gas mixture (allowing vasodilation of the lungs and improving tissue oxygenation). Cahouet also distributes low-pressure hoses, essential elements for connecting respirators to gas networks. -Relaxation equipment for medical gas networks: various high-pressure regulators installed according to medical standards (ISO 7396) allowing the rapid and secure installation of a network providing uninterrupted gas medicine. This equipment is currently essential for field hospitals and for increasing oxygen capacity in high-demand hospitals.

Website: www.cahouet.com
Contact: Louis GORAND commercial@cahouet.com

Europe Endoscope, another subsidiary of the AMW group, specializes in the repair and sale of flexible endoscopy equipment of different brands. The company offers numerous devices such as bronchoscopes that allow visualization of the interior of the bronchial tree and thus facilitate access to peripheral lung regions for effective diagnosis in people with COVID-19Thanks to our expertise in the field of endoscopy, we are able to respond to all requests to help caregivers continue their various hospital activities

Website : https://amw-health.com/europe-endoscope/
Contact : Amaury MASBERNAT - a.masbernat@amw-health.com

Germitec designs, manufactures and markets medical devices allowing UV-C disinfection of ultrasound probes (external and internal vaginal, rectal, transesophageal). It is a high level disinfection, effective against Spores, Mycobacteria, Non - enveloped viruses (norovirus), Fungi (Candida), Vegetative bacteria (MRSA, VRE) Enveloped viruses. The advantage of this solution in particular in this context of health crisis linked to COVID-19 is that it is quick and simple. By pressing a single button, a probe is disinfected in 90 seconds. Thus, the risk of virus transmission between each patient is greatly reduced, without disrupting the workflow of the medical staff.

Website: https://www.germitec.com/en
Contact: Christophe Hammer, c.hammer@germitec.com

Novair designs and manufactures systems for the production, distribution and monitoring of medical gases, including medical oxygen generators for the oxygen supply of health facilities. The generator allows the production of medical oxygen on the hospital site, on demand, from the environment. It relies on a proven technology, PSA (Pressure Swing Adsorption), which consists of a separation of gases from the air through a molecular sieve capable of adsorring nitrogen under pressure. The oxygen produced is registered with European pharmacopoeia and complies with therapeutic requirements in hospitals. This solution has multiple advantages for the Hospital, especially in times of health crisis such as that of COVID-19: autonomy and an end of logistical constraints: the Hospital becomes its own supplier of medical oxygen and no longer depends on the ability of an external supplier to deliver it; Reduced operating costs: The Hospital produces only the oxygen it needs and is free of any supply contract and the transport and rental costs involved; Enhanced safety: more heavy cylinders to handle, more storage of hazardous or

pressurized fueling gases, and reduced environmental impact: no more comings and goings of polluting trucks needed to deliver oxygen.

Website: www.novairmedical.com
Contact: Valérie Bokobza, valerie.bokobza@novair.fr

Physioflow offers cardiac output monitoring systems to increase existing capacities in hemodynamic monitoring and volume management, essential in the management of patients with acute respiratory distress syndrome (ARDS). They are completely non-invasive (6 chest electrodes), miniaturized, small and light, cordless for some of them, reliable and easy to use. The patient cords are treated with a bioactive component limiting the survival of the germs on their surface. Our systems also make it possible to quickly and simply assess certain key elements of the patient's cardiac function (systolic, diastolic insufficiency, etc.), especially in a context of tension in medical teams and reduced availability of sonographers. This could prove essential in the current crisis if the teams are saturated. Also, for the evaluation and monitoring of infected patients, hospitalized, but not yet in critical condition, the device allows early information on the deterioration of cardiac parameters for patients whose condition is worsening. Their employability was briefly tested during medical transport by helicopter and ambulance.

Website: www.physioflow.com
Contact: Frank Bour : f.bour@physioflow.com

Technologie Médicale, specializing in oxygen therapy and aspiration for 40 years, is at the heart of the oxygenation and resuscitation treatments of COVID-19 and is committed to equipping all University Hospital Centers (CHU) with flowmeters and flexible to oxygenate their patients in respiratory distress and also in vacuum regulators to de-clutter patients with bronchial secretions in order to facilitate their ventilation. Very much in demand, Medical Technology designs and manufactures its medical devices in France, which guarantees perfect control of product quality. This strategic choice makes it possible to respond, with responsiveness and adaptability, to the current emergencies of French hospitals.

Website: www.technologiemedicale.com.
Contact: Serge Itzkowitch : s.itzkowitch@technologiemedicale.com

VLAD is a human-sized medium size company. Its know-how in the field of autonomous energy makes it the reference, in France, in terms of medical & industrial batteries. The expertise and quality of its products are recognized worldwide, with more than 75 countries addressed in 2020.
The 100% French design and manufacture of the products, are a guarantee for its customers of a very high reactivity and a total control of all the processes, from the initial project to the delivery.
Furthermore, VLAD is the only market player in France with triple ISO certification for all its activities (ISO 13485:2016 – ISO 14 001:2015 – ISO 9001:2015).
In the context of COVID-19, VLAD has tripled its production of respirator batteries to support the national effort as part of the French industrial consortium. As a reminder, the objective is to provide an additional 10,000 respirators to French hospitals by mid-May.

Website : : www.vlad.fr
Contact : Jean-Louis Jarry jl.jarry@vlad.fr Clémence Lecomte c.lecomte@vlad.fr

French Healthcare Association

Masks / Personal Protective Equipment / Thermal Cameras

Aden, Emball'Iso, Eurofeu, GemOptics, Icare, Impeto Médical, Objetdomotique, Special'Eyes

Aden is a French company specialising in high-tech facilities management, based in Shanghai, mainly operating in China, ASEAN and Africa. With 25,000 people present in 80 major cities in China, its action has been/is strong in the fight against the coronavirus. Supply of masks, especially in high volume, thanks to Aden's unique sourcing capabilities.

Contact in France : Didier Carraud, C3Medical : d.carraud@c3medical.com

Emball'Iso produces a protection solution for pharmacies distributed by INAP and RAJA in particular. These protective screens on counters contribute to the success of social distancing strategies. Here are some features: easy to install, easy to clean, less than 500 grams, protects from moisture and postillons, white foam cardboard frame, absorbs shocks very well.

Website : https://inapa.fr/
Contact : Florence Lehec, f.lehec@emballiso.com

Le Groupe EUROFEU supports you in the implementation of «body temperature measurement» solutions that will play an essential role in limiting the spread of the virus by immediately isolating all people with an abnormal temperature. The use of Thermal Cameras allows an immediate analysis up to 30 people simultaneously and without human proximity. They are equipped with Artificial Intelligence for high measurement accuracy.There are different ranges depending on the situation: portable, tripod or wall mounted. Whether the analysis is collective, individual or self-monitoring, the cameras meet all your requirements. Our technicians in compliance with our BCP and our specific field response protocol are able to respond to all installations in an emergency.

Website : www.eurofeu.fr/eurofeu-services/metiers/materiel-de-secours/nos-gammes/les-cameras-thermiques/descriptif.html
Contact : Carlos NABAIS cnabais@eurofeu.fr

GemOptics was born in 1978 in Oyonnax, the birthplace of plastic eyewear in France. GemOptics has expanded its product offering over the years and also offers EN 166-compliant goggles. GemOptics is fully managed from Oyonnax, its historic headquarters in the Jura Mountains.

Website : www.gemoptics.fr
Contact : contact@gemoptics.fr

Icare developed a fast and reliable test to evaluate the performance of surgical masks and filter masks. Filtration efficiency is assessed by measuring penetration into the filter media of a polydisperse aerosol. Six different particle sizes are measured in order to evaluate both the protection of the immediate environment of the wearer (role of a surgical mask), and the protection of the wearer vis-à-vis a contaminated environment (role of a filter mask against particles such as FFP2 or FFP3). In accordance with NF EN 14683 (2019) Medical Masks – Requirements and Test Method, the particle size of 3 µm was selected to assess the environmental protection performance. The expected level is a filtration efficiency greater than or equal to 98% (type II medical mask). In accordance with NF EN 149+A1 (2009) Respirators- Half-mask particulate filters – Requirements, tests, marking, the particle size of 0.3 µm has been chosen to assess the protection performance of the wearer. The expected level is a filtration efficiency greater than or equal to 99% (half-mask FFP3, paraffin oil test). The simultaneous measurement makes it possible in a single test to measure the protection efficiency in both directions.

Website : www.groupeicare.com/en
Contact : Christian Poinsot christian.poinsot@laboratoireicare.com

Impeto Médical is a French company, founded in 2005, based in Paris and having a subsidiary in China for many years. We develop and market innovative medical devices worldwide, in particular Sudoscan, indicated in the monitoring of complications of diabetes and the diagnosis and monitoring of neuropathies. In view of the widespread shortage of protective masks currently suffering our country, we have decided to contribute to the collective effort by setting up a channel to import masks to French territory from our Chinese subsidiary. We are currently able to offer large quantities of surgical masks and FFP2 marked CE with very competitive delivery times to France.

Website : www.impeto-medical.com
Contact : Jean-Louis Benezeth : jean-louis.benezeth@impeto-medical.com

Objetdomotique, French company specialized in warning processes, accompanies the establishments in the implementation of solutions to ensure the safety of everyone. In order to limit the spread of Covid-19 in LES and businesses, Objetdomotique offers body thermal fever cameras. They are fast and reliable, making it easy to detect people with fever as soon as they enter the establishment in order to take the necessary measures immediately and thus avoid the total quarantine of the site. This range of thermal cameras adapts to the needs, size and budget of each structure.

Website : www.objetdomotique.com
Contact : Francesca Peyrot : francesca.peyrot@gmail.com

Special'Eyes, company specializing in the development and manufacture of collection of optical, solar and protective glasses, is based in Lons Le Saunier. It offers protective glasses in polycarbonate and PVC/glass in PC, with CE marking.

Website : www.specialeyes.fr
Contact : contact@specialeyes.fr

French Healthcare Association

Medical imaging

AdEchoTech, Biokera imaging, DMS Imaging, Guerbet, Sonoscanner, Stephanix

AdEchoTech develops the "Melody" telemedicine tele-ultrasound system, a telemedicine technique that allows an expert to perform an ultrasound on a distant patient (several hundred kms) under technical conditions and responsibilities very close to a conventional ultrasound. This technique makes sense in the face of the challenge of combating the covid-19 virus, by allowing in equipped places to establish an additional barrier to the spread of the virus: either by protecting isolated patients (EPHAD, prisons, isolated centres ...) by avoiding moving them, thus keeping them at a distance from the risks of contamination; either by allowing the expert to intervene and bring his expertise in remote locations to contaminated or un contaminated patients thus protecting the expert from possible contamination; Finally, the Melody device also enables the mobilization and use of quarantine experts or the support of experts from other regions since they do not need to move. Melody tele-ultrasound can be used in most ultrasound disciplines (abdominal, urological, pelvic, obstetrical, cardiological, thoracic, doppler...).

Website: http://www.adechotech.com .
Contact: Philippe Homsi : p.homsi@adechotech.com

Biokera imaging, subsidiary of the AMW Group, specializes in the sale of reconditioned and brand new ultrasound systems. The company provides numerous ultrasound systems for all specialties, including lung and cardiac assessment of patients with or suspected of COVID-19. Biokera imaging also offers a wide range of probes for all types of applications. In this context of crisis, we are mobilized to support the healthcare system both in France and abroad.

Website : www.biokera.eu/ & amw-health.com/
Contact : Amaury MASBERNAT - a.masbernat@amw-health.com

DMS Imaging specializes in conventional radiology. It is able to provide medical imaging solutions for monitoring pulmonary pathologies through its solutions for remote-controlled radiology rooms, lung bone rooms, and mobile emergency radiology rooms. It offers a local technical service in France and abroad.

Website: www.dms-imaging.com
Contact: Samuel SANCERNI: ssancerni@dms-imaging.com

Guerbet, the world leader in medical imaging, remains fully engaged. Guerbet develops and produces contrast products used for diagnostics in medical imaging, including X-ray scanners and MRI scans. Guerbet also develops products used in interventional imaging. As part of the Covid-19 epidemic, iodized contrast products are used to track patients with worsening clinical signs. A chest scan with contrast product injection, with a usual iodine

concentration (350 mg/mL), is then performed to look for worsening lesions or a complication such as pulmonary embolism or pneumothorax.
Guerbet's teams are fully mobilized to continue the production of these essential products to healthcare professionals and patients.

Website: www.guerbet.com
Contact: claire.durand@guerbet.com

Intrasense develops and markets a unique medical device named Myrian®, a software platform facilitating and ensuring diagnosis, decision-making and therapeutic follow-up. Thanks to Myrian®, more than 1000 hospitals and clinics spread over 40 countries use a unique and integrated platform supporting all types of imaging modalities (MRI, scanner...). Enriched with expert clinical modules dedicated to specific pathologies and organs, Myrian® provides a universal medical image processing solution which can be fully integrated into any healthcare information system. In the context of the pandemic Intrasense has developed a solution dedicated to the scanner management of COVID-19.The solution allows to provide automatically and intuitively an objective measurement of damage and lung reserve available in patients, thus allowing extremely rapid patient management. This new protocol is CE certified and FDA approved as a medical device.

Website: www.intrasense.fr
Contact: jerome.kammer@intrasense.fr

Sonoscanner, French manufacturer of ultrasound scanners, is particularly involved in the fight against COVID-19 alongside doctors. During the first wave of the epidemic, Sonoscanner equipped more than 100 hospitals with ultra-portable ultrasound scanners so that they could immediately diagnose each patient's lung condition and refer them quickly. Drawing on months of experience in hospitals and emergency departments, Sonoscanner offers a simple and perfectly adapted package in terms of hardware configuration and services. You can choose from 3 configurations to be fully operational very quickly. The proposed price list offers carefully studied and particularly advantageous conditions. An ultrasound specialist will help you and assist you through the installation process. At any time, we will answer your questions and coordinate with you the installation procedures that best suit your needs.

Website : www.sonoscanner.com
Contact : Roland Lafore, Export Manager. R.lafore@sonoscanner.com - + 33 7 67 85 29 65

Stephanix has been specializing in medical imaging for thirty-five years. We meet the needs of the radiology units of hospitals, clinics and practices, including solutions in conventional and digital radiology such as: remote-controlled tables, mobile radiology, bone-lung rooms, surgical hoops, and many other equipment. Manufacturer of remote-controlled tables, we design, develop and manufacture our products in France.
In the context of COVID-19, our sales, technical and support teams are more than ever mobilized to meet the needs at the national level as well as for our distributors for export, on all our products.

Website: www.stephanix.com .
Contact: Yannick Chapotot: ychapotot@stephanix.com

French Healthcare Association

Sterilization/disinfection/ bioremediation/ hydroalcoholic solutions

Aden, Alkapharm/Sodel, Atalian, Bioquell, Deppik, Franklab, Impeto Médical, Oxy'Pharm, Sanivap, Steam France, 3ML

Aden is a French company specializing in facilities management high-tech, based in Shanghai, operating mainly in China, ASEAN and Africa. With 25,000 people in 80 major cities in China, its action has been/is strong in the fight against coronavirus. Offers the supply of masks especially in large volume, thanks to Aden's unparalleled sourcing capabilities.

Contact: Didier Carraud, C3Medical: d.carraud@c3medical.com

Alkapharm/Sodel has comprehensive hygiene and disinfection solutions and offers a comprehensive service, ranging from identifying problems on the ground to implementing appropriate solutions. A French company (Lisieux, Normandy), Alkapharm/Sodel has been formulating, manufacturing and selling its products in healthcare facilities in France and around the world for more than 30 years. We are now working with health care workers to help them disinfect instruments, equipment and the environment. Find the list of Alkapharm products active on coronavirus: http://www.alkapharm.fr/medias/documents/actus/flyer-recommandations-produits-coronavirus-fr-160.pdf

Website: http://alkapharm.fr/en/
Contact: Pierre-François Lebart: pierrefrancois.lebart@alkapharm.fr

Atalian, through its Health & Ultra-Cleanliness Markets Department and its seven experts spread throughout France, Atalian guarantees its customers the control of contamination through several businesses in the Health sector: biocleaning, internal waste collection, hotel services and related services. Today, as for several weeks, our operational teams are working in hospital facilities, particularly in Covid-19 rooms, applying the methods validated with the hygiene teams at each facility. Active daily with our clients, across all sectors during this pandemic, our experts (including some ASPEC members) and our QSE support our operational teams in implementing our specially developed Covid-19 service offering. This offer clearly expresses the methods to be deployed in case of prevention, disinfection or decontamination.

Website : www.atalian.fr
Contact : Clémence Lebeau-Giroud, clemence.giroux@atalianworld.com

Bioquell has a complete range of solutions dedicated to the control of contamination, allowing its customers to ensure a total security of their process, improve their productivity and meet regulatory requirements. To respond to emergencies and the Covid-19 outbreak, Bioquell offers a customized bio-decontamination service for all types of facilities and

volumes. Our technology of bio-decontamination by hydrogen peroxide vapour removes microorganisms on all exposed surfaces and is effective on Coronavirus (Coronavidae family see effectiveness list). Bioquell has already intervened worldwide on this type of contamination (SARS, MERS-Cov,...), or other such as Ebola and is currently responding to the COVID-19 outbreak. Here is our list of microbiological efficacy (http://bioquell.tecture.net/wp-content/uploads/2017/08/BIOQUELL-EFFICACY-DOCUMENT-BQ001-MKT-011-FR.pdf) and a video of our customized bio-decontamination service (https://youtu.be/zlKdcirXKoU).

Website : www.bioquell.com
Contact : Benjamin Morel benjamin.morel@bioquell.fr

Deppik offers solutions to control biological contamination regardless of health risk and level of containment. Our regular customers are industrialists (pharmaceuticals, cosmetics and agri-food), research laboratories (P2, P3) and zootechnical units. In the context of COVID19, we offer our expertise to health facilities and other priority activities to enable them to continue their business or increase their reception capacity via: disinfection of surfaces by air with report emission for volumes of up to 500,000m3; intervention in France as a whole; profile of stakeholders: Biologists, chemists (15 years of seniority). Deppik is a member of ASPEC, AFSTAL and is an active member of the AFNOR S95R committee of expertise - "Sterilization, disinfection and sterilizers". In addition, we offer for sale equipment (and necessary disinfectants) allowing the structures to be autonomous in disinfecting small volumes (200m3).

Website: www.deppik.fr
Contact: covid19@deppik.fr

Franklab is a French manufacturer based in the Paris region, for more than 40 years of hygiene and disinfection solutions for hospitals in France and abroad. Franklab provides you with a comprehensive solution in controlling infectious risk through broad-spectrum antimicrobial disinfectant detergents to help you in the fight against COVID-19. Disinfectant detergent sprays and wipes are recommended for cleaning and disinfecting surfaces in health structures.

Website: www.franklab.com
Contact: vanessa.rey@franklab.com

Impeto Médical is a French company, created in 2005, based in Paris and having had a subsidiary in China for many years. We develop and market innovative medical devices worldwide, in particular Sudoscan, indicated for monitoring diabetes complications and diagnosing and monitoring neuropathies. In view of the general shortage of protective masks from which our country is currently suffering, we have decided to contribute to the collective effort by setting up a channel to import masks to French territory from our Chinese subsidiary. We are in fact currently able to offer large quantities of CE marked FFP2 surgical masks with very competitive delivery times to France.

Website: www.impeto-medical.com
Contact: Jean-Louis Benezeth: jean-louis.benezeth@impeto-medical.com

Oxy'Pharm offers an effective and biodegradable disinfection solution to fight against all infections and contaminations in the health sector.
Aware that health care institutions are facing health problems that create a feeling of insecurity among healthcare staff and powerlessness towards their patients, Oxy'Pharm is committed to help professionals in the best possible way by offering an automated concept for the bio-disinfection of surfaces certified NF T72-281 and EN 17272: NOCOTECH, a dry diffusion system coupling NOCOSPRAY device and NOCOLYSE liquid product, with a complete spectrum of effectiveness: bactericidal, fungicidal, sporicidal and virucidal (including coronavirus).
The treatments are biodegradable, have no impact on electronic equipment and are harmless to health. For overworked and time-consuming healthcare staff, the practicality of using NOCOTECH tends to facilitate hygiene processes in healthcare institutions and thus relieve its users while guaranteeing optimal disinfection efficiency.

Website: www.oxypharm.net
Contact: Romain Rouleau - romain.rouleau@oxypharm.net

Sanivap : With more than 15 years of experience, Sanivap is today the leader and the undisputed reference in the field of bio-steam cleaning in the health sector.
Faced with the epidemic crisis we are going through, SANIVAP wishes to make its contribution to the fight against infections and contaminations in health establishments by offering a steam treatment certified NF 72-110 effective against bacteria, yeasts, fungi, spores and viruses (including coronavirus).
The treatment is based on a steam generator with a water injection or with a hydrogen peroxide solution which allows the removal of biofilm and complex stains thanks to a steam system at a stable and controlled temperature throughout the tasks to be carried out. The action of the steam allows the detergency and disinfection of surfaces in a single pass. This combination saves valuable time and simplifies the hygiene process.

Website: www.sanivap.fr
Contact: Romain Rouleau - romain.rouleau@oxypharm.net

Steam France is positioned throughout the sterilization value chain, in the field of Hygiene, Disinfection and Sterilization, and has been offering: The sale and installation of equipment (including sterilization, disinfection and destruction of infectious waste equipment), software (Supervision and Traceability) and new and used Medical Devices (DM), as well as their spare parts, consumables and accessories. The sale and execution of all services relating to the operation of equipment of all brands (installation, maintenance, metrology and regulatory and regulatory controls, evolution, moving, scrapping).The sale of multi-brand maintenance programs adapted to operational constraints and the completion of preventive and curative maintenance services The sale and implementation of technical and functional training services, as well as support for the implementation and design of the Central Sterile Services Department (CSSDs).

Website: www.steam.fr
Contact: contact@steam.fr

The 3ML company manufactures a single dose of hydroalcoholic lotion scented with essential oils and skin-protective for the hands. This lotion combines high perfumery requirements and a biocidal product. The formulation designed by a master perfumer has been validated by a French laboratory for the performance of biocidal tests: bactericide

standard EN 13727, fungicide standard EN 1650 and virucide standard 14476 + A2. The single-dose packaging is made from biodegradable and recyclable materials according to EN 13432 standards in accordance with the principles of sustainable development. The lotion is made in Annecy in France. In the format of a business card, the single-dose fits everywhere: very practical for men who can put it in their wallet or pocket and very practical for women because there is no risk of the single-dose being pours into their bag.

Website : www.3ml.fr
Contact : Thierry.bride@3ml.fr

French Healthcare Association

Hospital Waste Management

Bertin Technologies, Ecodas, STCF Equipements, Tesalys

Bertin Technologies has developed the Sterilwave solution developed for the in situ treatment of coronavirus-contaminated waste, selected by China for hospitals in the Wuhan region. In February 2020, the Chinese Ministry of Health confirmed the acquisition of 20 Sterilwave routine stations to equip the main hospitals in the Wuhan region. These ultra-compact, innovative equipment, which has been proven to be effective in inactivation on viruses, can treat hospital waste at potential infectious risk with coronavirus (2019- nCoV) directly on site and therefore eliminate any risk of contamination outside the hospital.

Website: www.bertin-medical-waste.com.
Contact: Aurélien Bataille: aurelien.bataille@bertin.fr

Ecodas has developed a patented, innovative and fully automatic process that grinds and then sterilizes infectious risk care activities (DASRI) with water vapour. This process combines grinding and sterilization in the same closed and compact enclosure. Sterilization takes place after grinding, at high temperature (138oC) and under high pressure (3.5 bars); without intermediate handling of waste. In such thermal conditions, no pathogenic microorganisms are resistant. The final product is therefore made up of sterilized grinders similar to Household Garbage (OM) that can join the urban waste sector. In addition, the initial volume of waste is reduced by 80%.

The ECODAS process is designed for all types of DASRI, solid or liquid, such as syringes, needles, plastics, glasses, unwoven textiles, tubing, hemodialysis filters and petri dishes. The ECODAS process is aimed at all structures producing or managing DASRIs: public and private hospitals, laboratories and service providers.

Website: www.ecodas.com
Contact: Jeff Squalli: j_squalli@yahoo.fr

STCF Equipment offers turnkey solutions for the management of hospital liquid waste. The hospital, through its activity, generates waste that is at risk to the environment and the health of others. To meet this need for public, social and environmental order, STCF Equipment markets and installs treatment plants for hospital effluents. Whether they are bacteriological, infectious, radioactive, high temperature, but also NRBC effluents in the context of white plane in particular. Thus, to control the risk of contamination of such effluents from the various hospital wards, isolation rooms or decontamination showers; our treatment plants, consisting of collection tanks and an automated management system, disinfect and neutralize wastewater before joining the common drainage system. Our solutions adapt to the needs of each customer, the infrastructure constraints that are required, and above all to the regulations in place.

Site: https://www.stcfequipements.com/.
Contacts: Pascale Lepage lepage@stcfequipements.com and Magali Cordeiro cordeiro@stcfequipements.com

Tesalys is a French manufacturer of systems for the on-site crushing and sterilization of infectious risk waste (DASRI). With a range of equipment to treat 5 to 100 kg/h, the TESALYS STERIPLUSTM and STERISHRED systems® are particularly compact, autonomous and ergonomic, allowing rapid deployment in medical centers, hospitals and clinics of all sizes, laboratories, hemodialysis centers... TESALYS also offers a full range of bioseathy risk control products including TESABOX and TESABAG infectious waste packaging, cryogenic waste storage units, and TESATRUCK mobile treatment units.

Website: www.tesalys.fr
Contact: Miquel Lozano: miquel.lozano@tesalys.fr

Hospital Air Treatment/Disinfection

Airinspace, ATA Medical, Azelies, Bioquel, Calistair, NatéoSanté, Mercate, Partnering Robotics, Quasar Concept

Airinspace® is a French Company based close to Paris. We develop, manufacture and sell high-quality air purifiers and automated surface disinfection systems for hospitals. Our products are labelled Origine France Garantie and are present in most University hospitals in France and more than 50 countries all over the world.

airinspace® air purifiers are :

- Powerful: With a flow rate up to 2,500 m3/h, they decontaminate small and large spaces and quickly reduce the airborne contamination to protect people.
- Efficient: They embed a patented technology based on microorganisms destruction associated with H14 HEPA filtration killing bacteria and virus like SARS-COV-2.
- Quiet: airinspace®'s technology is advanced explicitly in the area. At the hospital, our units are present in patients room 24h/24 & 7d/7 and shouldn't disturb nor keep patients from resting and recovering.
- Mobile: They are easy to move and to install in any room without any structural work.

Website: www.airinspace.com
Contact: Stéphane Chatenet: stephane.chatenet@airinspace.com

ATA Medical produces the dopair, Room dopair, Multizone dopair, ISOLAIR Isolation Tents and CTMP immunosuppressed patient boxes. Our units are currently delivered to more than 35 countries in the fight against COVID 19. Our units are used in isolation rooms, resuscitation and intensive care etc by their ability to treat large volume. Our technology is a combination of Hepa 14 filtration and decontamination via photocatalysis or Bioxigen with excellent results on microorganisms such as Viruses, Bacteria and Spores. `

Website: https://www.ata-medical.com.
Contact: Boris Ebrahim b.ebrahim@ata-medical.com.

Azelies distributes Novaerus air disinfection and decontamination equipment. Novaerus' patented plasma technology has been tested by NASA's Ames Research Center. Its action allows an ultra-fast elimination of airborne pathogens, bacteria, mould spores, particles, allergens and odors, but especially in this time of crisis, viruses. Novaerus plasma technology has been tested against the bacteriophage MS2, a substitute for SARS-CoV, demonstrating that this equipment reduces the airborne viral load by 99.99%. Designed to quickly address a high risk of infections, both mobile and lightweight, Novaerus air treatment equipment is relevant in operating rooms, intensive care units, dental treatment rooms, care homes or nurseries.

Compliant and certified, clinically validated, Novaerus equipment is used continuously and safely in the patient and staff environment to eliminate airborne contamination. They are trusted by hundreds of health care institutions around the world. For example: 14 NV800

devices were installed by the Dunkirk Hospital at the end of March 2020, in the rooms of patients with COVID-19.

Website : https://azelies.com
Contact : Louise Lepers : louise.lepers@azelies.com

Bioquell has a full range of solutions dedicated to contamination control, ensuring its customers complete security of their process, improving their productivity and meeting regulatory requirements. In order to respond to emergencies and the Covid-19 outbreak, Bioquell offers its bespoke bio-decontamination service suitable for all types of facilities and volumes. Our hydrogen peroxide vapor bio-decontamination technology eliminates microorganisms on all exposed surfaces and is effective on Coronavirus (Coronavidae family see efficacy list). Bioquell has already intervened around the world on this type of contamination (SARS, MERS-Cov,...), or other such as Ebola and is currently involved in the COVID-19 epidemic. Here is our list of microbiological efficacy (http://bioquell.tecture.net/wp-content/uploads/2017/08/BIOQUELL-EFFICACY-DOCUMENT-BQ001-MKT-011-FR.pdf) as well as a video of our bespoke bio-decontamination service (https://youtu.be/zlKdcirXKoU).

Website: http://www.bioquell.com
Contact: Benjamin Morel benjamin.morel@bioquell.fr

Calistair designs and develops high-capacity mobile air treatment units up to 4000 m3/h for the hospital setting. Our units are equipped not only with HEPA or ULPA filters but also with our Athermic Catalysis technology that destroys biological microcontaminants - viruses, bacteria and fungi - and VOCs with formidable efficiency. To date we have equipped more than 80 hospitals as well as laboratories and clean rooms.

Website: http://calistair.com
Contact: Alain Hachet a.hachet@calistair.com.

NatéoSanté is a company known for its expertise in indoor air quality for more than 10 years. It offers high-tech eco-designed professional solutions manufactured in France with a quality filtration system that meets health and hygiene requirements. It equips daily medical environments (hospitals, clinics, medical practices, EHPAD...) as well as professionals heavily exposed to indoor air pollutants. The EOLIS Air Manager air purifier effectively reduces the aerial spread of microorganisms including viruses such as COVID-19. It is equipped with a Biocide Prefilter (effective against the proliferation of bacteria and viruses), a high-density Active Coal Filter, (in order to retain VOCs - Volatile Organic Compounds - and Gases), an EN1822-4 Certified HEPA Filter (effective against fine particulate matter up to 0.1 m), UV-C germicides and an exclusive and controlled option with Active Oxygen that complements the virucid action. An exclusive patented feature allows it to measure and display in real time the effective wear of the filter to ensure optimal filtration at all times. https://www.youtube.com/watch?v=qlznLY-ePhU

Website: https://www.nateosante.com.
Contact: Xavier Blanc: xavier.blanc@nateosante.fr

Mercate designed the evO2 solution to clean the air inside microbiological pathogenic species (viruses, bacteria, fungi) including chemical pollutants and odours. evO2

incorporates advanced Oxidation Technology (AOP), which is the result of 5 years of intensive research with CNRS and INSERM partners. This technology has been tested on a wide variety of airborne viruses and there is no doubt that SARS-VOC-2 can also be inactivated thanks to evO2. evO2 cleans up air between 50 and 150m2. In addition, its anti-microorganism activity ensures its constant effectiveness for 8000 hours. Connected device (by WiFi or LoRa network), its state of operation can be controlled remotely. evO2 installs in minutes, it is handy thanks to its wheels and easy to use without staff training. evO2 will complete the implementation of all tools and procedures to decontaminate the air and stop the spread of Coronavirus in health facilities, medical practices, consulting rooms, and waiting rooms. AOP international patent USA, CEE, India, China, Israel.

Website: https://www.evo2-air.com
Contact: Marie-Laurence Borie ml.borie@mercate.fr

Partnering Robotics produces decontamination and air treatment solutions that are fixed, mobile and autonomous (covering very large areas), and based on high-level filtration of the H13 + / ULPA 15 type. The spectrum of pollutants treated in filtration and adsorption extends to biological compounds and microorganisms, chemicals, particles, and nanocontaminants. These systems are coupled with artificial intelligence to provide data used in the form of reports on treatments performed, performance indicators, and visual representations that reassure staff and patients. The air treatments are carried out continuously and the data produced in real time continuous per second. Partnering Robotics technologies are protected by 5 patents. The systems are deployed in France and internationally, particularly in places of activities, bedrooms, reception areas, waiting rooms and corridors.

Websiteeb: www.partnering-robotics.com
Contact: Ramesh Caussy

Quasar Concept produces TWINCRUISER®, a high-performance process for disinfecting surfaces by air. It meets the disinfection requirements/standards that traditional products now face. TWINCRUISER incorporates a dynamic diffusion system (venturi buse and on-board ozone generator). The equipment is used with a hydrogen peroxide solution (H2O2) and - if necessary - peroxone (O3-H2O2). Hydrogen peroxide (H2O2) is a powerful oxidizer. It is more potent than dichlore (Cl2), chlorine dioxide (ClO2), and potassium permanganate (KMnO4). Hydrogen peroxide is widely used to contain dangerous infectious epidemics in different health environments.

Website: http://vigitechnics.com.
Contact: Vincent Menanteau vincent.menanteau@vigitechnics.com

French Healthcare Association

Room and insulation equipment

Eurobioconcept, Ilithia France, PH2 International

Eurobioconcept offers the Isoroom solution, which allows you to quickly transform a conventional room into a negative pressure room with filtered air. Features: transparent wall for outside observation, optional cuff/x-ray cuff panel, waterproof cuffs for the passage of probes, cables or tubes, SAS with two doors, assembly in 1 to 2 hours. The portable Isoroom is an ideal solution to quickly isolate a person or object contaminated with infectious particles or diseases and transport them to an area for safe treatment. Covid-19: Eurobioconcept also offers a transport module that allows patients to be safely moved to areas less affected by the epidemic while protecting the medical team and crew from exposure to the virus. These stretchers are suitable for any type of transport: plane, train, ambulance, or helicopter.
Website: http://eurobioconcept.fr.
Contact: Cyrille Rouchès c.rouches@eurobioconcept.fr.

Ilithia France designs and provides cleanroom solutions under its MOTECH brand. As part of the fight against COVID-19, we have developed a kit insulation room concept. This sterile room can be used as an isolation chamber for the treatment of a patient as well as a laboratory for testing. The insulation room is built in two days, thanks to its modular structure in sandwich panels, its set of built-in equipment (door, glazing, lighting, blocks taken, etc.) and its compact air treatment plant.
Website: www.motech-cleanroom.com Contact: Fabrice Lafond, f.lafond@ilithia.net

PH2 International proposed two specific solutions in the fight against COVID-19. The compact and modular isolation trolley (UMP® COL C) has been designed to facilitate with optimal safety the rapid implementation of precautionary procedures inside or outside the patient's room (depending on the type of isolation). A modular and compact prevention tool to be placed at the various reception points of a health facility during influenza episodes, the Influenza Prevention Unit (UPG®) ® is designed to limit the risk of transmission of influenza and other infectious diseases.
Website: www.ph2international.com.
Contact: Jérôme Ficamos j.ficamos@villard-medical.com

Remote patient monitoring / teleconsultation

Biocorp, Biosency, Catel, CDM e-health, Coussin Viktor, Diabnext, E-takesCare, France Surgery, H4D, Maela, myDiabby Healthcare, Rofim

Biocorp develops, produces and markets Mallya, a medical device dedicated to diabetic patients. Affected by a chronic disease, these patients are among the most fragile people in the current context of the Covid-19 pandemic. CE DM class II-b certified, Mallya can be easily attached to insulin pens and makes it possible to monitor the injections (recording of the dose injected, type of insulin, date and time) made by the patient during of the day. This online follow-up log can then be shared with the nursing staff, thus offering the assurance of better continuity of treatment for the disease in the current context.

Website: https://biocorpsys.com/en
Contact: Éric Dessertenne: edessertenne@biocorp.fr

Biosency has developed and marketed the BORA ConnectTM solution dedicated to telesurfacing respiratory diseases and which can support the response to COVID-19 by helping to monitor the vital parameters of patients at home, both for those who are known/suspected of infection with COVID-19 as well as for those at higher risk (chronic respiratory diseases, immunodepressed patients, or isolated elderly people...). Tele-monitoring at the patient's home would reduce front-line pressure in hospitals. BORA Connect, certified CE DM Class 2a, monitors respiratory rate, oxygen saturation, heart rate, peripheral temperature and activity (measurement of number of steps); Visualize the evolution of these parameters through applications dedicated to the patient and healthcare actors.

Website: https://biosency.com.
Contact: Yann Le Guillou yann.le.guillou@biosency.com

Catel has supported since 1997 the deployment of telemedicine practices and, more broadly, digital healthcare. We have believed for more than 20 years in the advantages of these uses, and in this difficult period, we put more than ever our skills and our network at the service of the general interest. Catel is opening http://en.teleconsultez.fr/ to meet the needs of healthcare professionals who wish, in an emergency, to implement teleconsultation to deal with the emergency of the health crisis linked to Covid-19. The first step is to allow them to quickly find the information they need to launch their first teleconsultation uses, either through articles and reference documents or through direct exchange with their peers or domain experts in the forum.
The professionals concerned will find the answers to their most urgent questions: why do teleconsultation in this context of crisis?
In what context is this authorized?
Who can carry out these teleconsultations? How to invoice the acts? Which solution, which material to choose? How to refer my patients to teleconsultation? Will the handling be quick, on the caregiver side?
The reference information and published testimonials come from the French experience but can be enriched by other French and English-speaking experiences.

You can also benefit from the support of Catel thanks to its consultancy and engineering activity (for example, Catel currently supports the WAHO and the 15 countries of the ECOWAS region in their transition to digital in Health).

Websites: http://en.teleconsultez.fr/ and https://catel-esante.fr
Contact: pierre.traineau@catel.pro

CDM e-health, a subsidiary of the Air Liquide group, offers the "Chronic Care Connect" e-health solution. Chronic Care Connect ™ is Air Liquide's remote medical monitoring program which aims to improve home monitoring of patients suffering from chronic diseases by combining medical remote monitoring and support by State-certified nurses who carry out human screening of alerts in the monitoring center. CDM e-health through its Chronic Care Connect solution today included more than 2,000 patients in France, this in coordination with private doctors and health establishments. In the context of the Covid-19 crisis, our teams are mobilized around the support of remote monitoring patients at their home, especially for those suffering from heart failure.

Website: http://www.chroniccareconnect.com/index.html
Contact: valerie.contestable@cdmehealth.fr

Coussin Viktor : Well anchored in the French Tech of Nice and Nevers, targeting the players in the Silver Economy, Fingertips offers a complete ecosystem to improve the quality of life of people with loss of autonomy. It is about putting all daily actions within their reach, so accessibility and ergonomics are at the heart of the CoussinViktor project.Our approach, keeping the person at home in the best conditions, serves two objectives: the happiness of the person who can stay at home, but also to limit the economic cost of long stays in hospital or in nursing homes.

Website : www.coussin-viktor.com
Contact : alain.tixier@fingertips.fr

Diabnext is a diabetes remote monitoring solution, improving patient care, preventing complications and hospitalizations related to the disease and thus reducing associated costs. The solution combines a web platform for healthcare professionals and a mobile application for patients, which is connected to connected devices that automatically retrieve patient data. In particular, it offers caregivers the opportunity to track patient data, ensure secure exchanges with them and remotely optimize their treatments. Diabnext is reimbursed by the CNAM and approved by the DGOS. Created by a type 1 diabetic patient, the solution has developed differentiating advantages, which have convinced many renowned hospitals and has been undergoing a very dynamic deployment since its launch. In addition, Diabnext is an inexpensive innovation to implement.
https://docs.google.com/presentation/d/1mcB3XP1ujnvytbFCfbvJZcXDDw6GwP-KSmbYZNeszqY/edit?usp=sharing

Website: https://www.diabnext.com
Contact: Laurent Nicolas laurentn@diabnext.com

France Surgery offers a multilingual digital assistant, dedicated to expatriates and international patients. Because you never know what can happen when you are away from home, France Surgery allows patients to be in direct contact with the best French doctors and specialists, in 37 medical and surgical specialties thanks to medical assistance solutions: Secure Teleconsultation, Second Medical Notice, Assistance Care Course, Call center multilingual patient. It is the assurance of being accompanied on a daily basis, on any health problem, wherever one is in the world. In the current context of the COVID-19 crisis, France Surgery allows many French expatriates abroad (employees, students...) to be in contact with a French doctor to reassure them and follow them remotely when needed. It also allows foreign expatriates in France to have access to personalized and multilingual medical assistance.

Website: www.france-surgery.com
Contact: carine@france-surgery.com

E-TakesCare has developed and sales a remote patient temperature monitoring solution.
Shaped as a thin and flexible patch, Tucky smart wearable thermometer is placed under the armpit and allows continuous and remote monitoring of body temperature through a health cloud.
This Class IIA medical device helps, at hospitals, to reduce the risk of cross-contamination and the workload of healthcare staff. At home, it enables ambulatory monitoring and follow-up of family members.

Website: www.e-takescare.com
Contact: Antonin Bougerol, contact@e-takescare.com

H4D has developed a global telemedicine solution around the first connected medical booth, the Consult Station. The H4D solution supports all the dimensions necessary to implement a professional medical practice to fully integrate into each local context. H4D is actively involved in the response to COVID-19. In particular, we install cabins in emergency services in referral and teleconsultation to support caregivers, but also in health centres with the Red Cross as well as in isolated villages to follow patients.

Site: www.h4d.com
Contact: Franck Baudino franck.baudino@h4d.com

Maela offers a digital platform for preparing, supporting and monitoring patients who can benefit from early home returns. The Maela solution helps guide and secure patients at every stage of their care with pre- and post-operative follow-up. As part of the COVID-19 epidemic and to contribute to the effort required of health workers, Maela offers its tele-assisted services free of charge to health facilities. Available now and without prior installation, a follow-up protocol containing HAS instructions and instructions is available to remotely track patients. Maela provides facilities with its Maela digital monitoring platform to accompany and follow patients in their home care during the fourteenth, making the link with the health care institution. For example, patients can send daily follow-up questionnaires (using the main warning signs: fever, cough, breathing difficulties), indicate if they have had contact with other people, exchange through secure messaging, receive instructions and behaviours to be kept, access information documents...

Website: www.maela.fr
Contact: Hubert Viot hubert.viot@maela.fr

myDiabby is the most widely used diabetes telemedicine platform in France with more than half of the healthcare facilities using (280 centres - 100,000 patients followed). The platform has been in existence for 5 years, is designed and developed in France and is reimbursed by health insurance for the Telemonitoring section. During the Covid-19 period, we have implemented all the features free of charge to allow medical teams to continue to follow their diabetic patients 100% remotely.www.mydiabby.com/post/mydiabby-suivi-diabete-100pourcent-distance

Website: www.mydiabby.com
Contact: Anastasia Pichereau ana@mydiabby.com

Rofim, Telemedicine platform, offers a Teleconsultation module deployed in response to COVID-19 and made available free of charge to all healthcare professionals (medical and paramedics) throughout the blue and white plan.

The functionalities are as follows: secure messaging/ private conversation groups; teleconsultation; assisted teleconsultation; teleexpertise; multidisciplinary consultation meeting in visio.

We have deployed the Teleconsultation module in 5 days, in response to the need to ensure continuity of care, maintaining the link between the practitioner and its patients. All this was developed in conjunction with doctors to best meet their needs.

Website : www.rofim.doctor
Contact : Louise Wasson, louise@rofim.fr.

French Healthcare Association

Professional apps

360 medics, E-Medservice, Kaduceo, projet Dr Lataud, PassCare, Quarness

360 medics is an application and web interface that brings together the resources and tools needed to practice caregivers in the daily lives of caregivers: news, search engine, drug base, medical tools, task management, messaging. Used by more than 225,000 caregivers, including 92,000 physicians, the solution can communicate how to communicate how to communicate the way it is, and 360 medics can quickly develop specific mobile tools built into the app: diagnostic assistance, interactive decision-making tree, good practice sharing, patient management tool.
Website: https://www.360medics.com.
Contact: Claire Chauvallon claire@360medics.com

E-Medservice is a digital Patient Relationship Management platform for healthcare professionals. E-Medservice allows you to contact or follow patients/entourage directly at home by email, text message or phone. Given the current context, e-Medservice proposes to contact patients very quickly and to take initial actions remotely: cancellations of consultations/non-urgent care; recalls of health instructions; monitoring of patients at home (questionnaires, notifications). The service is entirely Saas, requires no installation or download and is therefore aimed at all patient profiles.
Website: http://emedservice.mystrikingly.com/.
Contact: Alexandre Benoit alexandre.benoit@e-medservice.com

Kaduceo has developed expertise in the collection and processing of health data for the analysis and optimization of care pathways in therapeutic areas such as assisted human reproduction, obesity, chronic obstructive pulmonary disease and emergencies. Faced with this health crisis, it was natural for Kaduceo to make our skills available to hospitals free of charge. For example, we provide hospitals with different analytics, statistics and predictors to provide them with management tracking indicators to gain overall visibility of Covid activity within their hospital. Among these indicators we propose: daily volumetry; patient profile (age range, sex, comorbidity, geographical origin); mode of exit (death, transfer, return to home); length of stay; type of treatment. We are also able to predict at 5 days the admissions related to Covid19, to anticipate the occupation and especially the global saturation and by service. We also offer hospitals a daily and interactive mapping that identifies the provenance of patients admitted to the hospital. This map allows hospitals to determine where the households at risk are and anticipate their developments in order to be able to inform public, regional and national authorities, and to accompany them as best they can in an optimized exit from the crisis. To facilitate access to analyses, we have developed a free and secure web interface (Authorized Health Data Server). This monitoring and prediction interface centralizes all of our analyses and predictions for each hospital. Currently, we analyze data from a dozen hospitals and provide them with up-to-date and personalized information every day.

Website : www.kaduceo.com
Contact : Donalie Nugues donalie.nugues@kaduceo.com

Project Dr. Lataud: medical biologist, his project application esanté allows the care of patients from the smartphone or PC of doctors. The app is free in its basic version. The application makes it possible to use all existing solutions, applications and artificial intelligence software universally. It allows the epidemiology of the population to be carried out in real time, especially in this context of covid19. Automated care can be coordinated between city doctors and the hospital, care management is optimized within hospital facilities and coordination is ensured. Emergency control services can visualize a geographic area and its population in real time. Strategic interest may also be of interest to prefectural services. Contact: Dr. Emmanuel Lataud manu-lr@hotmail.fr

PassCare Launches its PassCOVID® which allows citizens to safely provide medical information about a digital health passport and share it with the health professionals of their choice. This gives frail people (chronic diseases, seniors) the opportunity to share vital data in their health record to better manage COVID-19. With this health data on PassCOVID®, the immunity passport will allow: a significant reduction in the time of management of an emergency by health professionals (city doctor, teleconsultation, emergencies) without losing the quality (sorting and orientation to specific circuits according to the profile, summary and tracking sheet downloadable with a remote click, dematerialised letter or liaison mail available directly after a consultation or hospitalization as recommended by the french HAS in its quality indicators...) ; management of interactive prevention, screening and alerting programmes according to the profile; targeted epidemiological monitoring with the possibility of knowing, in particular, serological tests carried out on the population.

PassCOVID® can help manage post-crisis by better targeting at-risk populations and regions to prioritize for either progressive release from containment or screening. Our solution, which is aimed at citizens and healthcare professionals, is currently available free of charge via the creation of a Freemium account :https://app.passcare.com/patient/auth/signup

Website : https://passcare.com.
Contact : Dorian Chassagne, mailto:dorian.chassagne@innovhealth.com

Quarness is a mobile coordination and communication application dedicated to healthcare personnel, integrating instant messaging and secure, combined with an Alerting solution. It allows the immediate dissemination to all actors of a support of events such as "The availability of isolated beds", "The need for reinforcements" or "The search for medical equipment". To deal with the health crisis and to support health care teams, Dedalus France announces the availability of a specific version of Quarness, in Cloud version, free of charge, for all Emergency and Resuscitation services of CHU, Hospitals and private facilities. In addition, Dedalus supports healthcare institutions in the deployment of the solution. Dedalus works with Emergency Room and Resuscitation experts to define specific alerts for the management of Covid-19 patients.

Website : www.dedalus-france.fr/quarness/
Contact : Stéphane Ruton : covid19@dedalus-france.fr

French Healthcare Association

Transport/repatriation of patients

Actimep, Airlec, Atoptima, Bisom

Actimep is an inter-hospital medical transport company in Ile-de-France. Samu-regulated reinforcement is available to take care of patients at home. We have four medical mobile units for transporting patients.

Contact H24: 01 49 12 10 10. Dr Aziz Makhlouf : aziz.makhlouf@yahoo.fr

Airlec is able to carry medical, domestic or international air transport, contact cases or confirmed cases COVID-19; confirmed cases in England have already been repatriated.
Website: http://airlecairespace.com/ambulance.
Contact: Paul Tiba paul.tiba@airlec.eu

Atoptima is a software publisher producing modules for optimizing operations. This "DeepTech" startup is a spin-off of Inria and University of Bordeaux. Atoptima has developed a decision support tool to organize the transport of patients requiring hospitalization: care at home and transport to a specific care center. Objectives: reduce the time taken to care for patients in hospital; rationalize the use of medical vehicles; regulate the load level from one hospital to another. For the duration of the health crisis linked to COVID-19, Atoptima graciously offers to healthcare players the implementation of the tool (support in onboarding + personalization at the margins) as well as its use. Health transport players can express their interest in this application by writing to solidarite@atoptima.com.

Website: www.atoptima.com
Contact: Adrien Duruisseau: adrien@atoptima.com

Bisom is a mobile application combined with a SaaS web application that connects, through digital, the actors of the medical emergency. Ambulances, firefighters, SMUR, EHPAD, Civil Security, Army are thus connected in real time to their medical regulation service of attachment, to third-party doctors experts and downstream service of hospitals to increase diagnostic efficiency, delay in implementation of care and optimize the regulation of the flow of emergencies. This medical emergency monitoring solution is developed in relation to the Northern UAS. Note two major features: followed by a medical regulator of health transport (live coverage of the patient's situation - vital parameters, follow-up of gestures made, treatments implemented, transfer of images, diagrams, short videos -1mn); and teleconsultation in regulation (the regulator can contact the caller via BISOM and access the cameras on his smartphone to clarify the diagnosis). BISOM is a member of Clubster NSL (Hauts-de-France).

Site: www.bisom.fr
Contact: philippe.leroy@bisom.fr

French Healthcare Association

Medical Furniture

AHF, BODET Time, France Reval, HAcare, MMO, Nausicaa Médical, Winncare

AHF has specialized since 1947 in the design and production of beds and furniture for hospitals, clinics, retirement homes and communities. It combines performance and quality of the products offered "Made in France" while focusing on an ambitious environmental and sustainable development policy. Products: Medical Beds Court Stay, Hotel Medical Beds for Senior Residences, Retirement Homes, VIP Services, Wardrobes, Bedside and Bed Eating Table.

Website: https://www.groupe-ahf.fr.
Contacts: Florent Macarez fmacarez@groupe-ahf.fr and bsapin@groupe-ahf.fr

Bodet Time offers specific solutions dedicated to healthcare organisations such as hospitals and nursing homes.

- International leader in time management and measurement, Bodet has been designing and manufacturing clocks, time synchronisation systems, audio systems and dynamic display solutions for more than 40 years.
- Broadcast recorded audio messages to remind the sanitary measures (social distancing, hand washing...) within your organisation thanks to our Harmonys Audio Systems.
- Display health protocols (barrier gestures, procedure in case of possible contamination, schedules...) on the home screen of your organisation thanks to Videodisplay solution.
- Keep perfect hygiene with Style 5S OP and Style 7S OP clocks. Recess-mounted LED digital clock was designed to meet strict specifications in line with specific requirements for hospital environments and operating rooms.
- Synchronise and secure all the equipment on your IT network. Scanner system, x-ray equipment, artificial respirator, patient computerised medical data. All these equipment operate in a shared network and can be stuck in a few seconds after a cyber-attack. During this outbreak, a hospital is targeted by a cybercriminal every week. To enhance your network security, synchronize all your equipment with a reliable and accurate time source, choose a Netsilon Time Server.

Website : www.bodet-time.com/fr/
Contact : Anthony Boigné anthony.boigne@bodet-timesport.com

France Reval is a French manufacturer of personal hygiene and wellness solutions since 1976. Our family-owned SME designs and develops unique and innovative solutions on the market. Our activity is divided into different areas of activity:

-Balneotherapy (turnkey rehabilitation pool project with immergeable walking corridor, pool, water treatment, air treatment, rehabilitation accessories).
-Treatment of Great Burns (custom bathtubs/operating tables for Great Burns patients, equipped for 40 years at HIA Percy in Clamart – 92 and many reference centers worldwide).
-Innovative shower systems (IRIS Shower Convertible, RUBIS Bed Shower System, SOFLEX Shower Chair, CRYSTAL Shower Trolley/Bed) ensure the best possible support while respecting the dignity of patients.
-Medical bathtubs: The widest range on the market, with variable height, sometimes

tiltable, hygiene and wellness tools essential.
-Transfer system: Ceiling lights or wheels, active or passive, our systems combine reliability, lightness and ease of use.
-Excreta management: An innovative single-use cellulose consumable mill solution, the Quattro solution eliminates the risk of cross-contamination, guarantees the safety of users and offers fast and eco-friendly management of excreta in hospital.

Website : https://francereval.fr/
Contact : Alexandre Harguindeguy, adv@france-reval.com

HAcare is called upon daily in the current context of the COVID-19 pandemic by medical institutions to meet their equipment needs for continuing care /rea beds (Proclive/Declive); inpatient beds and bedroom furniture such as dining table; medical bed for home care for some patients; hospital mattresses; emergency stretchers; emergency trolley, anesthesia, resuscitation, care, dispensation of medication; Mobile protection unit for isolation room; Pharmacy storage cabinets and sterile/single-use (DM) consumables. Our HACARE group, which includes SOTEC and ALLIBERT MEDICAL, has taken the decision at this time to intensify our production of medical equipment dedicated to the device for the management of patients infected with coronavirus. We have just doubled the production of our YSALYDE 4 range of medical beds at our Nantes-based plant for the next eight weeks to meet the many demands from all continents.

Website: www.hacare.com
Contact: Saril Abdallah s.abdallah@hacare.com

MMO manufactures and provides hospital beds and furniture for health and social care facilities. As a committed health stakeholder, MMO enhances its industrial know-how and favours French manufacture with French Origin Guaranteed products.

To deal with the COVID-19 pandemic, our teams are doing their utmost to meet the needs of French and international care facilities by offering comprehensive support solutions : long and short-stay beds, psychiatric beds, overbed tables and hospital furniture. In this context, we focus on improving the quality of life for patients and residents and helping caregivers and nurses to carry out their missions under the best conditions.

Website : mmomedical.fr/
Contact : Soizic BOYENZA sboyenzamomedical.fr Jolanta GERLIN jgerlin@mmomedical.fr

Nausicaa Medical designs, manufactures and markets "Made in France" products for geriatrics, disability, rehabilitation, rehabilitation and palliative care. The company is fully mobilized in the current effort, always in operation strictly respecting the rules of hygiene and can therefore offer its products: lifts, verticalizers, straps, mattresses, medical beds.

Website: https://www.nausicaa-medical.com.
Contact: Clement Chauzat clement@nausicaa-medical.com

Villard SAS : Expert in mobile and modular furniture, Villard is one of France's leading company in the design, manufacture and distribution of medical equipment and furniture for health installations.

Our range is focused on sterilization, operating room and ICU, treatment furniture and services, examination equipment, hospital logistics and pharmacy, linen and waste managment.
Based in its new 7,000 m² production site in Neuville/Sarthe (72) near le Mans since 2017, Villard espouses reliable and sustainable "French manufacturing", without intermediaries.

Website : www.villard.tm.fr
Contact : Jérôme Ficamos j.ficamos@villard-medical.com>

Winncare is a manufacturer of medical beds and accessories, therapeutic mattresses in France. An Activity Continuity Plan (PCA) for Coronavirus is in place to deal with emergency patient influxes and the retention of patients and residents.

Website: https://www.winncare.fr.
Contact: Vincent Goumy vincent.goumy@winncare.fr

Modular premises, mobile units

Comeode, Exyte France, Toutenkamion

Comeode, providing general contracting contractor mastery (plans, studies, piloting), proposes the provision, development and installation of temporary modular premises adapted to medical needs. Companies associated with the initiative: COUGNAUD (modular buildings, assembly, transport - installation), SARC - RENNES TP (Terrassement and VRD), AFTP (Terrassement and VRD), BAILLY (Inner Agency, partitions - modular partitions, ceilings, wood carpentry / Alu / PVC), SPIE 22 (Electricity CFO / CFA / sick call / SSI), SYLVESTYRE - Vinci Group (Electricity CFO / CFA / sick call / SSI), PCBG (Plomberie / heating - electricity, gas, fossil fuels, photovoltaic), SARL LAMBERT (Plomberie / heating).

Website: www.comeode.fr
Contacts: Frédéric Debureau (CEO) frederic.debureau@comeode.fr and Benoit Laignel (Technical Director) benoit.laignel@comeode.fr

Exyte France S.A.S. has a solution for the rapid construction of prefabricated modular clean rooms, usable for the construction of workshops for the production of drugs and vaccines CoVid-19 as well as diagnostic laboratories CoVid-19.
Our system, known asExyCell®, consists of freely composable standardized elements to fit the desired layout. This enables us to produce “turnkey” units qualified according to GMP and ready for immediate use, including pharma production devices supplied by our partners. The ExyCell prefabrication workshops are located in Clermont-Ferrand, France. Our ExyCell workshops can be installed in very short time, both in existing buildings or erected quickly according to the principles of prefabrication.

Website : www.exyte.net
Contact : Luca Mussati luca.mussati@exyte.net

Toutenkamion Group. European leader in the design and manufacture of customized mobile medical units, and Siemens Smart Infrastructure have joined their forces to develop a totally innovative and versatile system of mobile resuscitation units (ICU). This

mobile resuscitation solution has been designed to meet the organizational and technical needs of the hospitals to face with the Covid-19 crisis.

Its objective is to relieve the congestion by creating additional autonomous units with reduced implementation times and that can be moved regularly.
Each resuscitation unit is composed of 5 individual rooms, a care station for the nursing staff, a pharmacy, a technical room, a storage room for biomedical equipment and a dirty utility area for storing anything that needs to be cleaned, and a rest room or office for the staff.

Website: www.toutenkamion-group.com
Contact: Bertrand PLOUVIEZ b.plouviez@toutenkamion-group.com

Hospital Human Resources / Training

Bone 3D, Invivox, Medelse, SPH Conseil, Qapa.fr

Bone 3D is a French medical 3D printing company that designs, develops and markets medical devices and 3D printed surgical simulators. To combat COVID-19, its biomedical engineers have developed an ultra-realistic pharyngeal rhino sampling simulator for health personnel training (in the context of PCR and antigenic tests). The particularity of this multi-material 3D printed simulator is to offer a strong anatomical realism as well as a sensory return as close as possible to the real in order to be trained in this gesture in the best conditions while avoiding the risk of forming on a human being. This simulator is currently used by many CHU (AP-HP, CHU of Strasbourg, Rouen, Grasse...), training centers, simulation or faculties of medicine and pharmacy.

Website https://bone3d.com/boutique/pedagogie/simulateur-de-prelevement-rhino-pharynge/
Contact: Rudy Suissa rudy.suissa@bone3D.com

Invivox, a platform for the continuous training of health professionals, is at the service of caregivers to facilitate the dissemination of knowledge - experiences related to COVID-19. The offer is simple and free: just fill out a form (https://lnkd.in/diciWXY) and Invivox takes care of everything else: creation of the Webinar, publication on the Invivox platform, dissemination, technical management, registration management. Find the next webinars on the page: https://invivox.com/training?query=covid

Website: https://invivox.com
Contact: Julien Delpech: jdelpech@invivox.com

Medelse is mobilizing to help health facilities affected by Covid-19 nationally by making its recruitment platform and community of 30,000 practitioners available free of charge. The following specialties are offered free of charge until April 30, on vacation/mission daily, without any fees or commitment Medelse: General Practitioner, Emergency Physician, Geriatrician, Anesthesiologist-Resuscitator, Nurse IDE, Nursing Assistant. In order to send you the profile details within a maximum of 24 hours, we have opened our platform to all health facilities. Also you can send your urgent needs by providing HR information here.

Website: https://www.medelse.com.
Contact: Gaelle Coquard gaelle.coquard@medelse.com

Le cabinet SPH Conseil, subsidiary of the Fédération Hospitalière de France (FHF), has specialized for more than 10 years in the support of health professionals. Its SPH Campus, dedicated to training, management coaching and mediation, offers you volunteer support during this crisis situation, in particular by individual coaches and collective support provided by its team of professional coaches. Our recognized expertise covers the following topics: organizing and managing your team remotely - managing your emotions and stress (relaxation, meditation, sophrology, cardiac coherence) - maintaining team morale - resolve disagreements and tensions in crisis situations.
30-minute webinars dedicated to these approaches are being created.

Website : www.sphconseil.fr
Contact : François Madelmont : f.madelmont@fhf.fr

SPH Conseil, a subsidiary of the Fédération Hospitalière de France (FHF), has specialized for more than 10 years in supporting health professionals. Its SPH Campus pole dedicated to training, managerial coaching and mediation offers you voluntary support during this crisis situation, in particular through individual coaching and group support provided by its team of professional coaches. Our recognized expertise covers the following themes: organizing and managing your team remotely - managing your emotions and stress (relaxation, meditation, sophrology, heart coherence) - maintaining team morale - resolving disagreements and tensions in crisis situations . 30-minute webinars dedicated to these approaches are being created.

Website: www.sphconseil.fr
Contact: François Madelmont: f.madelmont@fhf.fr

QAPA.fr is a proven and available personnel recruitment solution for all health stakeholders. During the pandemic period, QAPA makes its teams and technology available free of charge to healthcare institutions (Hospitals, Clinics, EHPAD...) for the recruitment of permanent, fixed-term and temporary staff (1 month contract without charge). For all, QAPA is able to recruit all types of positions such as nurses, caregivers, maintenance staff, logistics or catering... Let us know your need on QAPA.FR or +33 (0)9 8899 7000.

Website : www.qapa.fr/
Contact : Julien Pommiers, Julien.Pommiers@qapa.com