



**United Nations  
Global Compact  
COMMUNICATION ON PROGRESS (COP)  
August 2020 – August 2021**





<b>Company Name</b>	<i>CESVA instruments, s.l.u.</i>
<b>Address</b>	<i>C/ Maracaibo, 6 08030 Barcelona</i>
<b>Country</b>	<i>Spain</i>
<b>Contact name</b>	<i>Joan Casamajó Monclús</i>
<b>Contact Position</b>	<i>General Manager</i>
<b>Contact phone no.</b>	<i>(+34) 934 335 240</i>
<b>Date</b>	<i>1<sup>st</sup> August 2021</i>
<b>Membership date</b>	<i>9<sup>th</sup> June 2008</i>
<b>Number of employees</b>	<i>25</i>
<b>Sector</b>	<i>Instruments for acoustics</i>

# CONTENT

COMPANY DESCRIPTION .....	5
GENERAL MANAGER'S STATEMENT OF SUPPORT.....	7
COMMUNICATION ON PROGRESS SUMMARY .....	8
<b>HUMAN RIGHTS</b> .....	9
Policy and Processes .....	9
Results.....	9
<b>LABOUR</b> .....	10
Policy and Processes .....	10
Results.....	10
<b>ENVIRONMENT</b> .....	13
Policy and Processes .....	13
Results.....	14
<b>ANTI-CORRUPTION</b> .....	20
Policy and Processes .....	20
Results.....	20
SUSTAINABLE DEVELOPMENT GOALS.....	21
<b>GOAL 3:</b> Ensure healthy lives and promote well-being for all at all ages.....	22
<b>GOAL 4:</b> Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.....	23
<b>GOAL 8:</b> Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all.....	23
<b>GOAL 9:</b> Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation .....	23
<b>GOAL 11:</b> Make cities and human settlements inclusive, safe, resilient and sustainable.....	24
<b>GOAL 12:</b> Ensure sustainable consumption and production patterns.....	24
<b>GOAL 15:</b> Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss.....	24

## COMPANY DESCRIPTION



CESVA is a company specialized in the design and manufacture of equipment for noise control and measurement, it was founded in 1969 in Barcelona and has since been working to offer acoustic solutions to end problems related to noise and vibration and help protect the environment and improve the quality of people's life.

Our mission is to help our customers to measure and control both noise & vibration. We do this by designing and manufacturing systems that are extremely easy to use, but which do not compromise on power & functionality.

Our activities are centered mainly on the development and manufacture of precision microphones and acoustic instruments and software applications for all of them, which makes them more powerful and competitive in the national and international market.

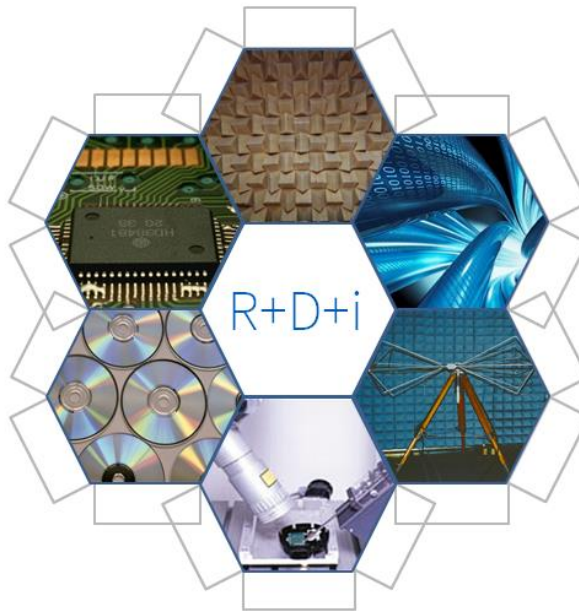


CESVA is certified according to the requirements of ISO 9001:2015 for the design, manufacture, distribution and sale of instruments for the measurement and control of noise

The concept of quality is fundamental in our business philosophy, since one of our priorities is its continuous search and what creates added value for our customers.

We want the future to sound great. We hope to achieve this by offering quality instruments to sound professionals, to enable them to perform measurement & assessment of noise & vibration in the most efficient way possible. We want to help them achieve this whilst meeting & surpassing the technical levels required by the regulations of wherever they are used.

We focus on research and development to create new products, improve quality and maintain competitiveness in the market. Currently CESVA has its own R & D that absorbs 70% of company resources.



We like to listen and identify the needs of our customers to create a relationship of mutual trust. We design and manufacture equipment that meet their needs and comply with the requirements of the latest standard in the market.

Our ongoing commitment to research and development has enabled us to obtain several patents of acoustic instrumentation and being pioneer in the design of equipment with single measurement range and with simultaneous measurement of all functions, using Bluetooth on sound insulation measures or being the first company in Spain to obtain the pattern approval of a sound level meter.

We sit on several committees, both Spanish and International, for the creation and revision of regulations and standards, allowing us to have a global and updated vision of the latest industry requirements.

This global reach, together with a foresighted commercial strategy, has led to our range of products becoming a point of reference in the field of precision instrumentation for sound level measurement.

# GENERAL MANAGER'S STATEMENT OF SUPPORT

These years 2020/2021 have been very difficult years both on a human, social and economic level, the COVID-19 coronavirus pandemic has left a very deep mark on society, affecting us all very closely.

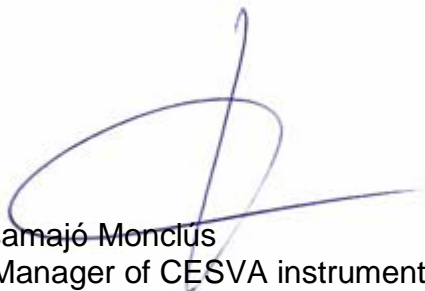
Spain is one of the countries in which these effects have been most intensely noticed, especially those referring to economic activity. We have suffered intermittent lockdowns and economic activity has been reduced to a minimum and in some sectors, such as nightlife, it has completely disappeared.

Fortunately, at CESVA we have not had to regret any loss, neither of workers nor of their closest relatives. We have also been able to continue our economic activity without having to dismiss any of our workers or carry out any temporary labour force adjustment plan. Currently, most of our workers have received the complete vaccination schedule, although the company continues to adopt the recommended protection measures.

Being part of the Global Compact has always allowed us to focus our actions on CSR and has helped us define the strategy for this period of reactivation and recovery that is just beginning. The evaluation of the sustainable development objectives, incorporated in the previous period, August 2019 - August 2020, has allowed us to communicate to our customers more effectively the benefits of our products, especially those related to the sustainability of our "Smart" technology and to the reduction of noise pollution, which is our main business area.

Finally, we commit ourselves to share this information with our stakeholders through our main communication channels.

Sincerely



Joan Casamajó Monclús  
General Manager of CESVA instruments s.l.u.

# COMMUNICATION ON PROGRESS SUMMARY

#	PRINCIPLE	IMPLEMENTED	PROGRESS
1	SUPPORT AND RESPECT THE PROTECTION OF HUMAN RIGHTS	YES	We continue with full commitment
2	MAKE SURE THAT THEY ARE NOT COMPLICIT IN HUMAN RIGHTS ABUSES.	YES	We continue with full commitment
3	UPHOLD THE FREEDOM OF ASSOCIATION AND THE COLLECTIVE BARGAINING	YES	We continue with full commitment
4	UPHOLD THE ELIMINATION OF ALL FORMS OF FORCED AND COMPULSORY LABOUR.	YES	We continue with full commitment
5	UPHOLD THE EFFECTIVE ABOLITION OF CHILD LABOUR	YES	We continue with full commitment
6	UPHOLD THE ELIMINATION OF DISCRIMINATION IN RESPECT OF EMPLOYMENT AND OCCUPATION.	YES	We have supported, offering flexible schedules, the vaccination of all our employees. Currently most have received the full vaccination schedule.
7	SUPPORT A PRECAUTIONARY APPROACH TO ENVIRONMENTAL CHALLENGES.	YES	We continue with full commitment
8	UNDERTAKE INITIATIVES TO PROMOTE GREATER ENVIRONMENTAL RESPONSIBILITY.	YES	We continue being sponsors of the International Year of Sound 2020/2021.
9	ENCOURAGE THE DEVELOPMENT AND DIFFUSION OF ENVIRONMENTALLY FRIENDLY TECHNOLOGIES.	YES	We have pushed our noise monitoring solution for Smart Cities.
10	WORK AGAINST CORRUPTION IN ALL ITS FORMS, INCLUDING EXTORTION AND BRIBERY.	YES	We continue with full commitment



# HUMAN RIGHTS

## HUMAN RIGHTS

**1:** Businesses should support and respect the protection of internationally proclaimed human rights; and

**2:** make sure that they are not complicit in human rights abuses.

The first two principles cover the area of **Human Rights**: Businesses should support and respect the protection of internationally proclaimed human rights; and make sure that they are not complicit in human rights abuses.

### Policy and Processes

In order to ensure that CESVA is not complicit in human rights abuses, we have adopted a policy of not sourcing materials from countries with a systematically poor human rights record.

All our customers, suppliers and employees have been informed of the policies of corporate social responsibility.

### Results

In 2021 CESVA did not import goods from, nor do business with any companies in countries with a systematically poor human rights record.

## LABOUR

3: Businesses should uphold the freedom of association and the effective recognition of the right to collective bargaining;

4: The elimination of all forms of forced and compulsory labour;

5: The effective abolition of child labour; and

6: The elimination of discrimination in respect of employment and occupation.

The second area covered by principles 3 to 6 is that of **Labour Rights**: Businesses should uphold the freedom of association and the effective recognition of the right to collective bargaining; the elimination of all forms of forced and compulsory labour; the effective abolition of child labour; and the elimination of discrimination in respect of employment and occupation.

### Policy and Processes

CESVA has a policy of recruitment based strictly on qualification and ability.

Factors such as sex, religion or sexual orientation play no part in the recruitment process.

In addition, in line with the policy described in reference to Human Rights, we ensure that our suppliers do not use child labour in their production processes.

We reject all forms of intolerance, bullying or discrimination. We consider any of these manifestations are disrespectful and unacceptable practice in our company. The transparency and honesty govern our every action in this area.

Training is also an integral part of our company culture. Our workers are aware of the need to constantly improve their knowledge and skills.

During the period of incidence of the COVID-19 pandemic, the company has adopted the occupational health and safety measures recommended for this situation; as well as the reorganization and adaptation of our premises and workplace. We have also supported, offering flexible schedules, the vaccination of all our employees.

### Results

In 2021 CESVA did not import parts from companies that use child labour in their production processes.

Employees and Management have taken training courses to improve their knowledge and skills.

All CESVA employees are paid according to their qualifications and the work that they carry out, independent of factors such as sex or religion, etc.

## **CONCILIATION MEASURES DURING THE STATE OF ALARM DUE TO COVID-19 PANDEMIC**

During this period, CESVA has adopted the following measures:

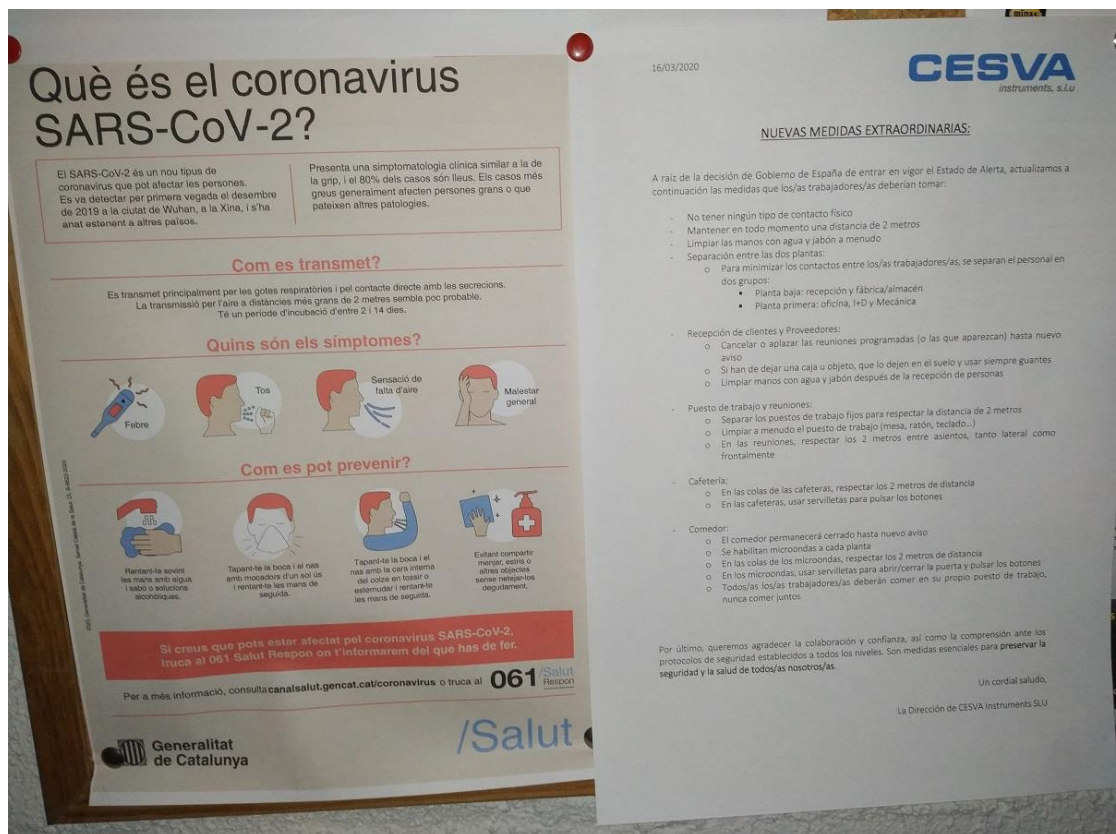
- Adapt working hours to facilitate balancing family and work life. Especially workers with school-age children that have their educational centres closed.
- Avoid the stoppage of industrial activity and the adoption of a Temporary Labour Force Adjustment Plans.

## **HYGIENIC MEASURES FOR THE PREVENTION OF COVID-19**

CESVA has worked intensively to guarantee maximum day-to-day security for its clients and employees.

For this reason, it has adopted the following extraordinary prevention measures:

- Reinforcing hygiene measures providing FFP2 face masks to all the staff.
- Recommend the use of videoconference or telephone calls for meetings between departments and with clients or suppliers.
- Online realization of all workshops and meetings.
- Allow only face-to-face meetings for employees with the complete vaccine schedule.



## ENVIRONMENT

**7:** Businesses are asked to support a precautionary approach to environmental challenges;

**8:** undertake initiatives to promote greater environmental responsibility; and

**9:** encourage the development and diffusion of environmentally friendly technologies.

Principles 7 to 9 pertain to the area of **Environmental Protection**: Businesses are asked to support a precautionary approach to environmental challenges; undertake initiatives to promote greater environmental responsibility; and encourage the development and diffusion of environmentally friendly technologies.

At CESVA we assume respect for the environment as a fundamental factor in the performance of our activities, especially in the field more closely linked to our business: noise pollution.

We operate responsibly in order to respond to the needs of our customers, always trying to minimize negative environmental impacts that may arise from it.

### Policy and Processes

At CESVA we keep with the policy of “reduce, reuse and recycle” in the factory.

We continue being active members of ECOTIC

ECOTIC Foundation is a non-profit private organization that works towards environmental protection and sustainable development through the awareness and training of manufacturers, distributors and users of electrical and electronic devices.

ECOTIC Foundation manages the WEEE (collection and recycling of electrical and electronic devices at the end of their lifespan) of its affiliated enterprises through its Integrated Management System (IMS).

The mission of ECOTIC Foundation is not only to conveniently recycle the wastes that are generated by its affiliates after the use of these devices, but also to do it in the most efficient and economically feasible way, so that the system is environmentally and economically sustainable to guarantee its durability.

We have joined ECOEMBES, a non-profit organization that takes care of the environment through the recycling of packaging in Spain, making it possible for plastic packaging (yellow container) and cardboard packaging (blue container) to have a second Life.

We are equally committed to our support for environmental protection, especially in the field most closely related to our business: noise pollution. We have also devoted much of our efforts to disseminating and transmitting

the philosophy of smart cities, so that the future of many cities is socially, environmentally and economically more sustainable.

## Results

The results achieved applying the 3R policies are positive.

CESVA is listed in the National Register of Industrial Establishments producing Electrical and Electronic Equipment (WEEE).

GOBIERNO DE ESPAÑA MINISTERIO DE INDUSTRIA, COMERCIO Y TURISMO SEDE-e Sede electrónica del Ministerio RII\_AEE

Consulta de productores inscritos

Filtros Relación de productores

Señ.	Nº RII_AEE	Nombre	Razón social	Documento	SCRAP	CCAA	Provincia	País
Q	761	CESVA INSTRUMEN...	CESVA INSTRUMEN...	NIF - B08917023	SCRAP	CATALUÑA	Barcelona	ESPAÑA
Q	762	SEVERIN ELEC. ESP...	SEVERIN ELECTRO...	NIF - B81737231	SCRAP	MADRID	Madrid	ESPAÑA
Q	786	VIRUTEX S.A.	VIRUTEX S.A.	NIF - A08391765	SCRAP	CATALUÑA	Barcelona	ESPAÑA
Q	787	GN AUDIO SPAIN SA	GN AUDIO SPAIN SA	NIF - A82416280	SCRAP	MADRID	Madrid	ESPAÑA
Q	861	BLUSENS TECHNOL...	BLUSENS TECHNOL...	NIF - B15725849	SCRAP	GALICIA	Coruña, A	ESPAÑA
Q	864	DRÄGER SAFETY HI...	DRÄGER SAFETY HI...	NIF - A83140012	SCRAP	MADRID	Madrid	ESPAÑA
Q	865	GIGAMES, S.L.	GIGAMES, S.L.	NIF - B62715362	SCRAP	CATALUÑA	Barcelona	ESPAÑA
Q	867	INGRAM MICRO S.L.	INGRAM MICRO S.L.	NIF - B78076395	SCRAP	CATALUÑA	Barcelona	ESPAÑA
Q	868	LABORATORIOS UN...	LABORATORIOS UN...	NIF - A08032401	SCRAP	CATALUÑA	Barcelona	ESPAÑA
Q	873	PROCLINIC S.A.	PROCLINIC S.A.	NIF - A08820953	SCRAP	CATALUÑA	Barcelona	ESPAÑA
Q	874	X-GEM IBÉRICA S.A	X-GEM IBÉRICA S.A	NIF - A28616282	SCRAP	MADRID	Madrid	ESPAÑA
Q	875	SIBEL S.A.	SIBEL S.A.	NIF - A08628174	SCRAP	CATALUÑA	Barcelona	ESPAÑA
Q	876	STERIS IBERIA, S.A.	STERIS IBERIA, S.A.	NIF - A80587876	SCRAP	MADRID	Madrid	ESPAÑA
Q	879	WMS GAMING INTE...	WMS GAMING INTE...	NIF - B62078753	SCRAP	CATALUÑA	Barcelona	ESPAÑA
Q	882	FAGOR ELECTRODO...	FAGOR ELECTRODO...	NIF - F20020517	SCRAP	PAÍS VASCO	Guipuzkoa	ESPAÑA

Mostrar 15 Registros Primera Anterior Página 13 de 204 Siguiendo Última Registros 181 al 195 de 3054

D.G. de Industria y de la Pequeña y Mediana Empresa - E04934602  
 Gobierno de España. Ministerio de Industria, Comercio y Turismo.  
 P. de la Castellana 160, C.P. 28046 Madrid España

Accesibilidad W3C MAI-AA WCAG 2.0

We continue to make the environmental management of batteries with ECOPILAS Foundation which is recorded in the register of foundations of the Spanish Ministry of Environment






CESVA is listed as a member company of ECOEMBES:

ecoembes CIUDADANOS EMPRESAS RECICLADORES ADMINISTRACIONES PÚBLICAS Iniciar sesión ES | EN | CA

Sobre nosotros ¿Cómo podemos ayudarte? Tarifa Punto Verde Actualidad Publicaciones Gestiones y solicitudes

Inicio / Empresas / Buscador Empresas

## Buscador Empresas



Actualmente más de 12.000 empresas envasadoras y comercios adheridos al S.I.G. gestionado por Ecoembes. En esta sección podrás ver cuáles son y en qué Comunidad Autónoma está su razón social.

Actualizado el 05/07/2021.

Razón social	Comunidad Autónoma	Cif	
cesva	Todos		Buscar

Mostrando 1 - 1 de 1 empresas

Título	Comunidad Autónoma	Cif
CESVA INSTRUMENTS S.L.U	CATALUÑA	B08917023

Descargar Datos

## BFORPLANET 2021



We have virtually attended the **BFORPLANET** event held in Barcelona & online during 7 and 8 of July.

**BFORPLANET** is the prime global event for sustainability, bringing together international business leaders to discuss and propose solutions to the big challenges currently facing humanity.

The event aims to create a platform for advancement of SDG Alliances in the spirit of Goal 17: “to strengthen the means of implementation and revitalize the global partnership for sustainable development”. **BFORPLANET** fully supports the Sustainable Development Goals

We have also incorporated the Sustainable Development Goals on the cover of our product presentations. This has allowed us to more effectively communicate to our customers the benefits of our products to achieve the SDGs, especially those related to the sustainability and noise pollution reduction.

**CESVA**

Gestió Smart del soroll a Badalona



Fotografía realizada por Jorge Franganillo



23 de febrer de 2021

## INTERNATIONAL NOISE AWARENESS DAY

We participated, as guest speakers, in the first day of celebration of the international noise awareness day held online on April 27 and organized by the Instituto para el Acondicionamiento, Conservación y Desarrollo Territorial INPACTA of Peru and the Peruvian Institute of Acoustics and Vibroacoustic INPAVAC.



## MONITOREO DE RUIDO AMBIENTAL Y CIUDADES INTELIGENTES



27 de abril de 2021



### INTERNATIONAL YEAR OF SOUND 2020/2021

Unfortunately, the beginning of the year 2020 coincided with the spread of the coronavirus in the whole world. In view of this the organization decided to extend the celebration of the IYS to 2021, to allow for the rescheduling of the cancelled events and the extension of the deadline for the submission of the students competition to the end of 2020. This way everybody will have the time to celebrate the IYS as originally scheduled.

CESVA continued sponsoring such a valuable initiative.

The International Year of Sound has contributed to sustainable development and intercultural dialogue through education, science, culture and communication. It is also significantly helping the development of UNESCO's missions in building peace and understanding worldwide that the sound environment is a key component in the balance of all human beings, in their relationship with others and with the world.









#### **“COVID-19 NOISE REDUCTION”LINKEDIN GROUP**

“COVID-19 Noise Reduction” is a group of experts in the professional social network LinkedIn. It is currently made up of 219 members from countries around the world.


The objective of this group is to report noise data from a specific location before, during and after confinement by COVID-19.

The group, led by Marçal Serra (Acoustics manager at CESVA), weekly receives information about the noise levels during these intermittent lockdowns due to COVID-19.











## COVID-19 Noise Reduction

 Grupo publicado


219 miembros

Incluyendo a Kay Hatlestad (she/her) y 118 contactos más









[Invitar a contactos](#)


[Ver todo](#)



Empieza una conversación


 Foto

 Video

 Encuesta

**Todo**

Recomendado




**Walter Montano** • 1er

Director técnico en Arquicust

18 horas • Editado

Lima, Peru: The other face of the pandemic. Musicians have to collect some tips singing in the streets.

[Ver traducción](#)




Acerca de este grupo

Very hard days are waiting us due to COVID-19 in terms of physical health (many people are dying), emotional state and economy. Plenty of countries have declared the state of alarm that involves confinement and a decrease in the industrial and leisure activity...

[Ver todo](#)


Administradores



**Marçal Serra Joan**

• Tú **Propietario**

Director de Acústica en CESVA instruments



**Walter Montano**

• 1er **Administrador**

Director técnico en Arquicust

The group can be accessed through the following link:

<https://www.linkedin.com/groups/13844820/>

## ANTI-CORRUPTION

### ANTI-CORRUPTION

**10:** Businesses should work against corruption in all its forms, including extortion and bribery.

The tenth principle deals with the problem of **Corruption**, and states simply that: Businesses should work against corruption in all its forms, including extortion and bribery.

### Policy and Processes

CESVA has always adhered to this principle. It may be that there are companies who resort to bribery to win contracts, but CESVA has never entertained the idea that this could, under any circumstances, be an acceptable business practice, even when it has cost us contracts or tenders.

### Results

CESVA does not, and never has resorted to bribery or extortion.

## SUSTAINABLE DEVELOPMENT GOALS



CESVA has always had the following sustainable development goals fully integrated into the company's business model:

- **GOAL 3: Ensure people's health and well-being**, through the fight against noise pollution. Noise is one of the complaints that most reduces the quality of life of people. Its relationship with health is undeniable: noise produces insomnia, stress, anxiety, deafness and social isolation.
- **GOAL 4: Ensure quality education**, through collaborations with universities and professional colleges we have always carried out training on the use of our equipment applied to different acoustic measurements: Environmental, insulation, noise control in leisure activities, etc.
- **GOAL 8: Promote sustainable economic growth**; CESVA has never had the objective of profiting economically through our business activity. We are a medium-sized company with more than 50 years of experience and we are very proud to continue being a small company.
- **GOAL 9: Foster innovation**, innovation is part of CESVA's DNA. We have various invention patents on instruments for noise measurement and control. Most of CESVA's profits are reinvested in the R+D+i department.



Our current priorities are directed towards technology sectors related to the Internet of Things and Smart Cities. Our objective is to promote that these cities adopt the noise vector as an indicator of annoyance and to promote noise management practices to improve citizen's quality of life of. In these sectors we try to move towards achieving the following sustainable development goals:

- **GOAL 11: Make cities resilient and sustainable**, in all the smart city sensorization projects in which we intervene, we emphasize that the smart city must be sustainable or it will not be. It is useless to build a smart city if after a short period of time there is no budget to maintain the sensor network, which is precisely what provides intelligence to the project.
- **GOAL 12: Ensure sustainable consumption patterns**, the sensing of cities cannot be governed by the criteria of the more sensors the better. The sensors must be installed in the places that are really necessary and their return must be valued through the economic savings they generate and the increase in the quality of life of the citizens. Criteria such as the carbon footprint must be taken into account during the sensor purchase process.
- **GOAL 15: Sustainably manage forests and halt biodiversity loss**, among the smart city projects that we are most passionate about are those for the declaration of a special zone for the protection of acoustic quality. Open field areas such as natural parks, protected areas or areas of natural interest where their unique soundscape wants to be preserved.



The actions carried out by our company to achieve the chosen sustainable development objectives are detailed below:



### GOAL 3: Ensure healthy lives and promote well-being for all at all ages

- We continue to sponsor the initiative “International Year of Sound 2020/2021” whose objective is to spread the importance of sound for society and the world. We have collaborated with the International Commission for Acoustics (ICA), to promote good sound practices in all areas, especially from early childhood.
- We continue to manage the discussion group “COVID-19 Noise reduction” in the LinkedIn professional network on noise reduction during confinement by COVID-19.





#### GOAL 4: Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all

- We continue to be collaborators of the Master in Architectural and Environmental Acoustics by La Salle, Ramon Llull University.
- We have held webinars on different topics to train our clients in the use of our instruments for acoustic measurements.
- We have recorded these webinars and made them available on our YouTube channel.



#### GOAL 8: Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all

- We have maintained our business activity promoting teleworking when possible. Especially with workers belonging to risk groups.
- We have maintained our business activity promoting labour flexibility and teleworking especially that of workers with some of their relatives under home confinement.
- We have avoided by all means making Temporary Labour Force Adjustment Plans.



#### GOAL 9: Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation

- We have taken full advantage of the decline in commercial activity to focus on developing new products that will be launched during 2021.
- We have used telematic communication and dissemination platforms for communication with our customers and distributors.
- We have strengthened our presence in social-networks and above all expanded the video content of our YouTube channel.



### GOAL 11: Make cities and human settlements inclusive, safe, resilient and sustainable

- We have also dedicated a large part of our efforts to disseminating and transmitting the philosophy of smart cities, so that the future of many cities is socially, environmentally and economically more sustainable.
- We have transmitted the need for planning Smart City projects, including annual maintenance costs in our TA120 sensor offers.



### GOAL 12: Ensure sustainable consumption and production patterns

- In smart city projects we have promoted the philosophy of choosing the minimum number of sensors that are really essential and that in these projects the cost of maintenance is taken into account.
- We have been working on reducing the cost of maintaining the products belonging to the smart cities catalogue.



### GOAL 15: Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss

- We have collaborated with the Korkeasaari Zoo in Helsinki and the city's innovation unit, Forum Virium Helsinki, in a study program on how the growth of the city and the increase in noise levels that this generates affects the well-being of zoo animals. The impact of noise caused by works, traffic noise and other sources that come from the city is evaluated by correlating the noise levels measured by noise sensors with the changes produced in the metabolism and behaviour of the animals.



## STUDY AND PRESERVATION OF QUIET AREAS

Korkeasaari Zoo (Helsinki)



Information obtained from Korkeasaari zoo photo archive. Project partners: Forum Virium Helsinki, Korkeasaari Zoo, Inria, Ambiciti.





Maracaibo, 6 • 08030 Barcelona (Spain)

[www.cesva.com](http://www.cesva.com)