



*L'ingénierie
acoustique et vibratoire
depuis 1975*



Data Centers

LASA : Acoustic and Vibration Engineering since 1975



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 – Guyane

6

partners

all actively involved in the firm

90

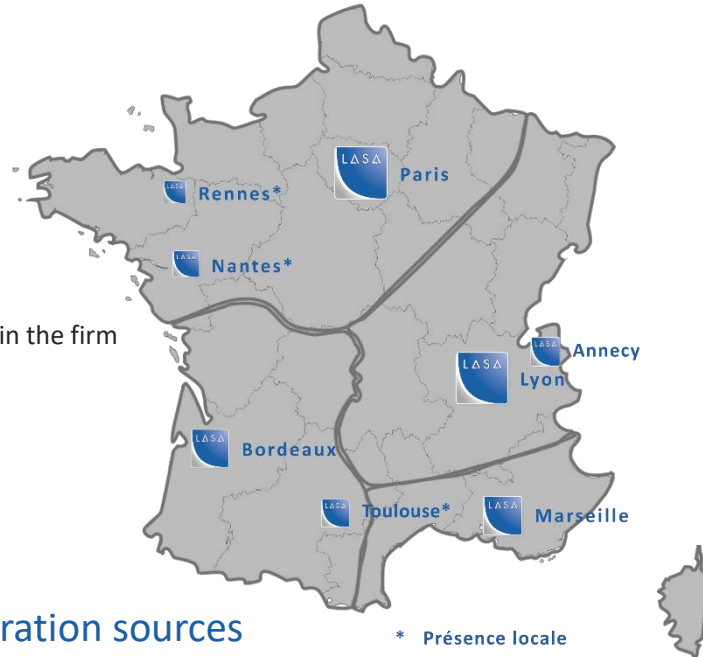
sound level meters

vibration analyzers, single or multichannel

20

noise and vibration sources

omnidirectional, directional, standalone,
low frequencies, shock machines



Understanding

of architectural and client requirement

Feasibility

of solutions

Optimization

of proposed solutions

Satisfaction

of our clients

50

team members

Experts and passionate about their craft

10 000

completed projects

PA16 Data Center – Argenteuil (95)

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Completion : 2024 - 2028

Architect : ENIA Architectes

Description : Construction of France's second-largest data center (adjacent to PA12). 55 MW facility including 28 chillers, 8 dry coolers, 4 transformers and 18 backup generators, for a total thermal capacity of 142 MWth. 2,000 m² rooftop photovoltaic panels.

LASA's scope : Initial environmental noise assessment, acoustic impact study (ICPE compliance) with 3D modelling, noise mitigation design, construction-site supervision, and final acoustic acceptance testing.

Banque de France Data Center – Serris (77)

Completion : 2013
Cost of works : €40 million
Architect : ENIA

Description : Computing center including 4 server rooms, 2 technical areas (backup generators, chillers and dry coolers), and a logistics area.

LASA's scope : Full consultancy services for both design and construction phases.

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Antares 1 & 2 Project (Sirius Project) – Lieusaint (77)

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Completion : 2009 - 2010
Cost of works : €50 million
Architect : ENIA

Description : Construction of a data center dedicated to ensuring the reliability and continuity of network and telecommunications information systems.

LASA's scope : Full consultancy services for both design and construction phases.

Noé Data Center – Val-de-Reuil (27)

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Completion date : 2006 – 2010

Cost of works : €50 million

Architect : ENIA

Description : Construction of a data center including 4 server rooms, 2 technical buildings (packaged chillers, low-speed dry coolers and cooling systems), and a logistics area.

LASA's scope : Tender phase support, design consultancy, construction supervision, and final acceptance testing.



Antares 1 & 2 Project (Vega Project) – Lieusaint (77)

Completion : 2009 - 2010

Cost of works : €50 million

Architect : ENIA

Description : Construction of a data center dedicated to ensuring the resilience and secure operation of network and telecommunications information systems.

LASA's scope : Full consultancy services covering both design and construction phases.

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France Télécom Data Center – Val-de-Reuil (27)



Completion : 2011
Cost of works : €20 million
Architect : ENIA

Description : 4 server rooms and 2 technical areas (backup generators and HVAC/free cooling systems).

LASA's scope : Full consultancy services covering both design and construction phases.



Champagne Data Center – Champagne-sur-Oise (95)

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Completion : 2017 - 2019

Architect : ENIA Architectes

Description : Project for the development of a data center on an EDF site. The project was halted during the detailed design (PRO) phase after building permit approval due to excessive soil contamination.

LASA's scope : Initial environmental noise assessment, acoustic impact study (ICPE compliance) with 3D modelling, design of noise mitigation measures, and preparation of acoustic specifications. Project discontinued.

Meudon Data Center – Meudon (92)

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Completion : 2020 - 2026
Architect : RBA Architecte

Description : Design of a data center with rooftop chillers and basement backup generators (planned capacity: 40 MW, including 48 chillers and 24 generators in technical rooms).

LASA's scope : Initial environmental noise assessment, acoustic impact study (ICPE compliance) with 3D modelling, design of noise mitigation measures, and preparation of the acoustic specification report.



Hyperscale Data Center– Marseille (13)

Completion : 2023 - 2026

Architect : ENIA Architectes

Description : Construction of a hyperscale data center (40 MW electrical load), including 20 dry coolers, 13 chillers, and 20 containerized backup generators (2,500 kVA units), as well as a logistics building for refrigerated heavy goods vehicles.

LASA's scope : Initial environmental noise assessment, acoustic impact study (ICPE compliance) with 3D modelling, design of noise mitigation measures, and preparation of the acoustic specification report.

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VIL3 Building - IN2P3 Computing Center (CC-IN2P3) – Villeurbanne (69)

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Completion : 2024 - 2026
Cost of works : €7.6 million
Architects : CAP INGELEC - GCC - TJ ARCHI

Description : Construction of a new building (VIL3) to host a data center for the CC-IN2P3 computing center of the CNRS (National Institute of Nuclear and Particle Physics), located in Villeurbanne.

LASA's scope : Acoustic consultancy during the design phase, targeted site supervision, and final acceptance measurements.

Céleste Data Center – Champs-sur-Marne (77)

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Completion : 2012
Cost of works : €5 million
Architect : ENIA

Description : One technical building and one logistics building, including 5 high-capacity air handling units (AHUs) and backup generators.

LASA's scope : Full design-phase acoustic consultancy.

Le Capitole Data Center – Nanterre (92)

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Completion : 2024 - 2027

Architect : 2AMH

Description : Development of a data center within an existing building, including the construction of a new technical building on a former car park and installation of rooftop backup generators (planned capacity: 38 MW, including 28 dry coolers and 16 generators in technical rooms).

LASA's scope : Initial environmental noise assessment, acoustic impact study (ICPE compliance) with 3D modelling, design of noise mitigation measures, and preparation of the acoustic specification report.

