



Lyon: the European reference for
innovation in acoustics

ONLY LYON 
ADERLY

Key figures

on Lyon and the Rhône-Alpes Region:

- France's **2nd** largest region
- **6 million inhabitants**: a population larger than Ireland's, Finland or Denmark
- Europe's **5th** highest regional GDP and **2nd** in France
- More than **180 million** potential consumers less than a day's drive away
- More than **35,000** management jobs to be created between 2010 and 2015, compared to 12,000 in the Paris area.

Direct flights to 53 international destinations:

Amsterdam, Basel, Barcelona, Berlin, Bologna, Brussels, Copenhagen, Düsseldorf, Frankfurt, Gothenburg, London, Madrid, Milan, Moscow, Munich, Prague, Rome, Stuttgart, Zurich...

Three TGV high-speed train stations for local, national and European destinations.

France's most extensive motorway network

France's leading public transport system outside Paris:

4 subway lines, 4 tramway lines, 2 funicular lines and nearly 100 bus lines serving more than 55 towns within a 60-km radius.



The acoustics sector in Lyon / Rhone-Alps



Noise pollution is a key concern for both residents and the business community, while efforts to reduce noise are governed by increasingly strict national and European regulations, as can be seen in the EU "Environmental Noise" directive. Large metropolitan areas are required to establish noise maps and implement a plan of action for reducing noise pollution.

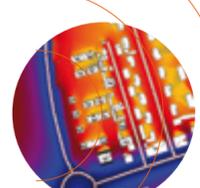


France's most innovative acoustics cluster offers:

- Nearly **150** businesses employing 1,000 people
- Annual sales of **€130 million** (i.e. 20% of the national market)
- **16** public research labs and three higher education programs
- The **APPEL network** green-businesses based in the Rhône-Alpes region, which also represents several acoustics professionals in the area
- A **range of clusters** concerned by acoustics and vibrations issues:
 - Lyon Urban Truck & Bus (Automotive)
 - Eco-Energies (Green Building)
 - EDEN (Defense and Security),
 - Axelera (Chemicals/Environnement)
 - Techtera (Technical Textiles)
 - Aerospace
 - PIC (Constructive Innovations)

All segments of the acoustics market are well represented:

- **Architectural acoustics:** eco-construction, HEQ, etc.
 - **Environmental acoustics,** especially noise barriers
 - **Transportation acoustics, truck and bus, automotive:** aeraulics and engine noise
 - **Electro-acoustics:** control and equipment in performance halls
- and more.**



Along with a full range of expertise:

- Engineering and design firms
- Sound-proofing and sound equipment manufacturers
- Instrumentation systems and software suppliers
- Testing centers
- Measurement and modeling services
- Public research centers and training organizations
- Psychoacoustics consultants and more.

Take advantage of a skilled workforce trained at specialized public research and academic institutions

- **CSTB** (Scientific and Technical Center for Building): LABE - European Laboratory of Acoustics in Building. www.cstb.fr
 - **CETIAT** (Technical Center for Aeraulics and Heat Industries): Laboratory for diagnosis, testing and calibration in the fields of aeraulics, heating and acoustics. www.cetiat.fr
 - **INRETS** (National Institute for Transport and Safety Research): Transport and Environment Laboratory. www.inrets.fr
 - **INSA Lyon** (National Institute of Applied Sciences): Acoustic Vibrations Laboratory. www.insa-lyon.fr
 - **Ecole Centrale de Lyon** school of engineering: Fluid Mechanics and Acoustics Laboratory. www.ec-lyon.fr Tribology and System Dynamics Laboratory. <http://ltds.ec-lyon.fr/presentation/generale.php>
 - **ENTPE** (National School of Public Works): LASH - Housing Sciences Laboratory. www.entpe.fr
 - **CERTU** (Center for the Study of Networks, Transport, Urban planning and Public Works). www.certu.fr
 - **Grenoble School of Architecture:** Cresson Laboratory - Center for Research on Sonic Space & Urban Environment. www.cresson.archi.fr
 - **AVTECH**, University Technology Institute of Saint-Etienne
 - **INSERM:** Therapeutic applications of ultrasound laboratory. www.inserm.fr
- and others.**

Join the leaders in the field...

- **01dB-Metrvib:** experts in acoustics and vibration, offering a complete range of products and solutions in the field of vibroacoustics
- **Vibratec:** advanced technical services in the field of acoustics and vibrations
- **EnvironneTech:** measurements and testing of acoustics and vibrations for the automotive, aeronautic, rail, defense and energy sectors
- **SolData Acoustic:** noise monitoring & environmental noise management worldwide (Process Industry, Energy & Cleantech, City & Territories)
- **Acouphen:** acoustic and vibration engineering for the construction, environment and transport infrastructure sectors
- **Matelys-Acoustique et Vibrations:** research lab on porous materials used in acoustics and vibrations
- **Acoustb:** design and acoustic measurements for major infrastructure and industrial environments and buildings
- **dB Vib Groupe:** three companies for all needs: service company in acoustic, vibration and infrared thermography, acoustic engineering, equipments supplier and training
- **Decibel France Insonorisation:** industrial, environmental and service sector acoustics, with applications in all types of activities
- **Bruel & Kjaer:** world leader in instrumentation and dedicated software for acoustic, vibrations and signal processing
- **Marmonier:** offers an innovative approach to acoustics, covering all aspects of noise and sound control: from identifying the challenges to defining the needs and supplying viable solutions open to the latest technological possibilities
- ...

... and industrial firms with specific acoustics applications:

- **Aeraulics:** Aldes, France Air, Anjos Ventilation, CIAT, Swegon...
- **Transport:** Renault Trucks, Irisbus Iveco...
- **Household appliances:** Groupe SEB...
- **Textiles:** Ferrari...
- **Construction:** Vicat, Lafarge...

Find out more about regional firms and organizations in the field of acoustics on the APPEL website: www.eco-entreprises-appel.com



The airport is a model site and genuine technological showcase for the integration of architectural acoustics (TGV station and ARC building), advanced acoustic measurement technologies and innovations.

Trade shows and international events in Lyon

- **Pollutec** (International exhibition of environmental, equipment, technologies and services) www.pollutec.com
- **Equipville** (Exhibition of urban amenities and development) www.equipville.com
- **French National Congress on Acoustics** www.cfa.sfa.asso.fr

And numerous international conventions



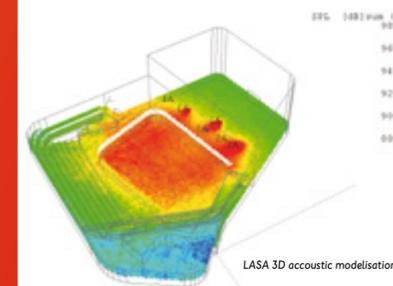
Grand Lyon, one of the only French metropolises with three environmental sound observatories

- **Rhône County** observatory of existing and future major transport infrastructures (roads and railways).
- **Lyon metropolitan area observatory** (Acoucity) which continually maps and networks measurements and provides assistance to other French urban areas.
- **Lyon-Saint Exupéry Airport observatory** (ODESA): the first observatory developed by a French airport to measure the real impact of the facility on its environment.

Success story

LASA (acoustics and vibration engineering) opened an office in 2007 in the Lyon-Part Dieu business district. Established in 1975 in Paris, LASA (20 consultants) has become a leading consulting firm for acoustic engineering thanks to its recognized efficiency, impressive references and innovative drive. The company deploys its expertise in areas such as construction, the environment and industry. LASA makes an ongoing contribution to improving our living and working environment by ensuring comfortable sound levels, optimized acoustic performance of buildings and systems and by reducing sound disturbances.

www.lasa.fr



Succeed faster!

Benefit from Aderly's expertise, based on more than 30 years of experience in business projects:

We make it easier for you to set up your company, with our free, attentive, customized services:

- Information on the Lyon region: its economic and industrial fabric
- Scouting for the best and cheapest property and real-estate solutions adapted to your professional requirements
- Putting you in contact with Lyon's networks and introducing you to companies or potential customers and partners
- Assisting you in your relations with the local authorities
- Providing you with advice for your administrative, tax and financial formalities (lawyer, accountant, consultant...)
- Helping you recruit future specialists from well-adapted training programs
- Helping your employees get settled (housing, children's schooling, spouse's employment, etc.).



ARE YOU LOOKING TO SET UP A BUSINESS? CONTACT US!

ONLY LYON 

ADERLY | LYON AREA ECONOMIC DEVELOPMENT AGENCY

Place de la Bourse - 69289 Lyon Cedex 02 - FRANCE
aderly@aderly.com / +33 (0)4 72 40 59 63
www.aderly.com / www.onlylyon.org