



*L'ingénierie  
acoustique et vibratoire  
depuis 1978*



**Auditoriums – Conference Halls**

# LASA : Acoustic and vibration engineering since 1975

L'ingénierie  
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# 4.9

million euros

revenue in 2024

# 5000

clients

trusting us since 1975

# 25

software tools

developed in-house by LASA

# 5



OPQIBI qualifications

Professional Qualification Organization for Engineering, Construction and Industry

# 10

sites

Paris – Lyon – Bordeaux – Marseille  
Rennes – Nantes – Toulouse – Annecy  
Antilles – Guyana

# 6

partners

all actively involved in the firm

# 90

sound level meters

vibration analysers, single or multichannel

# 20

noise and vibration sources

omnidirectional, directional, standalone,  
low frequencies, shock machines



## Comprehension

of architectural and client requirement

## Feasibility

of site construction

## Advanced optimisation

of proposed solutions

## Satisfaction

of our clients

# 50

team members

experts and passionate about their craft

# 10 000

completed projects

# United Nations House – Diamniadio – Senegal

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**Completion :** 2018 - 2021  
**Architects :** Wilmotte & Associés

**Description :** Design of the United Nations House in Diamniadio, hosting the 34 UN agencies present in Senegal. The building includes central public and official functions, peripheral office plateaus, and a 495-seat hemicycle.

**LASA's scope :** Acoustic technical assistance to the design team during the design phase, including 3D numerical modelling for internal acoustic prediction, 3D modelling of environmental noise propagation, and preparation of the acoustic design report.



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# Le Monde Group Headquarters – Paris (75)

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**Completion :** 2014 - 2020  
**Architects :** Snøhetta / SRA

**Description :** Descriptif : Construction du nouveau siège du Groupe Le Monde regroupant l'ensemble des rédactions du groupe et comprenant un auditorium, des studios TV / radio, un restaurant, des commerces (13ème arrondissement).

**LASA's scope :** Full project management services covering design and construction supervision phases, with acoustic engineering expertise.

# Engie Campus – La Garenne-Colombes (92)

**Completion :** 2018-2023  
**Cost of works :** > €100 million  
**Architects :** Chaix & Morel / SCAU / Art & Built / Base

**Description :** Construction of the new ENGIE headquarters in a timber structure (CLT), including office spaces, restaurants, auditoriums with interpretation booths, a trading room, retail areas, and a daycare centre.

**LASA's scope :** Full project management services covering both design and construction phases, with acoustic engineering expertise.

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# CB21 Auditorium – Courbevoie (92)

**Completion :** 2020 - 2022  
**Architect :** BOUCHAUD Architectes

**Description :** Renovation of the 220-seat auditorium in the CB21 tower in La Défense, intended to host internal events (amplified or non-amplified) for the various companies occupying the building.

**LASA's scope :** Initial acoustic measurements, internal acoustic study (3D acoustic modelling for optimisation of acoustic comfort), and construction supervision and commissioning services (VISA / construction administration / handover).

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# Tour Saint-Gobain – La Défense (92)

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**Completion :** 2014 – 2019  
**Cost of works :** €185 million  
**Architects :** Valode & Pistre

**Description :** Construction of a high-rise office building (IGH) certified HQE, BREEAM, and LEED, including office floors, an auditorium, a staff restaurant, a cafeteria, meeting rooms, VIP floors, and a showroom.

**LASA's scope :** Design and construction supervision services as part of both client assistance (project owner support) and project management. Management of construction site noise and mitigation strategies.



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## Trigone – Issy-les-Moulineaux (92)

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**Completion :** 2014-2018  
**Cost of works :** €58 million  
**Architects :** 2/PORTZAMPARC

**Description :** Construction of two office buildings certified HQE and BREEAM, including conference rooms, dining areas, offices, meeting rooms, and related shared facilities.

**LASA's scope :** Full design and construction supervision services as part of both client assistance and project management, with acoustic engineering expertise.

# Russian Orthodox Spiritual and Cultural Centre – Paris (75)

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**Completion :** 2013 - 2016  
**Cost of works :** €150 million  
**Architects :** Wilmotte & Associés

**Description :** The complex includes two exhibition halls, the Holy Trinity Orthodox Cathedral, a 210-seat auditorium, offices for the embassy's cultural service, residential apartments for staff, and an educational hub with classrooms, workshops, and a library.

**LASA's scope :** Technical assistance to the design team during both design and construction phases, with acoustic engineering expertise.



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## Intown – Scor Auber – Paris (75)

**Completion :** 2013 - 2017

**Cost of works :** €39 million

**Architects :** A. BECHU & Associés / F. LECLERCQ

**Description :** Renovation of two R+6 buildings comprising offices, a staff restaurant, a 195-seat auditorium, a trading room, a fitness area, a daycare centre, and retail spaces (9th arrondissement, at the corner of Rue de Londres and Place de Budapest).

**LASA's scope :** Full project management services covering design, construction, and commissioning phases, with acoustic engineering expertise.

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# Auditorium of the Great Mosque – Algiers (Algeria)

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**Completion :** 2023 - 2024  
**Cost of works :** €898 million  
**Architect :** Jurgen Engel Architekten

**Description :** A 13,300 m<sup>2</sup> multipurpose auditorium with a capacity of 3,000 seats, divisible into two separate halls (9,600 m<sup>2</sup> and 3,100 m<sup>2</sup>) to host musical performances and conferences with a high-quality electroacoustic system. The complex also includes a 500-seat amphitheatre.

**LASA's scope :** Technical assistance to the contractor during the construction phase. Acoustic measurements of room performance criteria (reverberation time, STI speech intelligibility, etc.), analysis and comparison with technical specifications, evaluation of design alternatives, and preparation of conclusions.

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**LASA's scope :** Technical assistance to the contractor during the construction phase. Acoustic measurements of room performance criteria (reverberation time, STI speech intelligibility, etc.), analysis and comparison with technical specifications, evaluation of design alternatives, and preparation of conclusions.

# Campus Luminy – Hexagone Building – Marseille (13)

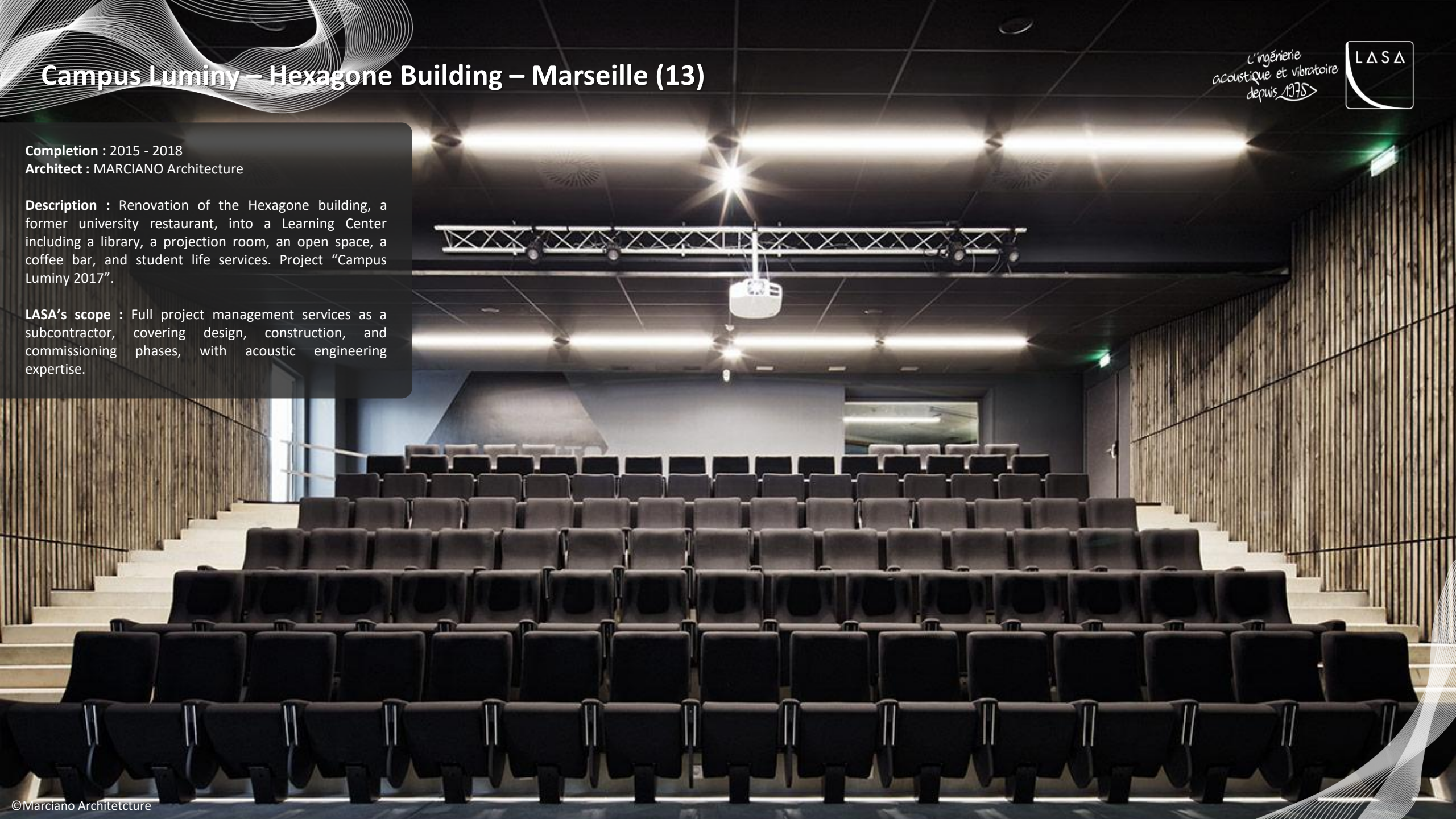
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**Completion :** 2015 - 2018  
**Architect :** MARCIANO Architecture

**Description :** Renovation of the Hexagone building, a former university restaurant, into a Learning Center including a library, a projection room, an open space, a coffee bar, and student life services. Project "Campus Luminy 2017".

**LASA's scope :** Full project management services as a subcontractor, covering design, construction, and commissioning phases, with acoustic engineering expertise.



## Station F – Paris (75)

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**Completion :** 2013 - 2017  
**Cost of works :** €70 million  
**Architects :** Wilmotte & Associés

**Description :** Renovation of the historic Halle Freyssinet, a listed heritage building, to create the world's largest start-up campus. The site includes offices, collaborative workspaces, and the *La Felicità* restaurant by Big Mamma, with multiple kitchens, bars, a cafeteria, and a terrace.

**LASA's scope :** Full technical assistance to the project management team during design and construction phases, with acoustic engineering expertise.

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**LASA's scope :** Full technical assistance to the project management team during design and construction phases, with acoustic engineering expertise.

## Brossolette High School – Villeurbanne (69)

**Completion :** 2015 - 2021  
**Cost of works :** €24,6 million  
**Architects :** ANMA / AA GROUP

**Description :** Reconstruction of a high school with a capacity of 1,200 students, comprising 60 classrooms with natural ventilation, a 600 m<sup>2</sup> school restaurant, a media library, a 200-seat amphitheatre, and 7 staff housing units. The project also includes the construction of a 3,100 m<sup>2</sup> multi-purpose sports complex.

**LASA's scope :** Joint project management team, covering design, construction supervision, and commissioning measurements, with acoustic engineering expertise.

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# Tohannic Campus : UFR – IFSI / IFAS – Vannes (56)

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**Completion :** 2009-2013  
**Cost of works :** €16 million  
**Architects :** Ripault et Duhart

**Description :** Educational building comprising a 500-seat conference space / lecture hall, a 250-seat lecture hall, four 120-seat lecture halls, four 100-seat lecture halls, a library, classrooms, offices, and reception areas.

**LASA's scope :** Full project management services (design and construction phases) in joint venture, with acoustic engineering expertise.

## School of Arts – Carcassonne (11)

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**Completion :** 2007-2012  
**Cost of works :** €9 million  
**Architect :** Atelier JRA

**Description :** School of music, dance, and dramatic arts, including rehearsal rooms, a 200-seat orchestra and choir hall, dance studios, and visual arts workshops.

**LASA's scope :** Full project management services (design and build) in joint venture, with acoustic engineering expertise.

# Courthouse – Bourg-en-Bresse (01)

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**Completion :** 2011 - 2015  
**Cost of works :** €18,2 million  
**Architects :** PLAN 2 / ARODIE DAMIAN

**Description :** Construction of a new courthouse bringing together the High Court (Tribunal de Grande Instance), the Commercial Court (Tribunal de Commerce), and the Labour Court (Conseil de Prud'hommes).

**LASA's scope :** Full project management services (design and construction phases) in joint venture, with acoustic engineering expertise.

# Hermione – Paris (75)

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**Completion :** 2018 - 2024  
**Architects :** BOUCHAUD ARCHITECTES

**Description :** Major refurbishment of a public-access office and service building (ERP) opening onto three streets, including an auditorium, meeting rooms, catering and café areas, a lounge space, and a business center.

**LASA's scope :** Acoustic diagnostic, technical assistance during design and construction supervision, and management of construction site noise and vibration impacts.



# Safran University – Vilgenis Site (91)



**Completion :** 2011 - 2015  
**Cost of works :** €12 million  
**Architect :** SLA Architecture

**Description :** Redevelopment of a listed château and its outbuildings into a training centre, including meeting and conference spaces, restaurants, offices, and an auditorium.

**LASA's scope :** Design-phase assistance to the project management team, with commissioning acoustic measurements for the auditorium.

# Issoire Auditorium (63)

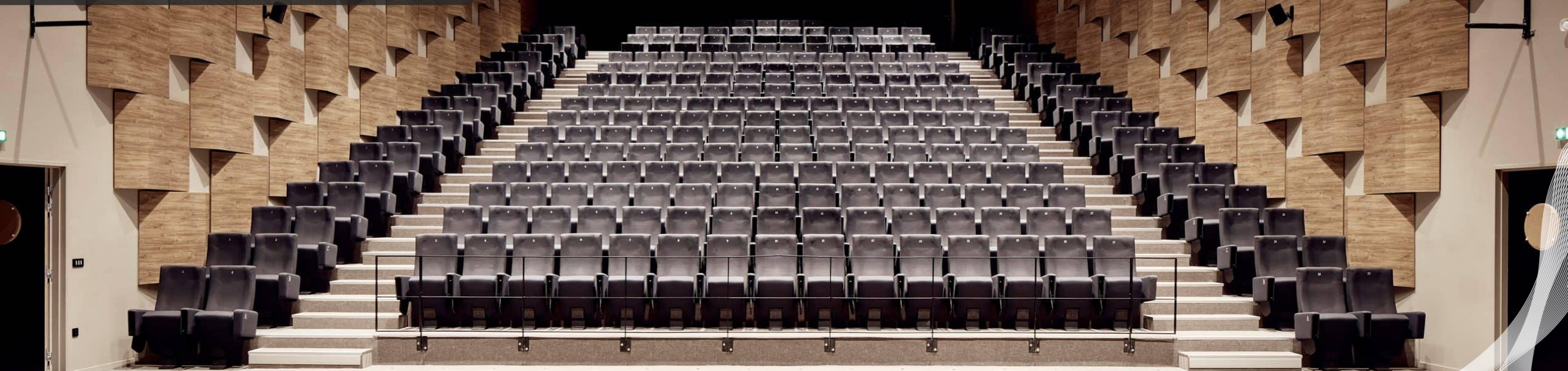
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**Completion :** 2017 – 2020  
**Cost of works :** €4,1 million  
**Architects :** Atelier 4 (AA Group)

**Description :** Construction of an inter-municipal music school accommodating 400 students. The facility includes 9 individual teaching rooms, 5 group classrooms, and a 420-seat auditorium.

**LASA's scope :** Acoustic technical assistance to the client during the tender (DCE) and procurement (ACT) phases. Review of the detailed design tender documents (PRO-DCE) and preparation of recommendations to ensure acoustic performance is maintained during the construction phase.



# CEA Building – INSEAD Campus – Fontainebleau (77)

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**Completion :** 2021 - 2022  
**Architects :** Duplex Architectes

**Description :** Renovation of the Centre Euro-Asia (CEA) building on the INSEAD campus, including teaching spaces (lecture theatre, classrooms), shared work areas, and relaxation spaces.

**LASA's scope :** Acoustic technical assistance to the design team during the design phase, including initial acoustic diagnosis, 3D numerical modelling for internal acoustic prediction, and preparation of the acoustic design report.

# House of Creation and Innovation – Grenoble (38)

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**Completion :** 2014 - 2019  
**Cost of works :** €13,6 million  
**Architect :** Atelier JRA

**Description :** Construction of a building on the Grenoble East campus dedicated to innovative scientific activities, including modular platforms, experimentation and rehearsal studios, sensory practice rooms, projection rooms, an auditorium, and co-working spaces.

**LASA's scope :** Full project management services in joint venture, covering both design and construction phases, with acoustic engineering expertise.

# Jacques Chirac Convention and Exhibition Centre – Valence (26)

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**Completion :** 2018 - 2022  
**Cost of works :** €15,3 million  
**Architect :** AIA

**Description :** Construction of a new complex combining an exhibition centre (modular exhibition spaces, a 500-seat retractable auditorium, and catering areas) and a convention centre (meeting rooms, hospitality spaces, and a rooftop terrace).

**LASA's scope :** Performance-based design-build contract (MPGP), providing full project management services across design, construction, and commissioning phases, with high-level acoustic performance requirements and verification measurements.

# URPS Headquarters – Lyon (69)

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**Completion :** 2018 – 2019  
**Architects :** Chambaud architectes

**Description :** Renovation of the URPS Doctors AURA headquarters in Lyon (6th arrondissement), including refurbishment of meeting rooms and shared convivial spaces such as conference rooms and a bar area.

**LASA's scope :** Indoor acoustic comfort study (reverberation), 3D modelling for optimisation of sound insulation between rooms, initial background noise measurements, outdoor noise assessment, and evaluation of the impact of rooftop technical equipment.

# Nîmes Convention Centre – Nimes (30)

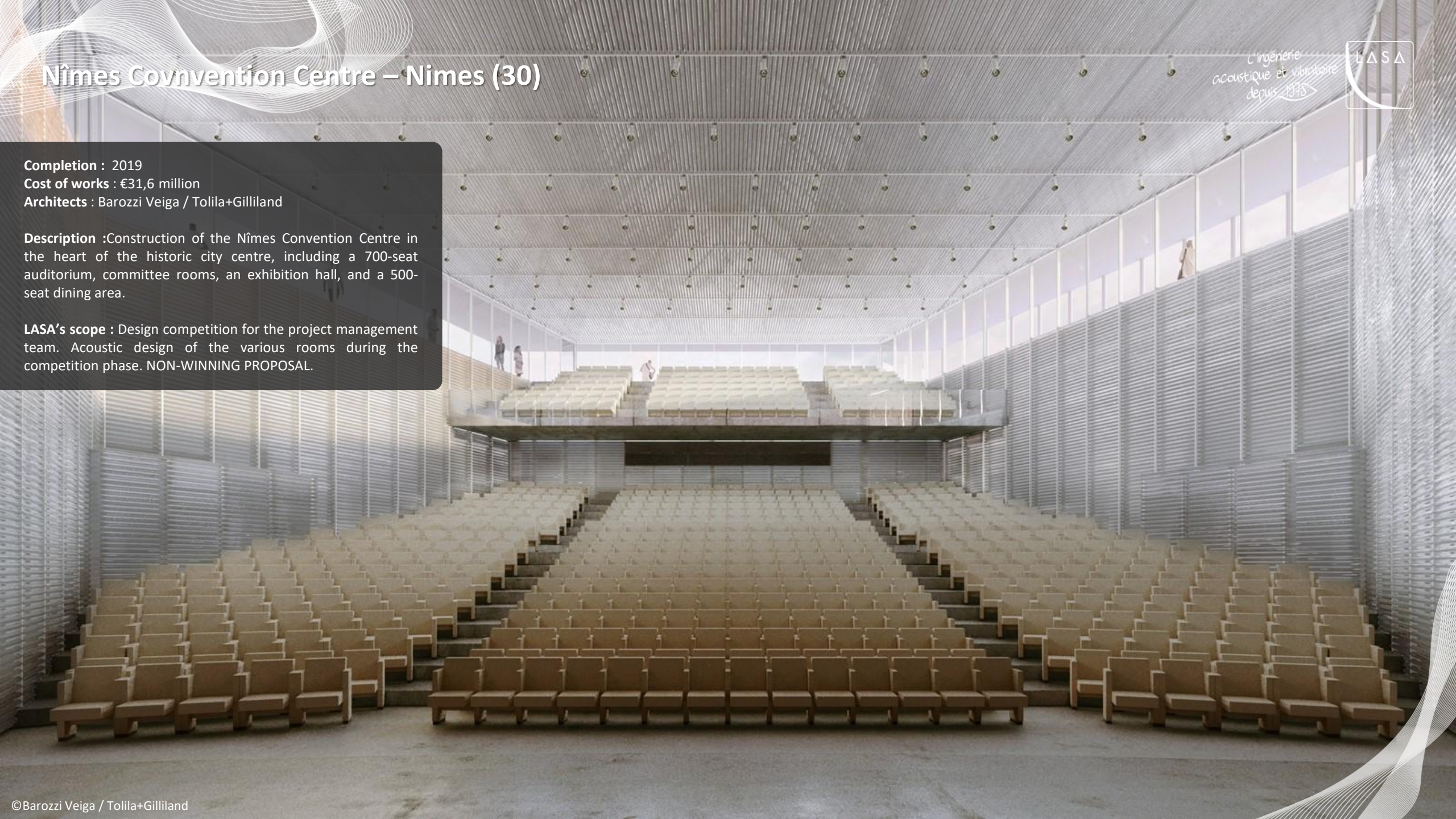
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**Completion :** 2019  
**Cost of works :** €31,6 million  
**Architects :** Barozzi Veiga / Tolila+Gilliland

**Description :** Construction of the Nîmes Convention Centre in the heart of the historic city centre, including a 700-seat auditorium, committee rooms, an exhibition hall, and a 500-seat dining area.

**LASA's scope :** Design competition for the project management team. Acoustic design of the various rooms during the competition phase. NON-WINNING PROPOSAL.



**Completion :** 2022 - 2026  
**Cost of works :** €44,8 million  
**Architect :** AAVP

**Description :** Construction and renovation of buildings for the relocation of the University of Orléans' Faculty of Law, Economics and Management on the former Porte Madeleine hospital site, accommodating 4,200 students and 260 academic staff. The project includes six lecture theatres, an "Agora" space, and a 600-seat learning centre.

**LASA's scope :** Acoustic technical assistance and full project management services, including diagnostics, design, construction supervision, and commissioning phases.

# Le Diapason – Auditorium – Roanne (42)

**Completion :** 2009 - 2012  
**Cost of works :** €1,75 million  
**Architect :** AA Group

**Description :** Multi-purpose auditorium with retractable seating for 250 people (410 m<sup>2</sup>), recording studios (200 m<sup>2</sup>), control room, dressing rooms, and a 230 m<sup>2</sup> youth area.

**LASA's scope :** Full project management services (design and build) in joint venture, with acoustic engineering expertise.

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# IUT of Cergy-Pontoise – Neuville-sur-Oise (95)

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**Completion :** 2021 – 2025  
**Cost of works :** €13,5 million  
**Architect :** AZC

**Description :** Renovation and extension of a business incubator to accommodate the relocation of three departments from the IUT. The project includes teaching spaces (1,950 m<sup>2</sup>), living and meeting areas (660 m<sup>2</sup>), a technological teaching platform (370 m<sup>2</sup>), a FacLab (175 m<sup>2</sup>), and administrative offices (925 m<sup>2</sup>).

**LASA's scope :** Acoustic design consultancy across all project phases (diagnosis, concept design, preliminary design, detailed design, tendering, and construction), as well as construction supervision (review/inspection and site monitoring) and project handover.



## Contact – Administrative Information

L'ingénierie  
acoustique et vibratoire  
depuis 1978



### PARIS Office – Head Office

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<b>Company Name :</b>	Laboratoire d'Applications des Sciences Acoustiques
<b>Abbreviation :</b>	L.A.S.A.
<b>Legal form :</b>	S.A.R.L.
<b>Share Capital :</b>	€235 698
<b>Company Registration :</b>	RCS Paris B 302 506 480
<b>Business Activity Code (APE) :</b>	7112B

### ANTILLES - Partnership

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