



Catalogue of solutions for **COVID-19**

CATALONIA



ACCIÓ

Catalonia &
Trade & Investment

 Generalitat de Catalunya
Government of Catalonia

accio.gencat.cat

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Software, apps and other solutions for lock-down or post-lockdown management



Part of the contents of this **catalogue** is **interactive**. For easier browsing, it is possible to **click on the websites** and **most of the logos**, as well as on all the **contact information** for the companies.

Iconographic legend of the product sheet:



Contact information



Keywords



Certificates

Second edition: july 2020

Prologue:

technological and industrial capacity of Catalonia in response to COVID-19

Furthermore, **Catalonia is also a leading centre of innovation in Europe, and a pole of attraction for international talent that facilitates the availability of qualified scientists and engineers.** Research and innovation are necessarily linked to industry and to the identity of the Catalan business culture, and this has also been shown in the way Catalan companies are involved in helping alleviate the current situation by providing their know-how and their knowledge to the common good.

Along these lines, **ACCIÓ has produced this catalogue to provide a selection of companies, technologies and initiatives in Catalonia that provide specific solutions to respond to the health challenges arising from COVID-19** faced by companies, organisations and healthcare centres. This selection of companies has the capacity to export and comply with the necessary certificates to do so*.

Objective of the catalogue

2020 will be remembered as the year in which the world order changed and millions of people were forced to stay at home to overcome the health crisis that we can only fight together. This is a historic time of change that will go down in the annals of history. As a result, there has been a general shutdown in the country, except for services that are considered essential, and working from home has become widespread as an option for many workers in order to continue with their everyday activity.

Catalonia has always been an eminently industrial region, and Catalan industry has adapted to offer solutions that help tackle the current health crisis. Along these lines, **certain industrial sectors have mobilised to provide solutions to needs arising from COVID-19** in different areas to their traditional production sector.



*The companies in the catalogue are separated according to the type of solutions they offer for COVID-19 in 4 areas of speciality:

- Equipment in the health area (hospitals, nursing homes, primary care centres, etc.).
- Protection materials (masks, visors, gowns, PPE, gloves, goggles, approval and certifications).
- Disinfection systems (disinfectants and disinfection equipment).
- ICT solutions (software, apps or other solutions for lockdown or post-lockdown management).

About ACCIÓ

ACCIÓ is the Generalitat de Catalunya agency for business competitiveness. Associated to the Department of Business and Knowledge, it specialises in developing business innovation and internationalisation, and has a network of 40 offices worldwide.

We have three objectives: to increase the productivity of the Catalan business, to improve the position of the products and services of our companies worldwide, and to increase the volume and the strength of Catalan companies. A good example of this activity is this catalogue.

A wider selection of business solutions in Catalonia in relation to COVID-19 can be seen at [**ACCIÓ COVID-19 Business Marketplace.**](#)

There is also a search engine for Industry suppliers in Catalonia: [**Catalonia Industry Suppliers.**](#)



Main categories of products and solutions to the COVID-19 pandemic



Equipment in the health area (hospitals, nursing homes, primary care centres, etc.)



Aire



Gratefulness



Collaborative, non-profit project to create a **prototype of an artificial ventilator** that can be produced quickly and cheaply (with an estimated manufacturing cost per unit of €2,000, 15 prototypes manufactured).

The **AIRE V5** ventilation system is an electromechanically driven system that acts automatically on the compressible unit of a manually operated resuscitator (AMBÚ®), intended to provide life support to patients with severe respiratory failure who require intubation and invasive mechanical ventilation for several hours. The system as a whole makes it possible to supply, in forced ventilation mode, a regulated amount of air and breathing cycles with an I:E ratio of 1:2 or 1:3, as well as controlled monitoring of inspiration-expiration pressure.



airesrespiradores.com
aire.respiradores@gmail.com



ventilators, mechanical ventilation, collaborative engineering



(functional test performed at Hospital Clinic, swine test performed at CMCiB (IGTP), APPLUS validation – CISPR 11, CLASS A, medical equipment for professional use). Status as of 14 May 2020: documentation submitted to AEMPS for approval in clinical trials.

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ConSORCI Zona Franca / HP / Leitat / CatSalut / Hospital Parc Taulí de Sabadell



Partners



LEITAT 1

The partnership between the **ConSORCI de la Zona Franca**, **HP** and **Leitat**, along with **CatSalut**, through **Hospital Parc Taulí de Sabadell**, has led to the development of an industrialisable field ventilator designed to support hospitals and ICUs.

This device has been designed to keep patients with severe respiratory failure, who require intubation and invasive mechanical ventilation, on life support.

This equipment can be used in the context of clinical trials, approved by the Spanish Agency of Medicines and Medical Products (AEMPS).



covid-leitat.org/ca/respirador-2
covid19@leit.at



ventilators, field ventilator, design, 3D printing, additive manufacturing, Multi Jet Fusion, CZFB, Leitat, HP, Parc Taulí, CatSalut, hospital, ICU, oxygen, ventilation, mechanical ventilation, health emergency, engineering, polyamide



authorisation by the Spanish Agency of Medicines and Medical Products (AEMPS)

Consorci Zona Franca / Leitat



Multivent

Multivent is a device that allows you to increase the number of people who can connect to a ventilator.

The product is made from Nylon 12 through an additive manufacturing process and consists of a female input with a diameter of Ø 22 mm that can be connected to a ventilator, and two or more male outputs with a diameter of Ø 22 mm that allow the ventilator's outgoing air to be divided and more than one patient to be connected to the ventilator.

These splitters have been manufactured in accordance with guidelines issued by the General Directorate of Basic Portfolio of Services of the National Health System and Pharmacy.



covid-leitat.org
covid19@leit.at



COVID-19, coronavirus, 3D printing, additive manufacturing, splitter, multivent, hospital, ventilator, mechanical ventilation, Leitat, Consorci de la Zona Franca de Barcelona, polyamide, engineering

Fluidra

FLUIDRA



Fluidra, a global leader in swimming pool and wellness equipment, is collaborating on the 3DCovid19.org “**Printing to Save Lives**” initiative by making injection-moulded consumables and valves for standard ICU ventilators and face shield visors to supply hospitals that have run out of these parts due to the rise in demand caused by the COVID-19 crisis.

Between Sacopa, Cepex, R&D and external partners, Fluidra is making use of thirty 3D printers and its injection moulding machinery and has already made and distributed 90,000 units of these materials.

All of this is being conducted in coordination of the Parc Taulí de Sabadell Hospital Consortium, which receives requests from hospitals, and the Association of Industrial Engineers of Catalonia, which is coordinating the manufacturing process and distributing requests to the various companies taking part. The parts are then sent to the Medical Association of Barcelona (COMB), from where they are shipped to hospitals.

Fluidra is part of the first directory of industrial companies in Catalonia, the **Catalonia Industry Suppliers**, developed through Acció.

More information:

suppliers.catalonia.com



fluidra.com
smorales@fluidra.com



3D printing, ventilator valves, protection

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GasN2



Partners



DAR mechanical ventilation system

GasN2, a company specialised in comprehensive solutions in the field of gas consumption, has developed a ventilator that allows invasive therapies to be carried out.

The equipment developed meets all the requirements of the Spanish Agency of Medicines and Medical Products for autonomous invasive ventilation equipment. To make it viable, GasN2 offers a technological solution based on the use of industrial components, which increases the project's scalability.

The device, which has been called DAR (dispositivo autónomo de respiración, i.e. autonomous ventilation device), invasively assists the patient with breathing.

This team has authorisation from the Spanish Agency of Medicines and Medical Products (AEMPS) for use in clinical trials registered in the context of the COVID-19 crisis.



gasn2.com
info@gasn2.com



ventilators, oxygen



authorisation from the Spanish Agency of Medicines and Medical Products (AEMPS)

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Global Quimia



Global Quimia is a company that was founded in 1997 and is dedicated to providing distribution and representation for companies around the world. It currently offers its services to the chemical, pharmaceutical, cosmetic, industrial, veterinary, candle, textile, food and similar sectors.

Importer of Relay diagnostic kits from Hangzhou (China).



globalquimia.com/html/default2.asp

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GPA Innova

GPA INNOVA

Partners



The **RESPIRA** project seeks to help provide a response to the world health crisis through the creation of the **new emergency ventilator RESPIRA**, which is extremely necessary worldwide due to the COVID-19 pandemic.

RESPIRA is the **first high-performance invasive ventilator** based on the automation and control of a bag valve mask (BVM or AMBU), which provides the functional characteristics required by the medical sector. This **intensive care device monitors and controls key ventilation parameters**. It includes highly precise electronics developed in Germany by SIEMENS and ventilates by way of the automation of a bag valve impelled by a linear actuator.

The device has passed **all the validation tests prior to use on patients with COVID-19** and the electromagnetic compatibility tests, which means that it is currently authorised by the Spanish Agency of Medicines and Medical Products (AEMPS) of the Spanish Health Department for use in hospitals as a clinical study, allowing for its effective use with COVID-19 patients.



en.respiradevice.com
info@gpainnova.com



invasive ventilators, ICU Ventilator



authorisation by the Spanish Agency of Medicines and Medical Products (AEMPS)

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Hospital de Sant Joan de Déu



Partners



CPAP-Challenge

The CPAP-Challenge project was created with the goal of developing a non-invasive ventilation therapy device to:

- Meet the needs of patients who are not candidates for invasive ventilation therapy or who require high-flow oxygen therapy as an alternative before invasive ventilation therapy.
- Develop a set of components that are required to operate ventilation systems and are difficult to find given the stock limitations.

Due to the shortage of material and valves needed to create these devices, a decision was made to develop these components from scratch.

The end result was e-CPAP, a complete CPAP-based non-invasive ventilation system and a snorkel face mask interface. This device is capable of generating high-flow oxygen therapy (at least 30 bpm) with O₂ at high concentrations (40-100%), without the need to use a turbine or machine and with the certainty that an aerosol that could encourage the virus to spread is not generated. The device includes a positive end-expiratory pressure (PEEP) valve, adjustable between 5 and 20 cm of water, that favours gas exchange at alveolar level and minimises the patient's effort to take in air during inspiration.

This device only requires an oxygen wall outlet with double flow meter, so it can be used in most in-patient wards and even in field hospitals.



ventilator, non-invasive



the e-CPAP has passed all the validation tests prior to use on patients with COVID-19, which means that it is currently authorised by the Spanish Agency of Medicines and Medical Products (AEMPS) of the Ministry of Health for use in hospitals in clinical trials.

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Okatent



Industrial tent manufacturer.

Offering its services to produce **tents and emergency structures** that are easy to erect.

The structures **can be installed at the entrances to hospitals and healthcare points** to deal with any cases of infection in isolated modules.

Folding aluminium structures can also be constructed for private, restricted assistance of people.

They work with the sizes of 4 x 6 m (24 m²) y 8 x 8 m (64 m²).



okatent.com
alejandro@okatent.com



tent, emergency structure



ISO 9000, authorisation from the AEMPS, CE marking, UNE and ISO product compliance production standard, among others

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Parc Taulí



The **3D Laboratory at Parc Taulí** has joined the networking initiative to make the 3D community available for the Coronavirus SARS-CoV-2 pandemic eradication.

As an **expert centre in 3D printing for medical applications**, a clinical utility of the parts has been validated and the catalogue containing the technical design parameters, material requirements and printing parameters has been made available to the 3D community.

The STL files for each validated part are also available for download. Companies can download the designs, as their unlimited use is authorised so that they can be produced and distributed at their own risk.

The **design of medical material** has been released in order to provide hospitals without their conventional supply given the increase in demand due to the current situation.

The **3D Laboratory at Parc Taulí** is also accepting requests for parts not included in the current catalogue and their production using 3D printing.



tauli.cat/es/institut/plataformes-i-servis/laboratori-3d/covid-3d



3D printing, spare parts, protection systems, invasive and non-invasive ventilation

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Protofy.xyz



Partners



OxyGEN is a device that **automates the manual ventilation process for patients** in emergency situations where not enough ventilators are available.

It has been approved by the Spanish Agency of Medicines and Medical Products (AEMPS) for use on patients in all hospitals that join the clinical trial.

It was developed by a group of professionals headed up by the company Protofy.xyz, with scientific support from Hospital Clínic, Hospital Germans Trias i Pujol and the Universitat de Barcelona.



oxygen.protofy.xyz



ventilator, ventilation

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QEV Technologies



Partners



QEV Technologies, Nissan, Hospital de Sant Pau and the Eurecat technology centre have developed the Q-Vent respirator.

The purpose of the Q-Vent is to fulfil the shortage of conventional automatic respirators in an emergency situation.

This portable device has been developed by QEV Technologies to automate a resuscitation device which provides manual breathing assistance for COVID-19 patients.

Exclusively for clinical research, with the authorisation of the Spanish Agency of Medicines and Medical Products (AEMPS).



qevtech.com
emargais@qevtech.com



ventilator, respirator, connectivity, portable device, open source control, remote control, auxiliary battery, monitoring, plug and play, security system



authorisation by the Spanish Agency of Medicines and Medical Products (AEMPS)

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Secartys



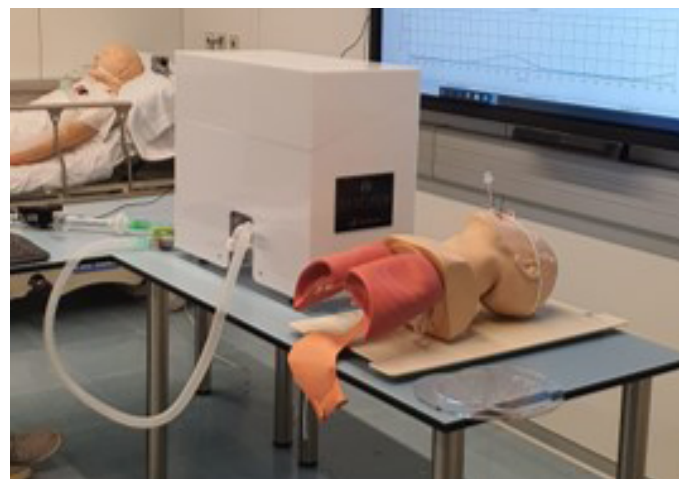
Partners



RESPIREM was created as a charitable initiative for the development and manufacture of a field ventilator that functions independently by means of a battery. The structure of RESPIREM and the materials used to manufacture it make it a robust device that is highly competitive in terms of price.

The features of RESPIREM make it ideal for use in field hospitals and urgent patient transfers, as well as for export to developing countries, where health resources are more limited and scarce.

The RESPIREM team started with an open-source design to develop a lightweight ventilator, suitable for intensive use and equipped with electronics capable of controlling and adjusting its operation.



respirem.org
csierra@secartys.org



ventilators, field ventilators, autonomous field ventilators, battery-operated ventilators

Taurus group



Infrared thermometer

Non-contact infrared thermometer. Very fast measurement, in just one click.

Operates at 30-50 mm; 2 modes; body and surface measurement; backlit display; memory function (32 entries); warning sound when temperature is above normal; auto power off for energy saving. Works with 2 x AA batteries. Two measurement units available (°C/°F). Very easy to use.

Taurus is part of the first directory of industrial companies in Catalonia, the **Catalonia Industry Suppliers**, developed through Acció.

More information:

suppliers.catalonia.com



taurus-home.com
amancilla@taurus.es



thermometer



marcado CE, norma UNE e ISO de producción de conformidad del producto: 93/42/EC (IEC 80601-2-56, IEC 60601-1-2, EN 60601-1-2, IEC 60601-2-11)

Taurus group



Finger pulse oximeter

Measures oxygen saturation levels, frequency and pulse.

Very fast measurement (8 seconds), very easy to use. Highly intuitive LED display. Compact, practical design. Portable, battery life of up to 24 hours. Lightweight (approx. 50 g). Works with 2 x AAA batteries. Precision: SpO2 (70% - 99%) +/- 2%, PR (30-250 bpm) +/- 1 bpm, low perfusion = <0.2%.

Taurus is part of the first directory of industrial companies in Catalonia, the **Catalonia Industry Suppliers**, developed through Acció.

More information:

suppliers.catalonia.com



taurus-home.com
amancilla@taurus.es



pulse oximeter, oxygen saturation levels, pulse



93/42/EC (IEC 60601-1-11 + IEC 60601-2-61, IEC 60601-1-2, EN 60601-1-2); 2011/65/EU

TBIOM (Biomedical Health Techniques): Non-invasive support CPAP



Class IIa CPAP applicable to the COVID-19 emergency.

A small, portable respirator with remote control and simple to operate, which supplies air at a constant pressure. It is equipped with different alerts and controls to guarantee adequate patient ventilation.

In COVID-19 patients, oxygen is added to an FiO_2 to be determined by the doctor. This enables the patient to receive good oxygenation.

It is **suitable for hospitals and home discharges** to continue the treatment as an outpatient.

It is currently **undergoing clinical trials for approval** at the Hospital Trias i Pujol in Barcelona. It has been approved by the AEMPS.



yourairmony.com
direccion_gral@tbiom.com



respirators, CPAP, ventilation, portable



authorisation from the AEMPS (licence no. 7591-PS)

TBIOM (Biomedical Health Techniques): respira- tor for Non-Invasive Mechanical Ventilation (NIMV)



Class IIa respirator applicable to the COVID-19 emergency.

This is a **small, portable, low-cost respirator with remote control and simple to operate** which provides non-invasive ventilation.

Characteristics: pressure control (up to 20 cmH₂O), PEEP, trigger, I/E, suitable for children and adults, breathing frequency control, tidal volume, volume per minute > 40 l, leak alarms, ramp.

Provides breathing assistance for COVID-19 patients to avoid intubation. Useful in 70% of all hospitalised patients.

It is **suitable for the ICU or hospital** wards designated to control stable patients.

Endorsed by the CDTI. The basic model is authorised by the AEMPS.



yourairmony.com
direccion_gral@tbiom.com



respirators, non-invasive ventilation,
portable, low cost



authorisation of the basic model (Airmony)
by the AEMPS. Endorsed by the CDTI

Telstar



Telstar is a leading global brand of aseptic process solutions. The company, part of the Azbil Group, specialises in the **development of highly complex technology projects**, from the design and production of integrated process equipment to the design, engineering and construction of biotechnological and pharmaceutical production facilities, critical installations, clean rooms and R&D laboratories.

Telstar's equipment is specially designed for **handling and storing samples with biological risk level 3** intended for research centres, the pharmaceutical industry and hospitals involved in the research and production of vaccines to treat or prevent COVID-19, the development of diagnostic tests and other associated treatments.

Telstar is part of the first directory of industrial companies in Catalonia, the **Catalonia Industry Suppliers**, developed through Acció.

More information:
suppliers.catalonia.com



telstar.com
marketing@telstar.com



biological safety cabinets, biotechnological production facilities, biological sample storage, class II protection

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Telstar



Telstar's solutions cover the entire vaccine production process

Telstar, part of the Azbil Group, has a long track record and plenty of experience in the development of engineering and construction projects, process equipment and GMP services, including turnkey projects and critical facilities, for companies associated with the life sciences market (pharmaceuticals and biotechnology, healthcare, cosmetics, the veterinary and food industries, hospitals, laboratories and research centres).

Telstar has highly specialised GMP and engineering services and offers an integrated solution that covers all phases of an injectable vaccine production plant. It carries out turnkey projects for complete pharmaceutical manufacturing facilities and critical processes.

Telstar is part of the first directory of industrial companies in Catalonia, the **Catalonia Industry Suppliers**, developed through Acció.

More information:

suppliers.catalonia.com



telstar.com
marketing@telstar.com



engineering, vaccine production plant,
pharmaceutical manufacturing facilities

Zonair3D



Pure air generator for indoor spaces

We offer equipment that generates pure air in indoor spaces and eliminates particle and gas pollution at the highest level. Approved HEPA H13-H14 and ULPA 15 filters.

In the current COVID-19 crisis, our equipment can capture coronaviruses that remain airborne (an average of three hours), thereby increasing control of contagion.

Portable, fixed and bubble pure air equipment (ISO 5 field operating theatre). Suppliers for civil and military emergencies, hospitals and companies.



zonair3d.com
zonair3d@zonair3d.com



air, HEPA, purifier, pollution



HEPA H13-H14 and ULPA 15 filters. Low Voltage Directive (LVD) 2006/95/EC and Directive 2011/65/EU of the European Parliament and of the Council on the restriction of the use of certain hazardous substances in electrical and electronic equipment. ISO9001 on the manufacture of ventilation motors. EUROVENT standard 1822 on filtration systems.



Protective materials



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Arpe Barcelona



ARPE Barcelona is a **textile company** that produces promotional products.

Production of **personalised, reusable masks** that are compliant with the UNE 14683 Standard. 99% bacterial filtration efficiency (BFE) according to a report by the AITEX laboratory.

They protect from inside out to avoid the transfer of infectious agents into the environment from the wearer of the mask. They are not personal protective equipment, but general use of the mask decreases viral exposure and the risk of infection in the population.

Arpe Barcelona is part of the first directory of industrial companies in Catalonia, the **Catalonia Industry Suppliers**, developed through Acció.

More information:

suppliers.catalonia.com



arpe.es
info@arpe.es



masks, approval, polyester, washable, reusable, production, manufacturing, sewing



UNE EN 14683:2019+AC

Carpepack

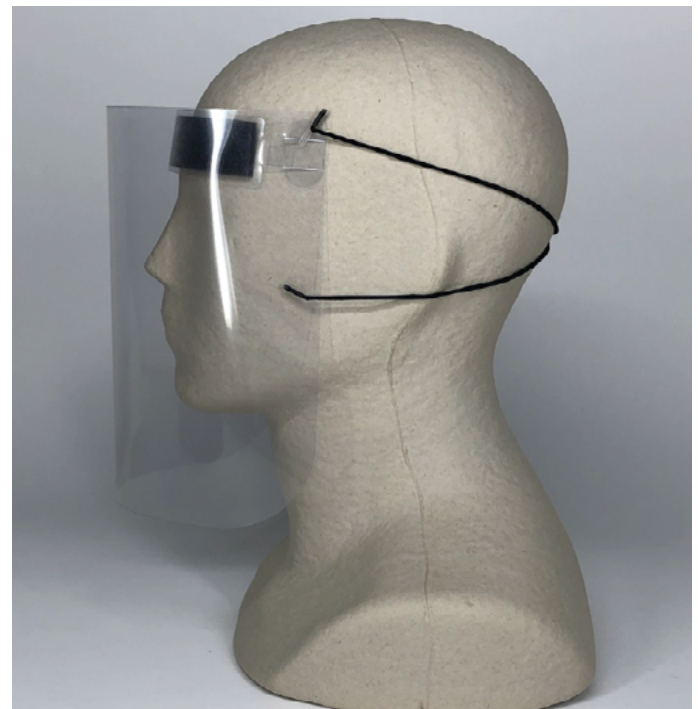


Company **manufacturing products for the graphic arts sector**. It provides the entire production process, from the initial idea to the delivery of the product, including the design, pre-printing, printing, die cutting, and handling.

It has developed and manufactured a **transparent face screen** that is characterised by its simple production system, very competitive price, and high production capacity.

Materials:

- Screen: Transparent 250-micron PVC/PET.
- Front: 5 mm polyurethane foam.
- Fastening: elastic latex rubber and cellulose.



carpepack.com
info@carpepack.com



masks, transparent facial protection screen

Confeccions Serraller



Textile company dealing in the production of **all types of garment**. They are offering their services, personnel and machinery to produce protective masks and gowns.

Certified reusable mask.

Confeccions Serraller produces **protective masks**. Our model is certified by laboratory tests. This is a certified mask model with 96% particle filtration and resistant to penetration thanks to its water-repellent treatment.



Technical specifications:

- Aerosol filtration efficiency >96 %.
- Particle filtration efficiency >96 %.
- Water-repellent.
- Face fit >92 % nose and mouth, with maximum user comfort.
- Particle filtration of 0.4 microns and over equivalent to a filtration efficiency of at least 95%.
- Compliant with current regulations relating to reusable masks.
- Anti-bacterial and anti-static properties.
- Free of harmful or toxic ingredients.
- They features are maintained throughout their working life, which is over 65 washes without affecting the water-repellent properties.
- Breathability: approx. <26 Pa/cm², according to international regulations AST1.
- Sizes: adult and child.



confeccionserraller.com
administracio@confeccionserraller.com



production, masks, gowns



UNE-EN14683; composition: 100% olefin (polypropylene); Weight (g/m²): 190±5%. Inner fabric: UNE-EN14683; composition: Hydro-block 100% Cotton.

Division 4

DIVISION 4°

We provide **two types of protective gowns** for use in hospitals:

- Single-use gowns, with non-woven textile material from the EEC. Weight: 55 g/m².
- Fabric gowns. Their water-repellent characteristics withstand up to 65 washes. Weight: 70 g/m² +/- 5 %.

They also **design and manufacture sanitary masks with different patterns for children and adults**. The masks are washable (up to 40 times at 60°C). Some of the models available are washable sanitary masks (up to 40 times at 60°C). We are also adding surgical mask models (PS).



salaita.com



gowns, protection, textile



UNE EN 13795-1:2020

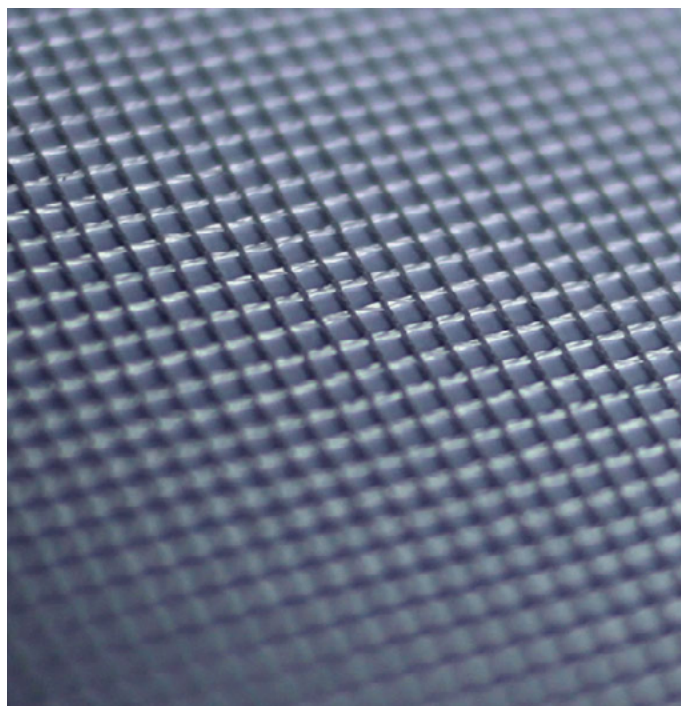
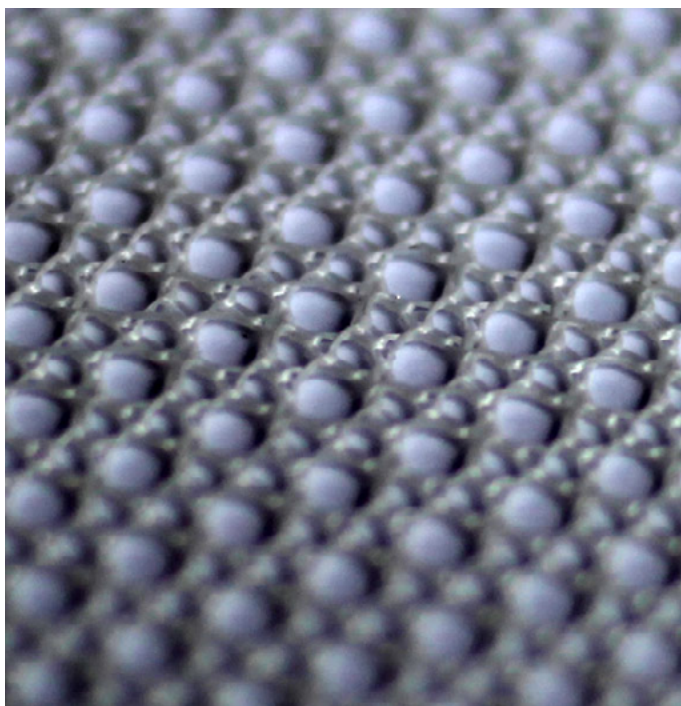
ECima



E.CIMA: liquid and antimicrobial-repellent fabrics for masks and gowns.

It offers different items of varying grammages to combine if needed or for use in single-layer masks.

E.CIMA is a company that produces fabrics that it is offering to produce **reusable surgical sanitary masks and gowns** with an antimicrobial and water- and short-chain oil-repellent treatment, resistant to 20 washes.



ecima.com / rfontseca@ecima.com



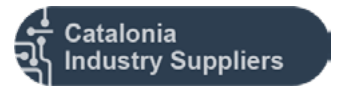
protective fabrics, surgical masks, reusable sanitary masks, gowns, antimicrobial, breathability, differential pressure, BFE, bacterial filtration efficiency, UNE 0065, UNE EN 14683, UNE EN 13795



fabrics currently undergoing the procedure to obtain the certification report for UNE 0065 and UNE EN 14683. The company has the certificates ISO9001, OEK-TEX Standard and GRS

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Expafol



Manufacturer of technical textiles and films.

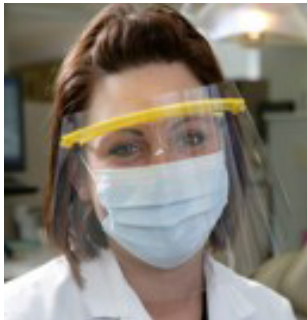
We supply PVC, EVA and TPU films for the manufacture of hospital gowns, mattress protection fabrics and body bags. We also supply lightweight coated fabrics for masks.

The CLEARFOL® range is used to manufacture protective screens, partitions and transparent curtains.

Expafol is part of the first directory of industrial companies in Catalonia, the **Catalonia Industry Suppliers**, developed through Acció.

More information:

suppliers.catalonia.com



expafol.com/es
info@expafol.com



materials for the manufacture of gowns,
body bags and transparent partitions

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Fantexfil



We manufacture **sanitary masks made of anti-bacterial yarn**, with a replaceable filter every 7 hours and resistant up to 100 washes.

The product is certified by Eurecat and will soon be certified as an FFP2 sanitary mask.

Antiviral anti-bacterial mask

Protective, sustainable, recyclable, off-pollution and ergonomic mask with a 97% face fit (nose and mouth). Produced using two layers of fabric made of antimicrobial yarn formed by silver nanoparticles, which means it can be reused up to 100 times. Its filtration efficiency is above approx. 98%, for greater protection of the wearer and those around him/her.

Fantexfil produces certified masks: the CE-11218 certificate guarantees that these masks have passed all the appropriate controls, as indicated in the related certificates.

The masks are compliant with the following standards: UNE-EN ISO 12945-2; EN 13795; European medical device directive 93/42/EEC; UNE-EN ISO 12945-2; EN 13795 and UNE-EN 14683: 2019+AC2019. They have also passed the EFE bacterial filtration tests. Fully recyclable mask.



fantexfil.com
pons@fantexfil.com



yarn, anti-bacterial, filter



CE-11218; UNE-EN ISO 12945-2; EN 13795; European medical device directive 93/42/EEC; UNE-EN ISO 12945-2; EN 13795 and UNE-EN 14683: 2019+AC2019. They have also passed the EFE bacterial filtration tests. Fully recyclable mask

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Flexor



Full face shield with flip-up visor.

Hygiene and protection against splashes.

Flexor has been supporting the healthcare sector since 1963. We are leaders in France and Spain and export 75% of our production.

We manufacture protective screens and foot baths (anti-slip mats in different sizes with trays for sanitising liquids to place at the entrance to hospitals, care homes, clinics, etc.), in addition to products intended for our original target market, i.e. the orthopaedic and podiatry sector. We have factories in Catalonia and Andalusia.

The screens are ergonomic, easy to clean, light and resistant. Available in different colours.

The product can be customised with the client or end user's logo.

Flexor is part of the first directory of industrial companies in Catalonia, the **Catalonia Industry Suppliers**, developed through Acció.

More information:
suppliers.catalonia.com



flexor.es
ernesto.delamoren@flexor.es



protector, visor



approved by IBV according to UNE-EN166 - Personal Eye Protection Standard EN 166, Eye protection (type 3, droplets and splashes of liquid)

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Fornituras técnicas



Nasal splints and accessories for masks.

Fornituras Técnicas FIT is a supplier for companies that manufacture orthopaedic products. Specialists in the design, development and production of a wide range of aluminium solutions.

Currently, the company has adapted part of its production for the manufacture of aluminium nasal splints, specially designed to create nasal clips for masks. They also have rubber mask adjustments and other accessories.

In addition, it has a team of engineers specialised in the development and creation of all kinds of projects.



forniturastecnicas.com
info@forniturastecnicas.com



material for the manufacture of masks,
splint, nasal, masks, PPE, aluminium



ISO 9001

Inerum

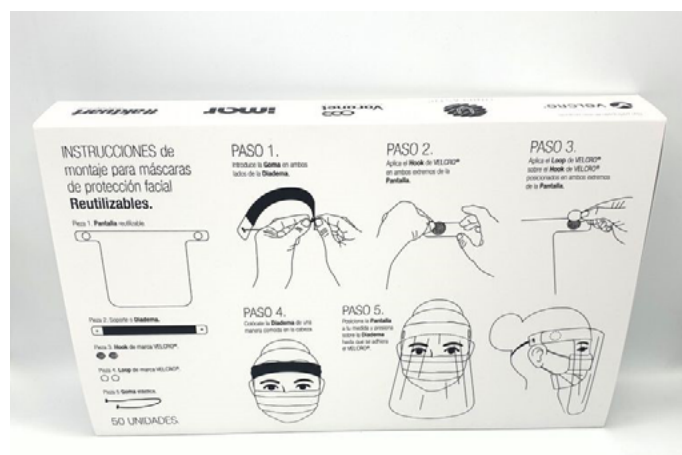


Project for collaboration by several companies to fulfil the lack of protective elements for healthcare personnel, made using components of national origin.

We provide **reusable, detachable protective plastic visors** that can be adjusted to any size.

Made of polyethylene terephthalate (PETE).
Production capacity of 15,000 units per week with the possibility of personalisation depending on the quantity.

- REUSABLE protective screens.
- Resistant and very light.
- No optical deformities are produced thanks to their great transparency.
- REUSABLE: can be dismantled into two pieces.
- Reduces the risk of particles splashing or flying into the eyes, the nose and the mouth of the wearer.
- Can be worn with goggles and mask.
- NO fogging thanks to its upper aeration vents.
- Easy to maintain and clean.
- Adjustable to fit any face.



inerum.com
t.ramirez@inerum.com



visors, masks, protection, PPE



ISO 9000, authorisation from the AEMPS, CE marking, UNE or ISO product compliance production standard, among others

LN Moda 98

LN EDK

They provide **reusable sanitary mask**. They are made of water-repellent microfibre fabric that protects in both directions. They are made in Catalonia and are guaranteed for 75 washes at 60°C.

Furthermore, they provide **other fabrics for sanitary use**, such as fabrics to make gowns or fabric for field material.

They are **certified under Standard UNE 0065**.



easydekor.com/tejidos-sanitarios
lluis@lnmoda.es



mask, reusable, sanitary, washes



Standard UNE0065

Lybatextiles



Reusable, **washable-fabric, and breathable sanitary masks** with Spanish sanitary certificate UNE-EN14683:2019+AC:2019> 92. No additional filter is needed. Guarantee of 70/80 washes at 60/35 degrees, maintaining all the original protection properties.

- Composition: fabric with 2 layers.
- Outer fabric 50/50 cotton/polyester, 230 gm2 with a Teflon finish.
- Inner fabric 100 % cotton poplin.
- Adjustment system with 2 elastic bands.

Wide **variety of colours** and with the option to **personalise their design and add a name**.

Thanks to their inner poplin fabric, they fit the face comfortably and give a feeling of comfort. Because they are made of cotton, they are anti-allergenic and give a more pleasant feeling when in contact with the face and mouth.

Domestic production.

Large production capacity for a flexible supply.



textilhotel.com
info@lybatextiles.com



masks, sanitary, reusable, certified



UNE-EN14683:2019+AC:2019> 92

Maskplus



Reusable masks with UNE EN 14683 properties.

This product meets the criteria of **surgical masks** and fulfils their shortfalls, i.e. it fits the face perfectly without leaving pockets through which unfiltered air can pass from outside, and is reusable (up to over 100 times). This means an increase in the return on investment in the purchase of this product over another.

MASKPLUS is a protective mask that is **compliant with the properties required in a TYPE IIR surgical mask**, with improvements that are consistent with prolonged reuse and a better face fit.

Produced in **sizes for adults and for children.**



maskplus.net
info@maskplus.net



masks



Polyamide fabric: tested according to ISO 20743 against *Klebsiella pneumoniae* and *Staphylococcus aureus*, with efficacy results of 99.9%; compliant with air permeability standards according to ISO 9237 and with tensile strength standards according to Standard ISO 1924/2). Filter paper: meets the requirements of EN 10993-5:2009 on biological evaluation of medical devices, according to the test performed in the accredited laboratory NAMSA.

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Nifco Products



Nifco Products is a company that deals in the **production of components for the automotive sector**. During the most difficult moments of the pandemic in Spain, Nifco and its team of technicians sought to help the most vulnerable sectors (hospitals, care homes, etc.) by designing, prototyping and building an injection mould to manufacture protective visors for healthcare professionals.

Characteristics:

Visor:

- 98% natural coloured polypropylene PP copolymer. SABIC® PP CX02-82. UV-stabilised.
- 2% grey Masterbach Cromofix PP (PE).
- Measurements: 18 x 16 x 1.5 cm.

Screen:

- Transparent PVC/PET. 250 microns in thickness. Die cut with three attachment points to the visor. Measurements: 29.8 x 20 cm.

Band:

- Flat black elastic band with eyelets. 85 b% polyamide, 15% latex. 1.5 cm in width.
- Weight: 42 g each.

Assembly:

- The visor is supplied in pieces.
- Press the screen onto the band to attach it using the three attachment points.
- Rear rubber attachment to adapt it to the required size.

The screens can be **exchanged, reused and sterilised** using any alcohol or sanitiser gel.

Nifco Products is part of the first directory of industrial companies in Catalonia, the **Catalonia Industry Suppliers**, developed through Acció.

More information:

suppliers.catalonia.com



nifcospain.com
cpuente@nifcospain.com



protective visors



IATF16949, ISO 9001 and ISO14001

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Nifco Products is part of the first directory of industrial companies in Catalonia, the **Catalonia Industry Suppliers**, developed through Acció.

More information:

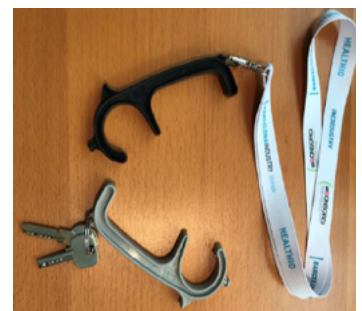
suppliers.catalonia.com



Nifco COVID-19 key

Hygienic COVID-19 key

- Measurements 130 x 55 x 10 mm.
- Manufactured in plastic injection in the PP (polypropylene) material SABIC ® PP CX02-82, sterilisable.
- Tool that allows users to open doors, press switches and buttons, and remove gloves without any contact with hands.
- Standard colours: white, grey and black. Different colours available upon request.
- Custom logo injected into the plastic or with one- or two-colour pad printing available upon request.



nifcospain.com
cpuente@nifcospain.com

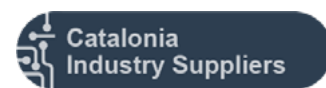


hygienic key, protection



IATF16949, ISO 9001 e ISO14001

Nifco Products



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Nifco Products is part of the first directory of industrial companies in Catalonia, the **Catalonia Industry Suppliers**, developed through Acció.

More information:

suppliers.catalonia.com



Nifco COVID-19 Ear Protector

- The Ear Protector for masks allows you to protect your ears from prolonged use of masks, thus avoiding irritation and discomfort.
- It can be used to adjust the size of masks for adults and children.
- Compatible with FFP2, KN95 and surgical masks.
- Sterilisable, reusable product, adjustable for maximum comfort.
- Manufactured with natural-coloured polypropylene (PP) copolymer. SABIC® PP CX02-82. UV-stabilised.
- Measurements 14.5 x 2 x 0.1 cm.
- Standard colours grey, black, maroon and brown.
- Different colours available upon request.
- Custom logo injected or screen printed in a single colour available upon request.



nifcospain.com
cpuente@nifcospain.com



hygienic key, protection



IATF16949, ISO 9001 e ISO14001

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NTI



NTI Figueras: : transparent plastic masks.

Company manufacturing PVC cards that has adapted its machines to produce full-face masks.

They are made of **PVC**, are completely **transparent**, and fully protect the mouth, the eyes and the nose so that professionals can work safely.



nti.es



visors, masks, protection, full-face mask



ISO 9000, authorisation from the AEMPS, CE marking, UNE and ISO product compliance production standard, among others

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Pentex



Pentex is a company that has been producing **sporting equipment** since 1980.

Because of the current health crisis, Pentex has reconverted its **production to produce and package waterproof sanitary gowns** made of non-woven textile material with an outer polypropylene layer.

The gown is **reusable and can be washed more than 20 times at 60 degrees**. Our products is already being used in some hospitals and primary care centres around the country.



pentex.co
albertpentex@gmail.com
+34 687 536 422



protection, sanitary gowns



UNE-EN14683:2019+AC2019

Pines



At PINES we are artisans

At PINES, we specialise in the manufacture of plastic bottles, containers and products through different systems such as blown film extrusion and injection. We have our own premises for the design and construction of moulds,

and have been based in Barcelona since 1971. Our extensive track record has allowed us to adapt to different clients, both to supply products to small manufacturers and to produce large orders.

We offer our clients a comprehensive service, including design, manufacturing, screen printing and logistics, as well as providing solutions to their needs.

Our services provide clients with peace of mind, since they receive top-quality finished products. At PINES, we provide our clients with a comprehensive service. We take care of everything, from the initial project, based on your ideas, to the logistics phase.

Relevant products: **jars for hydroalcoholic gel, face shields.**

Pines is part of the first directory of industrial companies in Catalonia, the **Catalonia Industry Suppliers**, developed through Acció.

More information:

suppliers.catalonia.com



pines-espanola.com
info@pines-espanola.com
export@pines-espanola.com



jars for hydroalcoholic gel, face shields

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Poems

P·O·E·M·S

Poems Barcelona Knitting Hub, S.L.: PPE made of reusable, natural fabric.

They offer **PPE made of reusable, natural and treated polyester fabrics.**

More recently they have developed different models of **mask and gown**, although they can also produce other pieces, such as **overalls, caps, etc.**

They work with natural, water-resistant fabrics and with polyester with an anti-bacterial and water-repellent treatment.



poemsbcn.com
info@poemsbcn.com



gowns, protection, textile, masks,
reusable, fabric, production, water-resistant, anti-bacterial



UNE 0065:2020

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Prevenwork



We specialise in **protection, safety and hygiene, and environmental** products.

We can distribute personal protective equipment and hygiene products.

Development of protective masks.



prevenwork.com
ventas@prevenwork.com



masks, disinfectant gel, hydroalcoholic, quaternary ammonium

Seibe



SEIBE S.A. produces **waterproof, water-repellent gowns made of anti-bacterial** fabric that destroys the pathogens of coronavirus, influenza, listeria, *escherichia coli*, herpes, and up to 17 strains of viruses and bacteria very quickly, providing the best protection that exists against transmission and contamination.

These gowns are already being distributed to hospitals forming part of the Catalan Health Institute, such as Vall d'Hebron and many others.

The gowns are made of water-repellent polyester that can be machine washed at 60° C up to 35 times. They also produce surgical gowns and hospital uniforms.



seibe.es



waterproof, water-repellent, gown, protection, anti-bacteria



Pilling 5 UNE ISO 12945-2; Spray test 100 AATCC 22; Water column 1000 mm; UNE 40096; Bacterial Presence Dry: Pass; Wet: Pass; EN-13795; Ph 4,0 - 7,5; UNI EN ISO 3071/06; formaldehyde: UNE EN ISO 14184-1:1999; arylamines 20 ppm: UNE 2002/61/CE; According to Oeko-Tex II; ISO-05; ISO 12945-2; EN-13795; compliant with European medical device directive EEC/93/42

Sismic



SISMIC: Reusable waterproof gowns.

SISMIC is a company that deals in the **personalisation of sports clothing**. It has adapted its production to produce waterproof clothing for health-care professionals.

It has developed reusable waterproof gowns in request by the Hospital Josep Trueta in Girona and other Catalan hospitals.

DD

BATA SANITARIA



sismic.es
marc@sismic.es



protection, gowns, waterproof, masks, waterproof clothing



ASTM E96:95BW, UNE-EN ISO 6330:2012, ASTM E96:95BW, UNE-EN ISO 6330:2012 and EN 13795

Taurus group



Face shield

100% aseptic full-face protection, easy to assemble and position, washable and reusable. The perfect complement to masks.

Dimensions: 22 x 21 cm. Transparent, light and comfortable. Elastic band and visor to adjust the tilt. Resistant to scratches and slight impacts.

Taurus is part of the first directory of industrial companies in Catalonia, the **Catalonia Industry Suppliers**, developed through Acció.

More information:

suppliers.catalonia.com



taurushealthcaredivision.com
amancilla@taurus.es



protector, visor



approval process under way

Technotex

Technotex®

We are a **European supplier that specialises in technical textiles and clothing for surgical areas**, white rooms, clean areas and ESD environments.

We offer **reusable surgical gowns** made of sanitary fabric to protect against particles and microorganisms, approved under Standard EN13795.

They are light, comfortable, waterproof, resistant and reusable for up to **75 washing cycles**.

Technotex®.es

Médica⁺
by technotex



Cycles



EN 13795



Water Proof



Lightweight & comfortable



High breathability



technotex.es
hello@technotex.es



gowns, reusable, sanitary fabric,
approved



EN13795

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Textil Ortiz



A company from the textile sector that is offering its services to produce **protective, waterproof clothing for healthcare professionals** (gowns, surgical uniforms, masks, etc.). They can also work with materials for funeral homes.

Reusable sanitary gown made sustainably according to regulations (PS) EN 13795 for sanitary surgical applications, cleaning, residential homes, aesthetics, dentistry, hairdressing, physiotherapy, councils, geriatrics, and protection services.



textilortiz.com/en
abel.ortiz@textilortiz.com



gowns, protective clothing,
waterproof clothing, masks



EN 13795

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Turbo



CROTTON, SA – TURBO: **reusable sanitary mask** made of fabric with features equivalent to the FFP2 regulations (ITEL-11339 test).

The mask is made of a double-stitch fabric for greater protection and an inner layer of fabric that acts as an air filter, with features equivalent to FFP2 regulations. All the details of the test performed on this material are given below (ITEL-11339 test). It is not PPE-approved (official protective equipment), but is currently seeking to achieve this approval.

We guarantee a **minimum of 25 washes**, making it cheaper than any disposable mask. We guarantee a minimum of 25 washes without losing its filtration properties. As of 25 washes, it might lose some of its properties slightly. We recommend washing it with neutral detergent for increased durability at a temperature of up to 60°C and even ironing it (at a maximum of 140°C for approx. 10-15 seconds).



Materials and certified by ITEL on the inner layer.
Mask composition:

Outer layer:

- 82% polyamide - 18% Lycra.
- Double-stitch fabric for greater protection.
- Light yet strong.

Inner layer, FFP2 equivalence:

- 100% cotton.
- Hypoallergenic and comfortable.
- Meets the specifications of the new Standard UNE 0065 (sanitary masks).
- Aerosol filtration efficiency over 94%, in compliance with Standard UNE-EN 14683 (surgical masks).
- Particle filtration efficiency over 96%, in compliance with Standard UNE-EN149 (FFP2 filtration equivalence).
- Resistance to penetration by liquids and bacteria, in compliance with Standard EN-13975.
- Resistance to abrasion, breakage and torsion, in compliance with Standard EN-13795.

Turbo is part of the first directory of industrial companies in Catalonia, the **Catalonia Industry Suppliers**, developed through Acció.

More information:

suppliers.catalonia.com



turboswim.com
info@turboswim.com



masks, reusable, FFP2, EN14683,
textile



ITEL-11339

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Vittorio



We offer **reusable sanitary gowns and masks**, made of fabric certified under UNE-EN-14683. Our company designs and produces work clothing and is located in Badalona.

We manufacture our anti-viral protection mask to contribute towards the current health protection and labour-related measures.

With a **level of protection equivalent to FFP-2**, they are reusable and remain effective for 30 washes. They have a soft fabric lining that is delicate against the skin.

- This is formed by 3 layers of anti-bacterial fabric.
- 2 layers of anti-bacterial fabric.
- Bacterial filtration efficiency (%) ≥ 95
- Breathability (Pa/cm³) ≥ 60
- 1 Layer of waterproof polypropylene TNT fabric lining.
- They are reusable and preserve their anti-bacterial efficacy for over 30 washes.
- FFP-2 equivalence.



vittorio.es
cristian@vittorio.es



masks, gowns, sanitary fabric



UNE-EN 14683; UNE-0065 CEE/93/42;
UNE-EN 149 ≥ 96 ; level 5 peeling resistance;
UNE-EN ISO-5; EN-13795 and UNE-0065

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Disinfection systems



Aenor



COVID-19 certificate of good practice

AENOR has developed a method **based on the recommendations made by national and international** bodies that fully covers the management by organisations of the risks arising from COVID-19, with a full record of fields such as occupational health & safety, cleaning, training, waste management, and the specific risks of organisations.

It is in line with the **review of their contingency and business continuity plans.**



aenor.com
esubira@aenor.com



certification, safety, hygiene,
prevention



certifying company

Also Casals

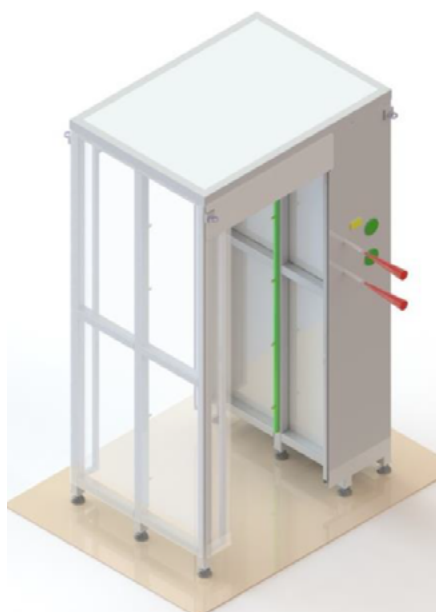


COVID-19 disinfection and prevention solutions.

A family-run company with 30 years of experience in the sector and with a team of engineers from different specialities, extremely flexible and with a great capacity to adapt.

The company offers **disinfection and protection solutions** that use technologies such as ultraviolet light, ozone and the application of disinfectants.

- **Disinfection arches:** for people and vehicles, with temperature taking and treatment of the outer parts of the body, the soles of shoes, and the hands.
- **UV systems:** automated 360° disinfection towers for rooms such as dental surgeries or offices, disinfection systems for air conditioning ducts and manual disinfection systems for clothing and surfaces.
- **Protective screens:** they are producing customised, high quality protective screens made of stainless steel and aluminium for all types of establishment.



alsocasals.com
ralsoj@alsocasals.com



disinfection, bridges, booths, protective screens, ultraviolet



CE marking, UNE and ISO product compliance production standard

Arcovid



Disinfection Arches by nebulisation patented system

We specialise in offering a professional service to control the spread of any bacteria, fungus or virus.

We at Arcovid have created approved equipment that complies with all European regulations and feature CE marking on all our equipment.

Our arches are versatile and easy to use. They perform and ensure the disinfection task in a fast, efficient and safe way by means of nebulisers.

We serve clients from utility, industry, transportation and infrastructure companies with a clear objective: to prevent and mitigate the spread of any type of current and future pandemic.

The machinery can be moved very easily, and its measurements can be adapted to the needs of our customers.

We offer different kits, which are adapted to disinfection needs:

- **ArcoEPIs:** autonomous disinfection by nebulisation for people equipped with personal protection equipment (EPI in Spanish).
- **ArcoText:** autonomous disinfection by nebulisation for any kind of fabric.
- **ArcoShoes:** autonomous disinfection by nebulisation for any kind of footwear.
- **ArcoPalet:** autonomous disinfection by nebulisation for palletised goods in general.
- **ArcoPaquet:** disinfection arch for parcels.
- **ArcoCar/CarInd:** autonomous disinfection by nebulisation for cars in general and industrial vehicles (3,500 kg max.).



arcovid.es / +34 679 412 494
pedromanuel@arcovid.es

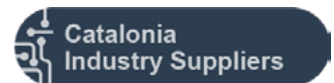


desinfección, nebulización



autorizado Ministerio de Salud -
Norma:UNE-EN 14476

Cygyc Biocon



Cygyc Biocon S.A. manufactures **disinfectants and professional hygiene products**. All disinfectants are approved by the Health Department. The 10,000 m2 company facilities include offices, production plants and logistics warehouses. It holds different environmental and quality certificates.

Cygyc Biocon is part of the first directory of industrial companies in Catalonia, the **Catalonia Industry Suppliers**, developed through Acció.

More information:
suppliers.catalonia.com



cygyc.com
jllope@kaifor.eu



detergent, disinfectant, virucide



ISO 14001, ISO 9001, ECOCERT,
HALAL and KOSHER

Evila Projects

E|vila Projects

The company deals in the creation of **infra-red and ultraviolet light solutions** for the aeronautics and automotive sector, as well as working on ultraviolet light solutions to disinfect water and air in industry and in abattoirs.

It is currently providing solutions to disinfect the air, surfaces, objects and PPE using photocatalysis, direct radiation or filtration. More specifically, the company offers:

- Air and surface treatment solutions.
- PPE disinfection: equipment to disinfect FFP2 and FFP3 masks.
- Disinfection of ventilation ducts.
- Disinfection of clothing and accessories.

The company has patented mask disinfection equipment that combines both radiations to eliminate the virus from healthcare material.



evilaprojects.com



disinfection, ultraviolet



ISO 9001:2015

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Ficep S3

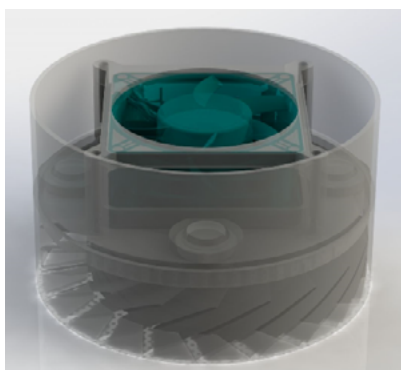


Ficep S3 has created a **new device that sterilises the air** in rooms to meet the needs of hospitals and centres.

AMS Technology (Air Management System Series) for air sterilisation.

- Can be installed in offices and hospitals. From ventilation systems to compact tabletop devices to clean the air in individual spaces.

- Up to 3 levels of effectiveness, thanks to its UV lights to eliminate bacteria and viruses, its titanium oxide-coated cyclonic labyrinth that multiplies the effectiveness of the UV light, and the use of activated carbon filters that help neutralise the smell and absorb any organic molecules.
- The range of AMS solutions allows for 95% of bacteria and microorganisms in the air and viruses in the atmosphere to be eliminated.



ficeps3.com
r.garcia@ficeps3.com

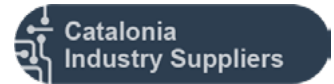


disinfectant, ultraviolet light



ISO 9000, authorisation from the AEMPS, CE marking, UNE and ISO product compliance production standard

Flexor



Foot bath, disinfecting mat

Reduces cross contamination of germs.

Flexor has been supporting the healthcare sector since 1963. We are leaders in France and Spain and export 75% of our production.

We manufacture protective screens and foot baths (anti-slip mats in different sizes with trays for sanitising liquids to place at the entrance to hospitals, care homes, clinics, etc.), in addition to products intended for our original target market, i.e. the orthopaedic and podiatry sector. We have factories in Catalonia and Andalusia.

Components

- Rubber base (45 x 75 cm).
- Serves as a bucket for storing the disinfecting liquid.
- Absorbent latex mat.
- Absorbs the disinfecting liquid and stores it within.
- Customisable printed message: COVID-FREE
- AREA, ANTI-COVID and/or the client or end user's logo, etc.

Flexor is part of the first directory of industrial companies in Catalonia, the **Catalonia Industry Suppliers**, developed through Acció.

More information:

suppliers.catalonia.com



flexor.es
ernesto.delamorena@flexor.es



disinfection of the soles of shoes

Laboratorios Cosméticos Lamarvi

LABORATORIOS COSMÉTICOS
LAMARVI

Laboratorios Cosméticos Lamarvi is a company that **creates and manufactures professional cosmetics products.**

To respond to the current health emergency, it has reinvented itself and is producing **hydroalcoholic gels and solutions in different formats**, including large containers.



vmvcosmeticgroup.com/empresas-del-grupo/laboratorios-cosmeticos-lamarvi
avera@vmvcg.com



gel, hydroalcoholic solution

Laboratorio de Especialidades Nacionales (Lensa)



Laboratorio de Especialidades Nacionales, S.A. (LENSA) is a company with over 40 years of experience in the **creation of cosmetics**.

They have hand **sanitiser hydroalcoholic gel** made with Indian pennywort extract, calendula extract, and glycerine.



lensa.es
lensa@lensa.es

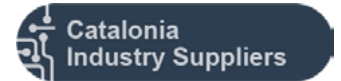


alcohol, hydroalcoholic, hand gel, disinfectant, sanitiser



ISO 22716:2008 and authorisation by the CPNP

Laurendor



Laurendor is a Catalan company established in 1936 with extensive experience in the development, manufacturing, packaging and marketing of cosmetics products worldwide.

They product a **hydroalcoholic gel** formulated with 70% alcohol, ideal for in-depth sanitising of hands and utensils, in any situation or location where fast cleaning is required. The contents of the gel, rich in aloe vera, protect the skin and provide a pleasant feeling of freshness and cleanness.

Laurendor is part of the first directory of industrial companies in Catalonia, the **Catalonia Industry Suppliers**, developed through Acció.

More information:

suppliers.catalonia.com



laurendor.com
vgl@laurendor.com



hydroalcoholic gel, hydroalcoholic solution



quality management system ISO 9001:2008 and ISO 22716:2007

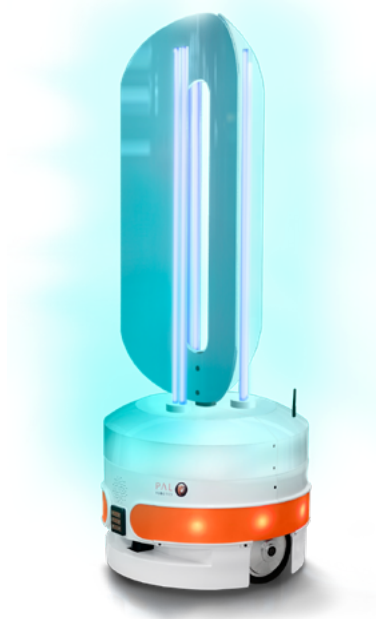
Pal Robotics



Pal Robotics designs and manufactures **robotic platforms** to improve the quality of life of our society, which are integrated safely into our environment.

The effectiveness, frequency and quality of the decontamination process is increased while protecting cleaning personnel and other employees who are to use these areas.

The robot is equipped with **UV-C lights for disinfection** as it navigates autonomously around areas, disinfecting the surfaces it passes over. This system reduces the need to expose people to this type of work, which involves a high risk of infection when entering highly contaminated environments.



pal-robotics.com
alexandre.sb@pal-robotics.com



disinfection, disinfectant, sterilisation

Tarrago Brands International



Tarrago Brands International, S.L. offers hand sanitiser and hydrogel in 125ml bottles.

Tarrago Brands International is part of the first directory of industrial companies in Catalonia, the **Catalonia Industry Suppliers**, developed through Acció.

More information:

suppliers.catalonia.com



tarrago.com
export@tarrago.com



hydrogel, sanitiser



Certificate of Free Sale and Consumption from the Chamber of Commerce, and authorisation by the CPNP

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Taurus group



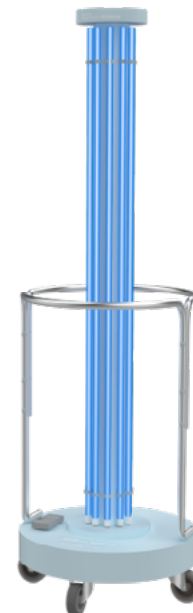
Mobile disinfection system

Massive Purity Power is the best professional defence system to ensure that large spaces with obstacles are safe. A highly powerful mobile disinfection system that combines UV-C light technology to destroy the DNA and RNA of the cells of any microorganism with a large range of action to clean the air in the room, thus making it highly efficient in any space, regardless of the number of obstacles or items it contains. In a matter of minutes, it disinfects surfaces while cleaning the air, thereby shortening the amount of time before the facilities can be reused. Made in Spain.

Uses: hospitals, GP surgeries, accident and emergency departments, public transport, coaches, trains, changing rooms, gyms, swimming pools, hotels, bars, restaurants, supermarkets, shops, businesses, classrooms and offices.

Taurus is part of the first directory of industrial companies in Catalonia, the **Catalonia Industry Suppliers**, developed through Acció.

More information:
suppliers.catalonia.com



taurushealthcaredivision.com
amancilla@taurus.es



disinfection, ultraviolet



En proceso de homologación

Taurus group



Everyday Purity

Multifunctional UVC steriliser. Eliminates 99.99% of germs and viruses in just 10 minutes.

Featuring two elongated ultraviolet lamps for total sterilisation (360°). With USB charging port inside to charge while in use. Air freshener function (to make the sterilised products smell more pleasant). Large capacity (103 x 183 x 27 mm). Light to indicate that the sterilisation / air freshening is complete. Operates at 5V. Ideal wavelength to kill viruses (253.7 nm).

Uses: a wide range of products (masks, mobile phones, keys, glasses, watches, jewellery, etc.).

Taurus is part of the first directory of industrial companies in Catalonia, the **Catalonia Industry Suppliers**, developed through Acció.

More information:
suppliers.catalonia.com



taurushealthcaredivision.com
amancilla@taurus.es



disinfection, ultraviolet



2014/30/EU (EN 55014-1, EN 55014-2, EN 61000-3-2, EN 61000-3-3).
2011/65/EU

Taurus group



Steam disinfection systems

Steam iron / Steam stations / Vertical steam iron

Steam ironing systems that destroy 99.9999% of viruses and bacteria, both horizontally and vertically.

A range of models and solutions adapted to any need.

Uses: all types of fabric.

Steam cleaners

Manual steam cleaner for different surface types with accessory for vertical ironing. Destroys 99.9999% of viruses and bacteria.

Uses: different types of surfaces and fabrics.

Taurus is part of the first directory of industrial companies in Catalonia, the **Catalonia Industry Suppliers**, developed through Acció.

More information:

suppliers.catalonia.com



taurushealthcaredivision.com
amancilla@taurus.es



disinfection, steam



2014/35/EU (EN 60335-1 + EN 60335-2-3), 2014/30/EU (EN 55014-1, EN 55014-2, EN 61000-3-2, EN 61000-3-3), 2011/65/EU, 2009/125/EC

Top Ozono



Air sterilisation with ozone

An electronic engineering company with more than 35 years of experience, Top Ozone is a Spanish manufacturer of electronic components and ozone generators for industry. They are used to disinfect operating theatres and buildings, and in the agri-food sector, water purification, etc.

All our equipment is manufactured in accordance with the AENOR UNE 400-201-94 standard. We are also registered with the Ministry of Health for the use of ozone as a biocide and thus comply with all the legal provisions required by the authorities.

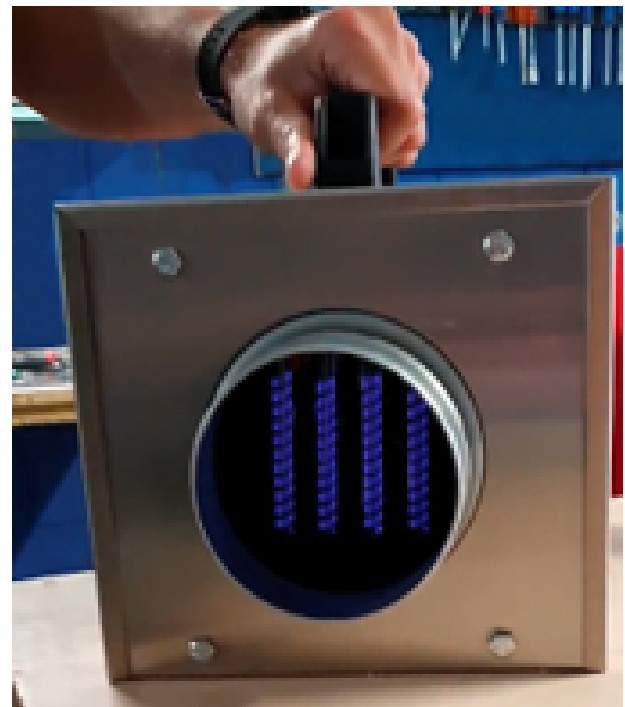
University hospitals such as Hospital Clínic de Barcelona are using our generators as a quick and definitive sterilisation measure against the virus, since it is harmless to humans but deadly for pathogens. They also use them to disinfect masks, ventilators, ambulances, operating theatres, etc.

We also manufacture ozone disinfection closets for clothing stores, and to hang coats in companies, restaurants and even at the entrance of homes, as well as a wide range of ozone detectors and gas masks for individual protection.

Top Ozono is part of the first directory of industrial companies in Catalonia, the **Catalonia Industry Suppliers**, developed through Acció.

More information:

suppliers.catalonia.com



topozono.com/productos/semi-industrial/ozonizadores-portatiles
export@topozono.com



disinfection, ozone, sterilisation



portable P 4000 V.
AENOR UNE 400-201-94 standard Ozone generators (air treatment).

UAP (Urban Air Purifier)

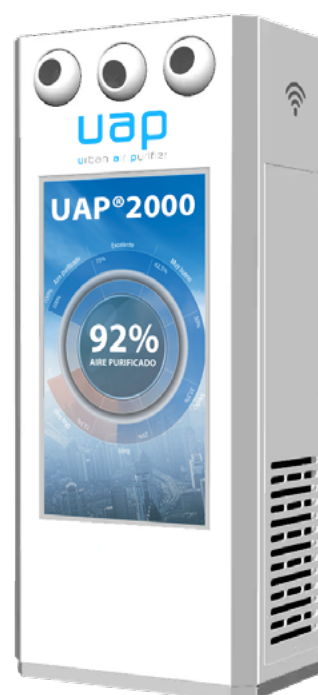


Urban Air Purifier manufactures **equipment to filter and eliminate contaminants** and, faced with the emergency situation, has adapted its air filtering and sterilisation system to fight the coronavirus. The increased air contamination and the viruses that are currently spreading cause undesirable effects on health, as well as the growing concern for and social awareness of pollution and air quality

UAP offer an effective system that is capable of managing and eliminating different viruses, such as COVID-19, by attacking 99.997% (in compliance with regulations) of all suspended particles that the virus uses to move around and spread.

UAP researches, manufactures and distributes its devices from Catalonia and guarantees a clean, non-invasive system that can coexist alongside people

The equipment is prepared to filter COVID-19 and provide cleaner, safer air both indoors and outdoors.



urbanairpurifier.com
lferia@urbanairpurifier.com



air purification, microbe purification

Vesismin Health



Vesismin Health offers **hydroalcoholic gel and disinfectants** for surfaces in different formats (spray, wipes, foams, etc.) and innovative solutions for disinfection (disinfection by advanced UV light and aerial disinfection).

They also provide **advice and training on the control of infections**. They specialise in the prevention and control of infections.

They develop, manufacture and distribute a wide, assorted range of **innovative disinfection products**.



vesismin.com
vesismin@vesismin.com



hydroalcoholic gel, UV disinfection,
wipes, chlorhexidine



CE marking, Class II medical device,
ISO 9001 and ISO 13485

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Whale Spray



Whale Spray S.L. is a company that produces **spray** to sanitise all types of object and surface.

They also offer hand sanitising **foam**.



whalespray.com
export@whalespray.com



hygiene, disinfectants, alcohol, gel,
spray, sanitary



authorisation by the CPNP



ICT Solutions



Beabloo Interaction Care



Interaction Care (IC) is a solution developed by Beabloo to **minimise the risk of COVID-19 in physical spaces**. Interaction Care controls the access to physical spaces, prioritises assistance for vulnerable groups, measures interaction between people, and guarantees their compliance with social distancing.

It offers the technology to all types of physical space in order to protect the health of employees and customers alike.

It includes video analysis technology, WiFi, zenith video sensors, wide-angle IP cameras, thermal cameras, and a people counter. IC reacts in real time with alerts and measures the different areas of risk of a physical space.

Valid for any type of physical space, such as supermarkets, chemists, shops, public authorities, banks, or airports, among others.



beabloo.com
sales@beabloo.com



sensorisation, prevention, physical spaces, protection, technology, measurement

BlockTac



BlockTac uses **blockchain technology to provide the characteristics of inviolability, immutability and open verification** for all its digital certificates.

It offers digital certificates with **blockchain** technology for the reports on the antibody studies performed by accredited laboratories to determine the stage and immunity, rapid viral antigen detection tests, and PCR tests.

Depending on the results of the tests, the immunity certificates accredit having overcome the infection (accompanied by a green code), the stage of acute infection (red code) and the absence of infection (yellow colour). It also includes the decisions and recommendations to be followed in each situation: normal activity (green), lockdown (red) or follow-up and monitoring of symptoms (yellow).

Partners: ACES (Catalan Association of Health Entities); Ibero-American Digital Health Network.



blocktac.com
fguillen@blocktac.com



immunity, certificate, test, blockchain



Seal of Excellence, European Commission

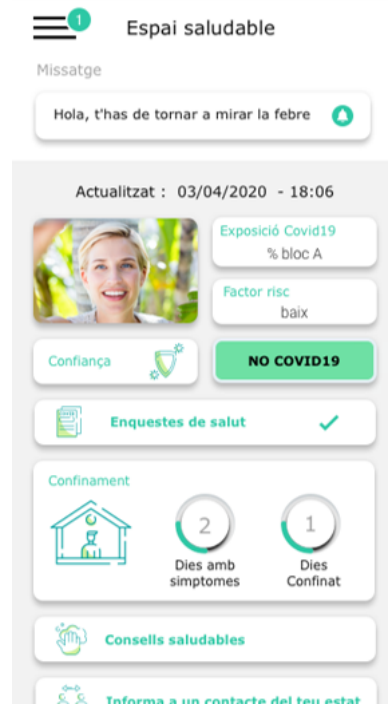
Covidhealp



Covidhealp is an individual solution that respects the privacy and data management of the patient to determine the exposure to the risk of infecting others or of being infected by COVID-19.

One of the values of **Covidhealp** is that all users have a cloud environment where they can store their private health information on COVID-19.

This is a **technical solution for daily self-assessment by users**. It uses an AI algorithm to measure the confidence rate of the population in relation to COVID-19.



covidhealp.com / +34 699 430 749 /
llolivet@otcengineering.com



during and after lockdown due to the
COVID-19 (coronavirus) pandemic



ISO 27001, authorisation for Dekra
and SBD for cybersecurity 2019

Flomics Biotech



Flomics Biotech is a young biotech company that **operates in the field of liquid biopsies**. It originated in Barcelona Biomedical Research Park (PRBB) in Spain. The mission of Flomics is to translate the latest research in genomics and cell-free nucleic acids to clinical practice. Flomics is currently working with hospitals across the world to tackle some of the greatest health challenges facing the fields of oncology, infertility and, more recently, the coronavirus pandemic.

Flomics has joined forces with international biotech partners that specialise in next-generation sequencing to develop a cloud-based data analysis solution for COVID-19 detection and research. By combining the unique characteristics of the different sequencing kits available for the detection of SARS-CoV-2 (either metagenomic or amplicon-based), we maximise the information extracted from each experiment conducted in a reliable, sensitive and automated manner.

Our platform helps hospitals, clinics and research laboratories transform raw data into interpretable clinical information that will help manage this pandemic, without the need for IT infrastructure or bioinformatics expertise.



floomics.com
joao.curado@floomics.com



NGS, data analysis, bioinformatics,
genomics, research

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Gladtolink

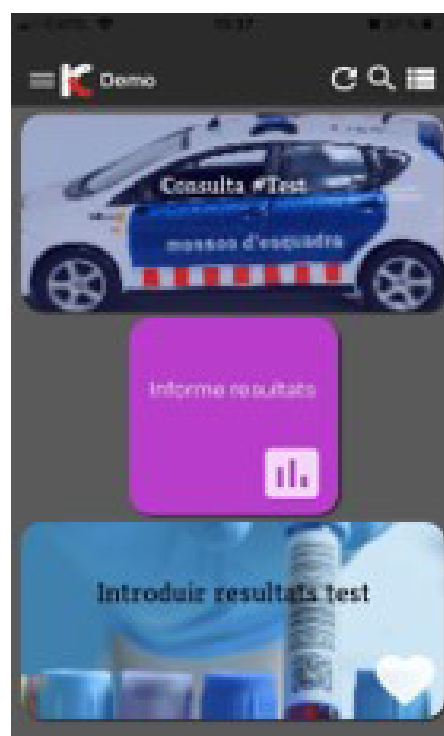


Gladtolink is a **platform for the custom development of apps for smartphones**, but without having to program (No-code development platform). It is aimed at document management and includes a document manager. It also allows for work flows to be automated (BPM). With Gladtolink, real digital transformation with instant implementation times is both easy and inexpensive.

Gladtolink has developed a **COVID-19 immunity passport** as a solution linked to the lockdown easing plan. This passport includes digital signature, confidentiality, geolocation information, real-time information, and app development solutions, as well as an associated platform.

The solution considers the **entire process for the lockdown easing plan**, which includes the request for a test, the digital signing of the data protection document, the on-line issue of the results by healthcare personnel, etc.

What is more, citizens can download the results of the test in .pdf format to their mobile phones, and it is adaptable to the needs of each country.



gladtolink.com / +34 669 761 397
jaume.martinez@gladtolink.es



immunity passport, COVID-19, lockdown easing, document manager, BPM, app, no-code, paperless, digital signature



in the process of obtaining ISO 27001 (foreseen for 2021)

Herta



Real-time facial recognition in large crowds

Herta is a world leader in the development of high-tech facial recognition solutions. Based in Barcelona and with offices in Madrid, Los Angeles, Montevideo, Mexico City and Singapore, the company offers fast and accurate end-customer oriented solutions for video surveillance, access control and marketing requirements. International projects include safe cities, airports, train and metro stations, prisons, banks, casinos, sports stadiums, shopping centres, and military, police and forensic applications. Herta has partners in 50 countries and more than 150 certified integrators globally.

Herta specialises in the analysis of crowded environments, which allows it to detect and identify multiple subjects at the same time through IP cameras. Its software is fully scalable and compatible with any IP camera, thus turning it into an easy-to-use, accessible tool for any business organisation.

Herta is part of the first directory of industrial companies in Catalonia, the **Catalonia Industry Suppliers**, developed through Acció.

More information:

suppliers.catalonia.com



hertasecurity.com/ca
diego.saenz@hertasecurity.com



detection of people with masks, identification of people with masks, control of safety distances



UNE-EN ISO/ IEC 27001 and 9001

HumanITCare

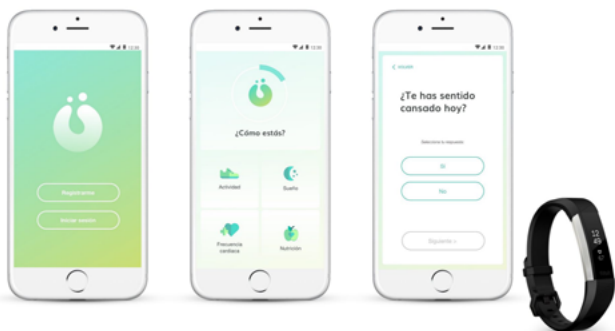


HumanITCare: telehealth and remote monitoring.

HumanITCare is a company that deals in telehealth.

As a result of the COVID-19 crisis, it has developed a **platform to make it easier for doctors to monitor chronic patients from home** using a mobile app for Android and iOS. It also enables doctors to connect to medical devices such as digital pulse oximeters, digital blood pressure monitors, or smart scales.

This same platform will also provide health institutions with **precise insight into the areas of their city with greatest incidence of COVID-19**, thanks to the location information provided by patients.



humanitcare.com
info@humanitcare.com



telehealth, remote monitoring



consults AEMPS, compliance with LOPD and GDPR

Moca



Mocaplatform is a company that deals in the use of **artificial intelligence** for the intelligent localisation and marketing.

The company has created an app and a digital platform to meet the **needs of the public authorities and citizens** during the stages of lockdown easing.

COVID-19 management and control platform based on **big data** and localisation.

- MOCA SDK for integration into any mobile app (native or Cordova).
- Proximity contact detection between citizens using Bluetooth Low Energy (BLE) to know whether anyone has been in contact with someone infected by the virus (the data will only be disclosed in positive cases).
- Automatic monitoring of user mobility by GPS/WiFi/Mobile with a precision of around 50-100 metres, with low battery consumption and proactive GDPR management.
- Automatic sending of alerts to inform when a users exits/enters a geo-fence (e.g. an area under lockdown, area of risk, etc.).
- Segmentation of people according to their category and health (infected, at risk, users who have not taken the test, etc.).
- Big data analysis in real time, based on geo-location with heat maps to see the areas of infection.



mocaplatform.com
ma-fe@mocaplatform.com
 +34 677 553 843



platform, app

Parkunload

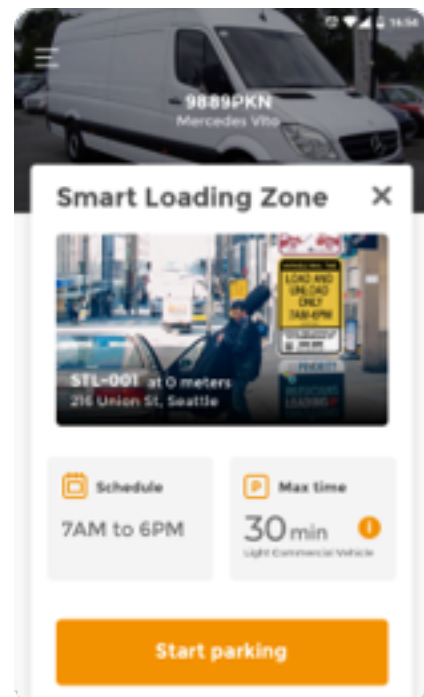


Parkunload allows for the **digitalised regulation and control of free, short-stay parking areas** that prioritise urban logistics and access to shops, which are key in the current climate.

Parkunload has created the concept of smart loading zones, based on apps and Bluetooth, which **establish variable and dynamic parking permits and times** based on different parameters: precise location of the area, time of day, type of vehicle, profile of the driver, and current situation of the city: pollution, emergency, etc.

The C/D or DUM areas allow for the optimisation of Urban Good Distribution and courier services in dense urban environments.

The food pickup, quick buy or Click&Collect are allow for access to shops to be prioritised and facilitated, with the aim of helping re-establish the business in a safer manner during the COVID-19 crisis.



parkunload.com
csentis@parkunload.com
rvilanou@parkunload.com



smart loading zones, urban logistics, Urban Goods Distribution, DUM, loading and unloading, food pickup, Click&Collect



parking control method PCT / EPO

Sirt



SIRT is a company that specialises in the optimisation of processes using advanced technology solutions.

It has developed the **MOSAYK Platform for hospitals, for the monitoring, sensorisation and establishing of alarms** installed in bracelets or other IoT devices, medical and healthcare contents, nursing control (no need to enter the ICU wearing PPE), webcam with patients, home-hospital videocall service (so that any television can become an interactive system over this platform), streamlining collaboration and communication.



MOSAYK – User Interface



sirt.com/#solutions / mosayk.tv
david@sirt.com



telehealth, monitoring, sensorisation, alarms, biometric bracelets, IoT devices, medical contents, remote nursing control, home-hospital videocalls



ISO 9001, ISO 14001 and CE marking

Validated ID



Validated ID is a technology company that offers a wide range of digital signatures to provide the best solution for the needs of your team and your processes.



Its solutions include:

- **Biometric signature on tablet:** with the capacity to gather strong biometric evidence of the person signing (speed, pressure, inclination, etc.) for face-to-face and mobile situations (offices and travel).
- **Remote signature for smartphones:** this gathers as much evidence as possible from the signature (geolocation, IP, two-step verification by email + SMS) to sign documents with third parties (sales, suppliers, new recruits and dismissals, etc.).
- **Centralised signature:** with digital certificates, for the internal staff of companies who need to sign documents in batches.



validatedid.com
nuria.aguado@validatedid.com



electronic signature, digital signature



[Qualified Trust Service Providers
reconocidos by eIDAS](#)

*The companies that form part of this catalogue are a selection of companies included in the **COVID-19 business marketplace** produced by ACCIÓ, which focuses on promoting the supply of and demand for key items and capacities within the context of this current health crisis. The selection has been made by prioritising the companies with greatest exporting potential, the availability of end product approved within international parameters, and the potential level of interest of their products in the destination countries that this catalogue targets. It is a non-exhaustive selection of companies. ACCIÓ reserves the right to make changes to the specifications of the companies to update, modify or delete contents.*

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