



L-Acoustics Environmental System Design Support empowers partners, acoustic consultants, event organizers, and key music festival stakeholders to achieve seamless regulatory compliance and deliver exceptional sonic experiences, while fostering positive community relations.

**Advanced Noise Modeling & System Optimization:** Precise simulations and expert design refinement to minimize noise impact.

**Collaborative Noise Mitigation:** Unified strategies through active stakeholder engagement.

**Immersive Sound & Community Harmony:** Balanced audio experiences that respect community well-being.

The L-Acoustics global team of highly experienced Application Engineers, renowned for their expertise in sound system design and acoustic modeling, will conduct a thorough evaluation of your specific noise challenges. They will deliver meticulously crafted system recommendations, ensuring optimal event performance while upholding environmental responsibility.



#### Why do I need this service?

This service helps festival stakeholders develop a “noise plan”, which is typically necessary for organisers to present to local governments to attain the proper licences for their event. By reducing noise emissions, this service reduce friction between events and the cities that host them.

#### How long does it take?

L-Acoustics aims to provide partners with an optimized system design and a report detailing the effectiveness of this design in two weeks. Further iterations of this design may take longer.

#### Does L-Acoustics have a cardioid system to reduces noise pollution?

Yes, L-Acoustics provides both an integrated cardioid system (L2) and a versatile arrangement of subwoofer configurations capable of producing effective and scalable low-frequency cardioid behaviour.

#### How accurate are the results of the acoustic modelling?

Acoustic modelling of your event is done using internationally standardized algorithms for far-field sound propagation, producing reliable results that consider the unique design of your event.

#### Will L-Acoustics model all stages at the event?

Yes, L-Acoustics will support you in modelling each stage of your event to ensure that the cumulative noise levels do not violate local noise criteria.

#### Is this service available for all live events?

No, this service is currently offered for outdoor events only.

#### Will L-Acoustics fully design my system as part of this service?

While L-Acoustics does provide Sound System Design support services, they are not within the scope of the Environmental System Design Support Service (ESDS). The goal of ESDS is to optimize an existing design to reduce noise pollution to surrounding areas.

#### Will L-Acoustics calibrate and verify the system design?

Yes, L-Acoustic’s experienced team of Global Application Engineers can provide on-site support to calibrate the system and ensure it is performing in accordance with our acoustic modelling.

#### Does this service include monitoring during the event?

No, this service is purely design focused. We encourage all of our partners to engage an acoustic consultant to provide live noise monitoring services and ensure local ordinance requirements are being met.

#### Who can avail this service?

ESDS is primarily available to support the success of our CP network worldwide. We encourage festival organisers, acoustic consultants, or any music festival stakeholders to engage us for this service.