

Comprehensive solution for the management of noise generating activities



Characteristics

- **COMPLETE** solution for the management of noise generating activities: **REGISTER + TRANSMISSION + STORAGE + SUPERVISION.**
- Saves **TIME** and **RESOURCES.**
- **MEASURES** and **REGISTERS** all acoustic data and incidents.
- **AUTOMATIC** transmission without displacements nor intermediaries.
- Storage in database with **SECURE** certified server.
- Consult online via web browser. **NO NEED TO INSTALL PROGRAMMES.**
- User-friendly environment for **TECHNICIANS** and **ADMINISTRATIVE STAFF** alike.
- Visual environment with **INFORMATION IN LAYERS: Administrative and Technical.**
- **THOROUGH ANALYSIS** of activities to facilitate decision making.

LIDACO is the solution developed by **CESVA** for the comprehensive management of noise generating activities; in particular those relating to the music and leisure sectors: Discos, bars, restaurants, shops, gymnasiums, etc.

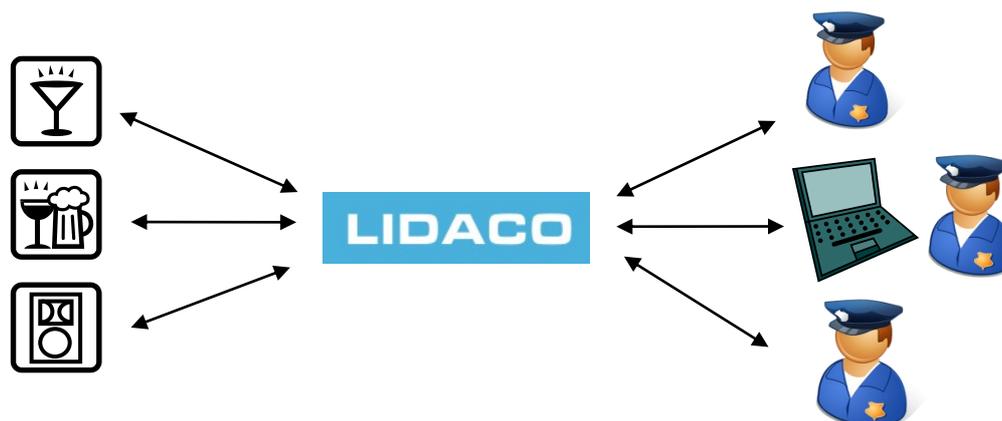
With **LIDACO** control and monitoring of these activities is possible, whether in towns and cities with high saturation areas with large numbers of activities, or in small towns with fewer activities.

No more problems to control noisy activities! **LIDACO** system gets maximum efficiency with minimum effort: reduced time dedication and resource optimization.

Activities are administered online. Data is accessed via any internet browser, accessing a website with a user-friendly, intuitive design which displays the incidents and sound levels of all activities.

LIDACO can also be used in industrial environments for the monitoring and control of industrial plants, factories, building sites, etc.

REGISTER + TRANSMISSION + STORAGE + SUPERVISION



Comprehensive solution for the management of noise generating activities

Characteristics

- **Programming session schedule (only available for LRF-05).**
- **Access controlled by user name and password, 24 h, from any part of the world.**
- **Print reports.**
- **No need to analyse all the data: just the incidents.**
- **SEMAPHORE type indicators **

The system is based on the installation of logger limiter equipment which controls and registers sound levels, (emission and immission) and incidents. All this data is sent automatically to a database on the internet with a secure server, avoiding the tedious work of downloading the data. This means that displacements are not necessary, and information which would otherwise be impossible to obtain is easily accessible.

The system displays the incidents and levels of all activities. Moreover this application allows you to remotely program the session schedule of limiters. (Only available for LRF-05).

Access to the information is layered, which means it is not necessary to see all the data sequentially, but the most conflictive periods can be easily accessed .



*Instant data retrieval without displacements.
Automatic transmission.*

Components of LIDACO

- **CESVA Logger Limiters LRF-05 / LRF-04 / LCA-02 / RS-60:** Instruments for the control and registering of sound levels (emission and immission) and incidents connected to noise generating activities.
- **Connection module:** GPRS modem or LAN adapter.
- **Portal www.lidaco.com:** User-friendly website environment, to facilitate inspections, monitoring and decision making regarding noise generating activities.
- **Accessories:**
 - **Giant external display DL100:** Display with giant illuminated digits, ideal for showing sound pressure levels in outdoor and poorly lit environments.
 - **Sealing kit:** Includes ALMB-1 roll of wire (50m) and PLOM-1 bag of lead seals (1 kg) .
 - **High-gain antenna AN280:** High-gain antenna for modem, (no electrical supply needed).

LIDACO is a complete solution as it incorporates the REGISTERING of noise levels, and incidents, the automatic TRANSMISSION of data, its STORAGE in a secure database, and facilitates its SUPERVISIÓN and DECISION MAKING. REGISTERING

CESVA REGISTERING

logger / limiters measure the parameters necessary to evaluate noise levels (emission and immission). In addition they incorporate SIAC, a robust, powerful system for the detection, measurement and analysis of all incidents.

TRANSMISSION

All the data is sent to the modem, which automatically transmits it, via GPRS, to a database, avoiding the need for intermediaries and displacements from the office.

The number of instruments which can be connected is unlimited

STORAGE

The data transmitted is stored in a database hosted by a server with a certificate of security.

PROGRAMMING

LIDACO allows remotely programming the session schedule (opening and closing time), without having to go where the limiter is located (only available for LRF-05).

Information in layers.
Direct access to incidents.



Activities analysis: List of incidents



Activities analysis: Emission graphic

Fecha inicio	Fecha final	Tempo	Activación emisión	Nivel emisión	Límite emisión	Pasadas emisión	Activación recepción	Nivel recepción	Límite recepción	Pasadas recepción	Log 1 hora	Log 24 horas
02/12/09 23:20	02/12/09 23:30	10	Levanta	89.7	95	0	Levanta	33.9	25	0	79.2	29/12/09
02/12/09 23:30	02/12/09 23:40	10	Levanta	79.3	95	0	Levanta	33.9	25	0	80.4	02/12/09
02/12/09 23:40	02/12/09 23:50	10	Levanta	80.4	95	0	Levanta	23.6	25	0	83.4	02/12/09
02/12/09 23:50	02/12/09 00:00	10	Levanta	81.3	95	0	Levanta	23.7	25	0	83.3	02/12/09
02/12/09 00:00	02/12/09 00:10	10	Levanta	82.8	95	0	Levanta	25.7	25	19	83.9	02/12/09
02/12/09 00:10	02/12/09 00:20	10	Levanta	94.2	95	41	Levanta	26.7	25	291	85.3	02/12/09
02/12/09 00:20	02/12/09 00:30	10	Levanta	94.5	95	227	Levanta	28	25	528	87.7	02/12/09
02/12/09 00:30	02/12/09 00:40	10	Levanta	97.2	95	261	Levanta	27.5	25	621	89.1	02/12/09

Activities analysis: Register table



Activities analysis: Activity data

SUPERVISION and DECISION MAKING

Access to data is online, via any internet browser, without any need to install programmes.

The website working environment simplifies use both for technicians and administrative staff and enables supervision to be carried out in a personalised corporate space.

The starting point is the portal www.lidaco.com. Access is restricted by username and password, and is available 24 hours a day, from anywhere in the world. The only condition is access to the internet.

With **LIDACO**, all the information is explored in a visual environment which enables the user, at a glance, to detect conflictive data, and analyse problematic activities and periods directly. In this way it is not necessary to analyse all the data, thus maximising use of resources.

The information in **LIDACO** is presented in layers:

The **Activities Analysis** tab provides information about the premises that presents incidents (with an indicator of severity), the premises that have not sent information and premises no incidents.

With a simple click on an activity, you can display its details. The application allows you to see the programming data of the limiter, the activity data, its location in an interactive map and the sound pressure level data in the emission and reception rooms, both graphically and numerically. It also presents a complete graph where you can see all the registered levels, along with the incidents occurred during the selected time interval. It is a very powerful tool for obtaining a radiography of the activities. With it, you can evaluate the activities and take the right decisions.

The presentation of these data is done in a simple and intuitive way.

LIDACO generates two different types of reports: one with graphics of incidents where you can choose the information to be displayed and the other with the records stored in the limiter recorder.

*Information in layers.
Direct access to incidents.*



Limiters tools: Analysis of the current status of activities



Limiters tools: Current status



Limiters tools: Schedule programming



Limiters tools: Backup



Users administration: Inspectors

The **Limiters Tools** tab displays on screen the current state analysis of all activities. Indicates the date of the last connection with the limiter and the coverage of the communication set located in the local. Also reports whether the equipment has activated the system self-test (SIVAC). Also indication appears that summarizes the status of the connection system. The same tab indicates if programmed remotely limiter and the last backup date.

Through **Limiters Tools** tab you can view the current status of the devices installed in the system, edit the data on the activity, program the session schedule (only available for the model LRF-05) and back up the stored data.

The **Users administration** tab allows the administrator to add new users: inspectors (assigning which activities they will have right to access), installers and owners. It depends of the type of user, it displays a type of information or another.

The **Settings** up my profile tab you allow to specify the user profile options to search activities and design options.

LIDACO is a comfortable and intuitive application that allows individually adjustment to user needs, which eases the performance of their tasks.



Large city with a high number of activities, both concentrated and dispersed



Small urban area with a reduced number of activities.

Large geographic area with dispersed activities

STRATEGIES

LIDACO enables the user to control and supervise large cities with a high number of activities as well as small urban areas with a small number of activities distributed over a large area.

Large cities manage a large number of activities, for which they have the necessary human resources. The Problem: the amount of data. **LIDACO** makes it viable: the data is always ready, and the administrative personnel can indicate to the technical personnel which activities need their attention.

On the other hand, in small urban areas just one person is responsible for managing everything connected to the activities (generally not many), among other duties. The Problem: There is not time to download nor analyse the data. **LIDACO** makes it possible: the data will always be ready, and analysis will be as easy as looking up the weather forecast on the internet.

LIDACO is also the solution for the management of activities dispersed over a large geographical area (e.g. a chain of gymnasiums around the country).

Take a firm grip of the noise generating activities under your responsibility. It's easy! Simply switch on your computer, open your web browser and type in www.lidaco.com.

Las characteristics, technical specifications and accessories may vary without prior notice

