

Sound Solutions for Hospitality

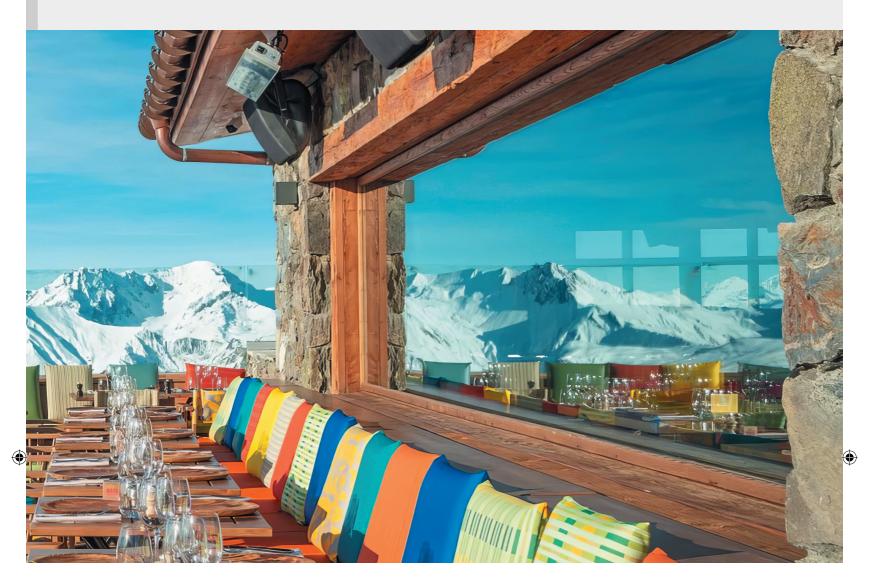


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Your partner in precision so





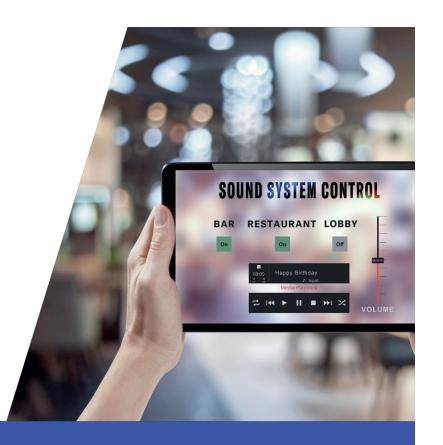
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NEXO leads the market in value-engineering innovative highperformance sound systems which have a distinctly musical character, and packaging them as affordable business-friendly solutions. All NEXO products and services are designed to eliminate the audio problems commonly found in communal spaces, and, by so doing, enhance the guest or audience experience in the public environment.





The Perfect









Combination



As sound professionals, at Yamaha and NEXO we are dedicated to helping our customers create the most appealing, effective sonic environments for their needs.

Yamaha has more than a century of experience in musical instrument manufacture, enriched by its expertise in processing and delivering quality sound and Industry-leading electronics. NEXO has been designing and building world leading audio solutions for over 40 years and the technologies developed at our own R&D centre are used and highly valued by distinguished engineers in professional audio and broadcast applications worldwide. That background and dedication inspire the sound systems we offer for commercial installations, giving our customers solutions that are ideally tailored to their individual needs.

Together YAMAHA and NEXO deliver an unrivalled professional audio solution for any hospitality venue.



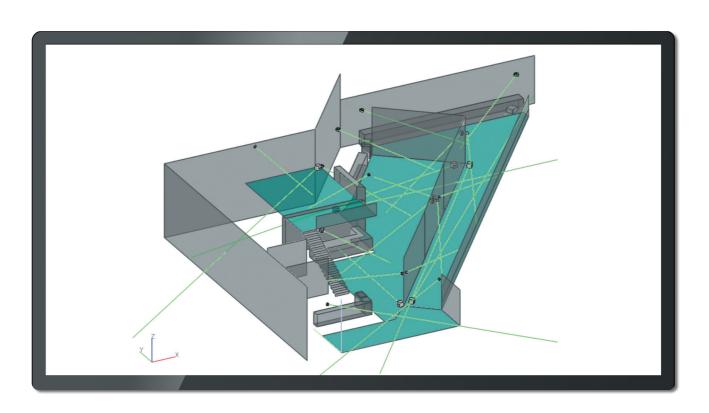
A powerful and intuitive system configuration and simulation tool ensuring uniform SPL coverage in any hospitality venue with any NEXO and Yamaha system.

Whether or not you already know what NEXO system you intend to use in your restaurant, bar or hospitality space, NS-1 is the entry point to your project, helping you to configure any line source or point source from NEXO and Yamaha's catalog, thanks to intuitive yet powerful tools applied to your own geometry. NS-1 not only assists in

achieving the best SPL coverage, but also certifies that mechanical constraints are satisfied.

Finally, NS-1 enables you to create and present robust sound design proposals, including the speaker list, and also gain and delay to apply in the amplification and control chain.

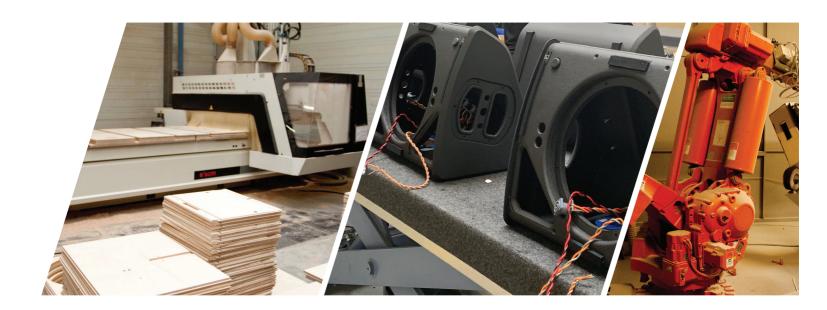








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Advanced Manufacturing Processes

Each and every one of NEXO's loudspeaker cabinets is designed and manufactured in France. Since 2007, the company's headquarters have been located in modern purpose-built facilities, just 30 km north of Paris and close to Charles de Gaulle International Airport.













Highly-automated manufacturing plant



2 optimized production lines 5000 Sqm/each

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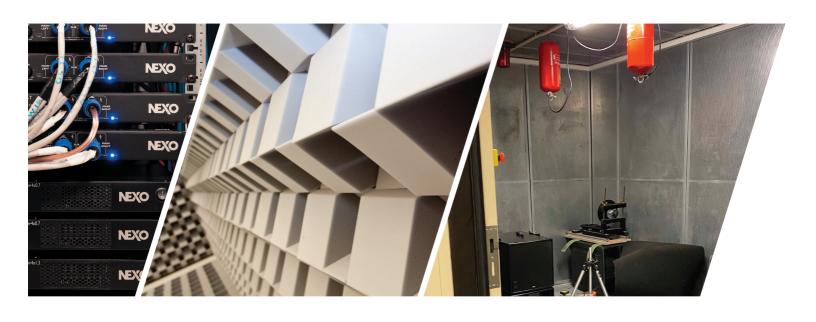
Rigorous processes / Quality management system



Modern Purpose-Built Facilities

Each new system begins with sophisticated computer simulations, executed by specialised proprietary software. The entire electro-acoustic signal chain is thoroughly modelled and product performance rigorously evaluated to maximise system performance.





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R&D centre : 2000m² dedicated state of the art facilities



Anechoic chamber : 12m x 8m x 6.5m, this chamber allows the R&D team to measure down to 28Hz.

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Passionate, rigorous and high level engineers





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Variable HF Directivity

Optimise the HF dispersion for your application in just a few moments. The dispersion characteristics of the P12 and P15 can be changed in seconds through the addition of optional magnetic flanges. The standard cabinets use a 60° x 60° horn with additional 90° x 40° and Asymmetrical (PS Type) 60° - 100° x 40° also available. By default, the P8 and P10 cabinets use a 100° x 100° horn. In the case of these cabinets, the dispersion characteristics can be changed by fitting an optional, rotatable 110° x 60° horn.





Perfect Coverage Made Easy

NEXO P+ and ID Series speakers make it quick and easy to select the optimal HF dispersion for every application, and a comprehensive range of mounting hardware makes installation similarly straightforward.



Rotatable Horn

The ID24 features a unique user-rotatable horn that lets users quickly select between 120° x 40° or 40° x 120° HF dispersion to achieve perfect coverage in difficult spaces such as under balconies. You don't even have to remove the grille or open the cabinet. And the versatility of the ID24 is further enhanced by a selection of horn options with dispersions including 60° x 60°, 90° x 40°, 120° x 40° and 120° x 60°.



Versatile Mounting Hardware

A comprehensive range of mounting hardware makes it quick and easy to install NEXO loudspeaker systems in all types of hospitality settings.



Creating The Perfect Vibe

NEXO ID, P+ and ePS Series speakers make it quick and easy to select the optimal HF dispersion to create perfect coverage in every application, and a comprehensive range of mounting hardware makes installation similarly straightforward.



ID14: An ultra-compact powerhouse

Employing a single, 4-inch coaxial driver, the super-compact ID14 might be the smallest loudspeaker that NEXO has ever built, but it punches well beyond its size and weight with the signature NEXO performance of powerful and dynamic full range sound. Perfect in a hospitality setting, the ID14 features optional HF directivity and a myriad of mounting and connecting options, and finishes, delivering uniform coverage with low visual impact, indoors or out.



ID24: Precision sound, right where it's needed

Measuring just 309mm wide, 132mm high and 233mm front to back, the ID24 compact full range speaker uses twin 4 inch drivers in a V formation plus an HF compression driver with rotatable horn. From the rear panel, installers can quickly select between 120° x 40° or 40° x 120° HF dispersion to achieve perfect coverage in the space.







P+: Power and performance meet sleek good looks

The P+ Series sets new performance standards for compact, point source loudspeakers, along with new levels of versatility – thanks to an ingenious system for varying HF coverage patterns.

An exciting synergy of sleek good looks and stunning performance, P8, P10, P12 and P15 cabinets employ custom HF/LF drivers in a coaxial configuration to deliver perfect phase alignment, exceptional clarity and a smooth response across the full frequency range.



Dedicated subs for extended LF performance

ID, P+ and ePS Series all include dedicated sub-bass cabinets for extended LF performance. Compact and powerful, subs can be placed discreetly in areas such as under furniture so as not to impinge on valuable space.



ePS: NEXO performance for cost-critical installations

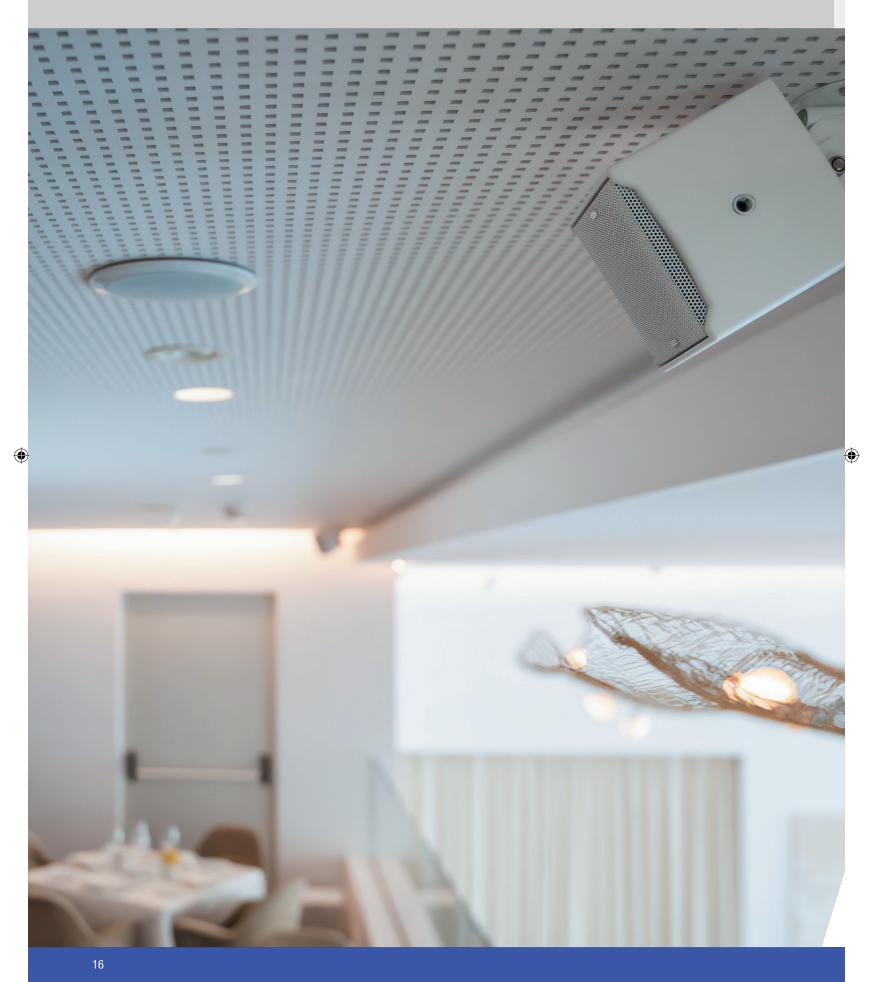
For more than 25 years, the groundbreaking NEXO PS Series has enjoyed industry standard status as the point source loudspeaker of choice in high end installations around the world. Now the ePS Series delivers NEXO's trademark musical, high-output, full-range sound, with all the versatility that comes with precision coverage, variable HF directivity and a small but flexible range of universal mounting hardware.



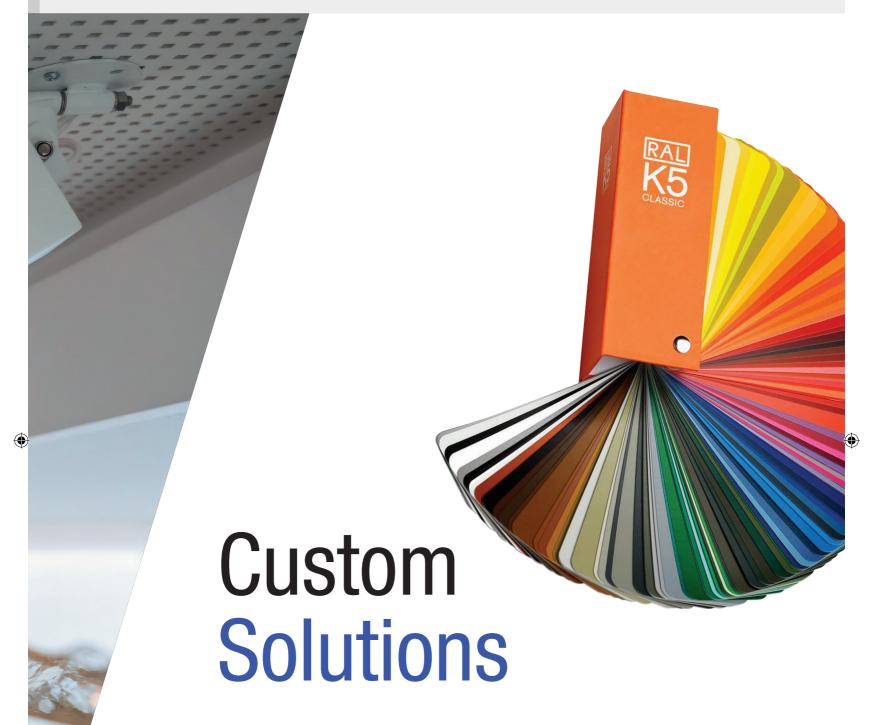


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NEXO loudspeaker systems can be specified in custom RAL colours for seamless integration into all kinds of restaurant and bar interiors.

A global sales & support network

NEXO systems are distributed by a network of 50 independent distributors worldwide, each chosen carefully for their expertise and provision of high-level technical and customer support.





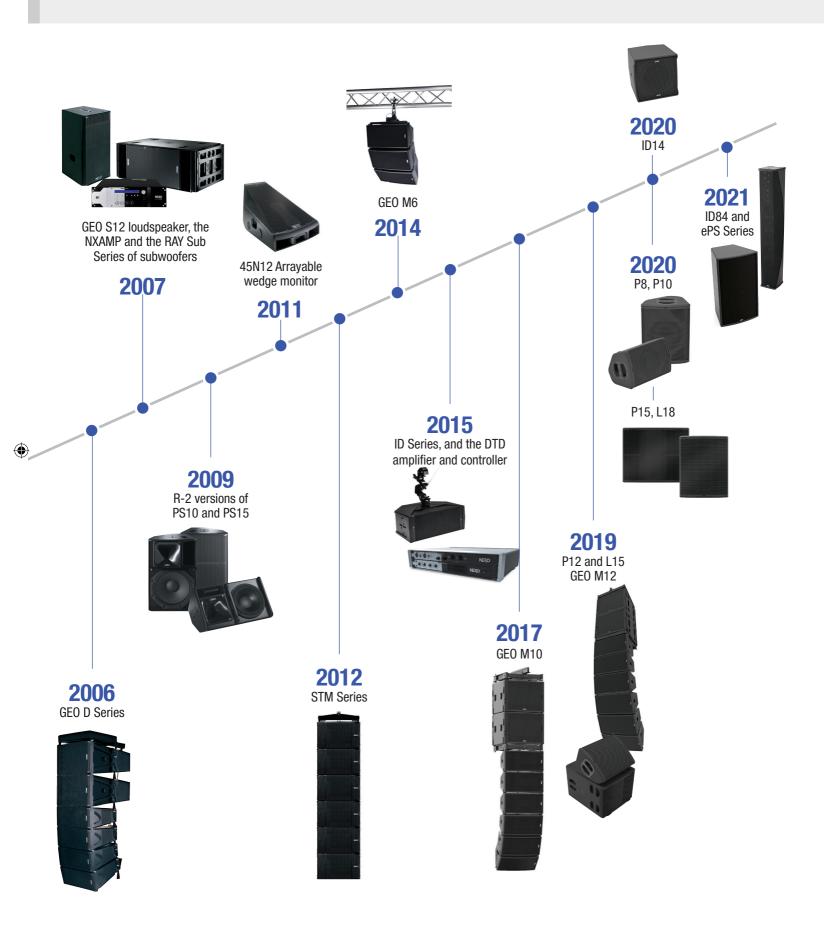


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Quality & Certifications

In order to meet our customers' requirements and enhance their satisfaction, NEXO is continually identifying the best options necessary to set an exceptional standard of products and services. The high quality of our products and services is endorsed through certification and a commitment to recognised methodical processes.

ISO 9001

World Leading Manufacturing Facilities





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TÜV Certification

Safety Guaranteed

IP 54 Rating

Weather Resistant

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EC Declaration of Conformity

Quality and Reliability

Dedicated Support

At NEXO, we believe in supporting the consultant, not in trying to be one!



Before

System Design Training Demos



During

Installation Support Acoustic report Assistance



After

Hotline Feedback Technical Docs

technical@nexo.fr

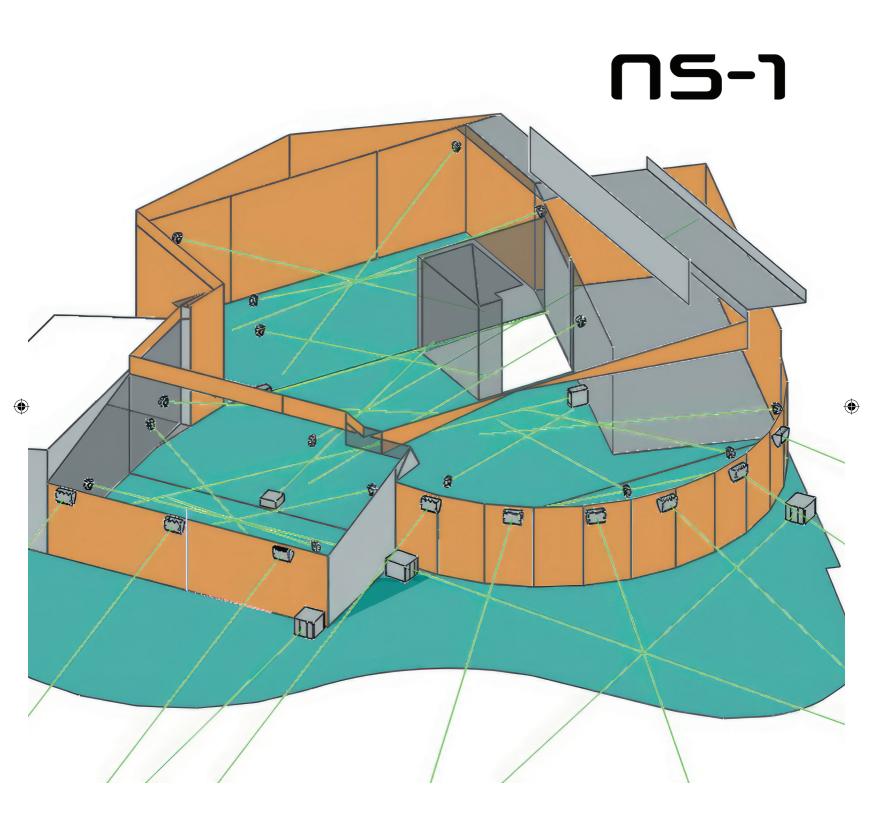




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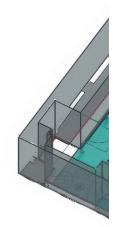




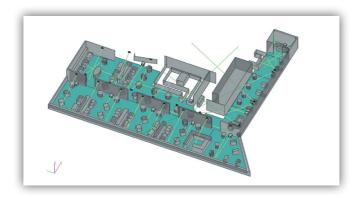


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Complex Calculations



NEXO enjoys close collaboration with the world's leading experts in electro-acoustic simulation programming. NS-1 models the radiating behaviour of the speakers by spatially sampling them into a large number of monopoles and dipoles. In every mesh point of the venue's surfaces, the contribution of all these sources is calculated for the frequency band of your choice. The simulation results are mapped to the surfaces, giving a 3D representation of the SPL coverage.



All NEXO speakers on tap

Once the geometry is defined, loudspeakers can simply be dragged and dropped into the project, and configured into flown or stacked clusters.

Surfaces

Sound pressure can be received differently on the venue surfaces. Venue items can be:

- Simple surfaces
- Standing-up or seated audience areas
- No audience areas, simply taken into account as obstacles
- Hidden to calculation.



Line-source calculations

NS-1 helps you to find the perfect series of angles for your clusters, by calculating acoustic pressure on the surfaces. Results can be displayed using NEXO's meaningful dB MIF, or other metrics of your choice.

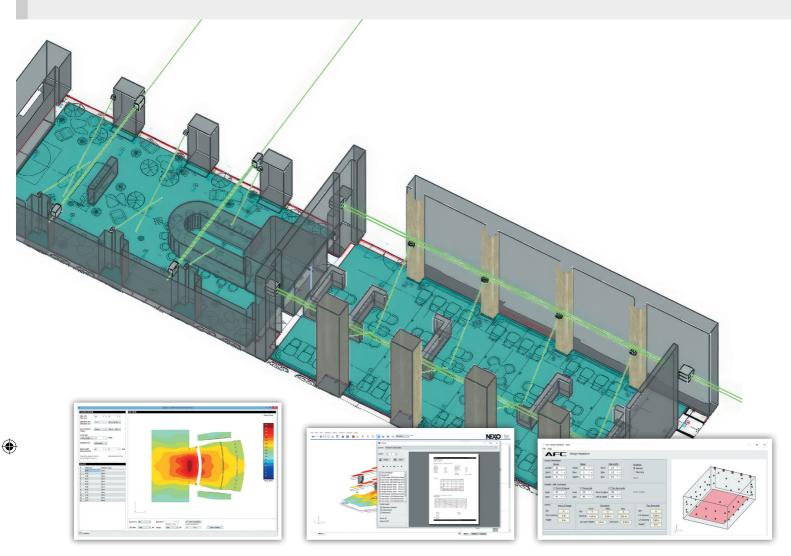
Direct sound and time coherency

NS-1 performs direct sound calculations on your geometry. They allow you to tend towards the best speaker ratio, gains and positions to match your target coverage.

Furthermore, NS-1 makes it easy to align the delays of the speakers thanks to time-coherency calculations.







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Sub design

NS-1 makes it easy to control the beam steering of horizontally arranged sub-arrays. Optimal electronic delays are calculated depending on the sub settings (omni/cardio,etc.), the beam width, and steering angle.

Report editing

A complete speaker list, with specified positions, angles, gains, delays and pressure plots, can be exported from NS-1.

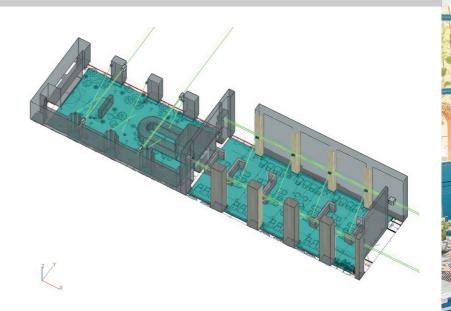
AFC Design Assistant

A shoebox model immersive design calculator which defines spacing and positions for front of house, surround and top speakers based on venue dimensions and speaker coverage characteristics.

System Design:

Café Lapérouse

Hotel de la Marine, Paris



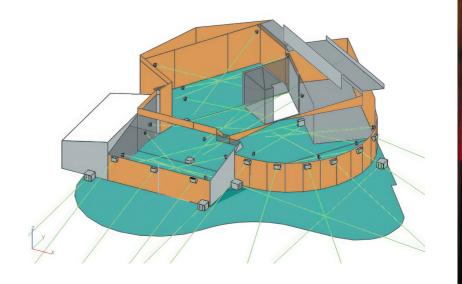


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System Design:

Maya Altitude

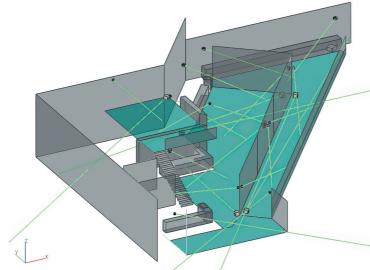
Meribel







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System Design:

Restaurant Brutto

El Salvador





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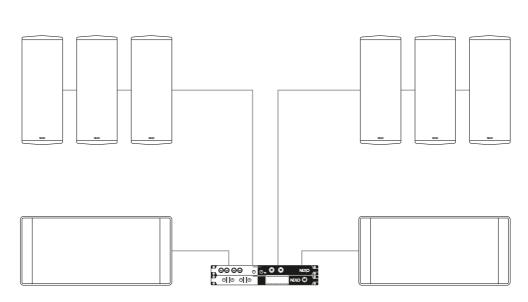


Amplification and Processing

Formidable power. Precision control. Flexible networking.

A choice of compact, cost-effective 4-channel amplification and processing solutions feature phase-coherent presets for all directivity versions of all NEXO speakers. Powering up to 16 boxes from a single amplifier, it's quick and easy to configure systems of any size or scale.





3 x ID24 + 1 x IDS110 per side powered by DTD/1 x DTDAMP4X1.3



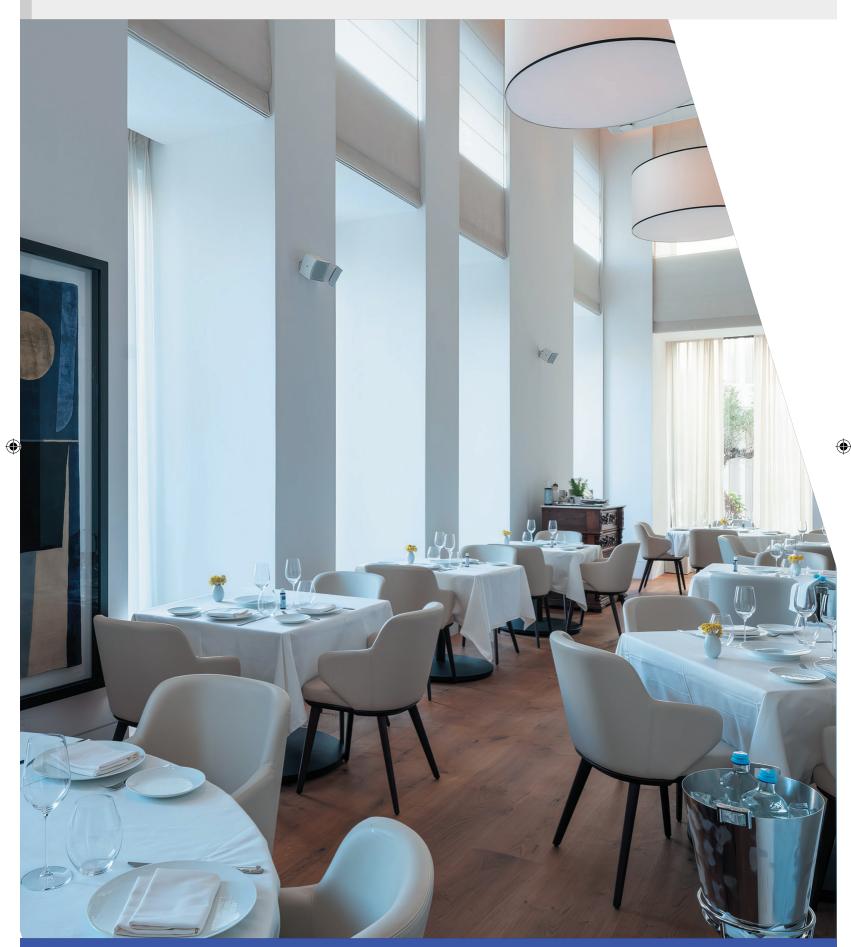


When it comes to specifying a complex technological service like an audio system for a hospitality setting, the decision-making process is not always a linear one.

Researching information for solutions to fulfil the requirement is where that process starts to become complex. Sound system set-ups for concert events are founded on very different criteria to those suited to a bar or restaurant. Choose your partners carefully, rather than being influenced by the "stardust" of which world-class bands used the loudspeaker systems last year!

Read on to discover the vital criteria in the decision making process.





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Vital Criteria



Music for drinking, dining, dancing or more?

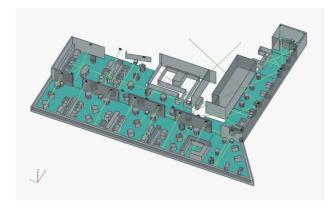
A high quality sound system is essential for creating the perfect vibe in a restaurant or bar. And a system with more power and headroom can add versatility and new revenue opportunities for hospitality businesses, extending the night with a DJ set after drinks and dinner.



Consider your zones

From bars to bathrooms, dining to outside spaces, it's important to achieve consistent coverage throughout the venue.





Plan for perfect coverage

NEXO NS-1 configuration software makes it easy to design a system that delivers consistent SPL and frequency coverage throughout the space, so visitors enjoy pristine, full range sound with neither overwhelmingly loud areas nor 'dead spots'.



Making a sonic impact while remaining visually unobtrusive

NEXO speakers are typically characterised by high output from a compact cabinet, and most are available in custom RAL colours to integrate seamlessly with interior design.

High-Profile Contracts | Worldwide







COAV (TIK)



Matryoshka (Russia)



Zenn (UK)



Hotel AMANO East Side (Germany)



Estiatorio Milos (Greece)



Typhoon Shelter (India)



Jack Solomon (UK)



Borjia (UK)

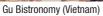


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Mr Foggs (UK)



B'moovd Sportsbar & Bowling (Germany)



Maya Altitude (France)



Hitch (Luxembourg)



Nikki Beach Saint Tropez (France)



The Bluestone Bar (Australia)



La Palmyre (France)



Circle (Italy)



Hitch

Luxembourg

Founded in 2013 by two friends eager to shake up the dining and night life experience in Luxembourg, Concept+Partners is a young and dynamic company always on the lookout for new and innovative ideas and dedicated to ensuring an exceptionally high quality of customer service.

Among an impressive portfolio of Concept+Partners properties, Hitch is a restaurant, bar and nightclub in Luxembourg city that describes itself to be 'where food meets party'. So, when looking for a sound system that could truly deliver on that promise, the owners turned to local AV technology specialists LEMON Event Support, a trusted supplier with whom they had worked successfully in the past.

"The brief was simple but uncompromising" reports LEMON Event Support MD Paul Thyes. "The system had to deliver a clear but unobtrusive soundtrack for diners, then shift through the gears for punchy, full bandwidth, floor-filling sound when the DJs arrive and the restaurant morphs into a club – and all without imposing upon the high-end interior design. Our philosophy at LEMON Event Support is to work only with products we trust and know can perform at the highest level. So, for Hitch, we immediately thought of a NEXO P+ Series point source system."

LEMON Event Support Chief Engineer Christophe Becker takes up the story. "The space comprises two main areas separated by a wall. Using NS-1 software, we designed a ceiling mounted system that's mirrored on both sides using a pair of P15s and 2 x P12s with one on a delay for each. P10s cover the corners and the bar, which is located behind the system, with an additional P10 in the DJ booth as a monitor. L18 subs are hung on both sides, with another hidden under the DJ booth.

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It's amazing how efficient the P+ boxes are in terms of power requirement. We needed a rack of just 3 x NEXO NXAMP4X2Mk2s and the simple cabling requirement really helped to make the installation process easy.

Christophe Becker, Chief Engineer, LEMON Event Support

Even during testing, the venue owners were clearly impressed, commenting 'this is something else' when they first heard the system.

"The HF resolution is very clear and precise and the LF extension very smooth" says Christophe. "Even though its only operating at 99dBA, the system "feels loud" and the coverage remains consistent from low to higher SPL. Guests ordering drinks at the bar can be heard clearly and nowhere in the venue is 'off-limits' as a result of overly-loud sound sources."

"This is a system that works both sonically and visually for our client" says Paul in conclusion. "And most of all, it works for them commercially."





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Zenn

Liverpool, UK

Liverpool is a city famous for its nightlife and competition is fierce in the leisure and hospitality industries. So, when experienced bar and club operator Kevin Midgley and his team made their first move into the restaurant sector with the spectacular Zenn on Victoria Street in the heart of the city, it was clear to the owners that every detail of the venue and offering would have to be perfect to create an experience that continuously exceeds customer expectations and inspires discerning diners and guests to spread the word.

From a world-class team in the kitchen to its Instagram-worthy bathroom mirrors, this 3-storey restaurant, bar, and roof terrace oozes quality in every aspect of its design. And nowhere is this more apparent than the NEXO sound system installed by Kevin's long-time collaborator Gary Wynne at A to Z.

"I'll never forget the look on the venue owner's face when I powered up my first NEXO installation more than 20 years ago" says Gary. "He simply couldn't believe the power from such a compact system. From that day on, I've always specified NEXO speakers whenever the budget allows, and I knew that NEXO would be perfect for Zenn."

The system was supplied by Essex-based NEXO distributor Audiologic, where Applications Engineer Diogo Scutti designed the system using NEXO's NS-1 configuration and simulation software.

The ground floor restaurant level is split into 3 zones, with 6 x NEXO P10 point source loudspeakers distributed throughout the main dining area, supplemented by NEXO's ultra-compact ID24s to infill the supplementary spaces and another P10 in the DJ booth. A pair of ID24s are also deployed in an outside area to cover guests who may be waiting to get into the venue, and 4 x NEXO L15 subs extend the low-end response on the ground floor.

Seven ID24s and an additional pair of L15 subs are deployed on the mezzanine level overlooking the restaurant, while the roof terrace bar features $5 \times 1D24s$ and $2 \times 1D24s$

"Being able to vary the HF dispersion for the P10s and ID24s was a great help in achieving even coverage throughout each of the zones" reports Diogo. "And I was impressed by how closely the performance of the installed system followed the software predictions. NS-1 also enabled us to produce comprehensive documentation to hand over to Gary who did a really great job on the install."

At Zenn, NEXO provides a compact, visually unobtrusive system that delivers a clear, full range sound with even SPL coverage throughout the restaurant, bar, and rooftop areas, creating a distinctive daytime vibe without interrupting the flow of conversation amongst diners and drinkers. And when the sun goes down and the DJs arrive, the system has the power and punch necessary to fill the dancefloor as the venue morphs seamlessly from a luxury restaurant and bar to a vibrant and sophisticated club.

"I remember thinking how big a sound system would have to be to fill a space this large" says Kevin, recalling the first time he walked into the vast, empty building that would become Zenn. "And now most of our customers don't even notice that the NEXO system is there."









P10s and ID24s was a great help in achieving

CASE STUDY

Maya Altitude

Meribel, France

At a height of 2300 metres, the new Maya Altitude Restaurant is located in one of the best ski areas in the word, the so-called Three Valleys in the French Alps. Its vast terrace offers breath-taking 360-degree views of the Belleville Valley and Mont Blanc, and equally stunning is the restaurant's newly installed NEXO sound system, which provides music to drinkers and diners inside the venue and out by day, before stepping things up with a full DJ set for après skiers.

A system design using another speaker brand was already in existence before Monaco-based audio-visual consultants Mediacom showed that a NEXO system could deliver higher performance at a lower cost.

"We worked with the NEXO Engineering Support team to design a system using ID24s supplemented by IDS110 subs inside the restaurant, and NEXO ID14 and P12s outside" explains Mediacom's Christophe Chary.

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With a sumptuous, Tibetan-themed décor, it was important that the speakers created a low visual impact, so the ultra-compact ID Series was perfect for the job. And the terrace can experience some extreme weather, so obviously an IP rating was essential.

Christophe Chary, Mediacom

The system is powered by a rack of four NEXO NXAMP4X1MK2 and one NXAMP4X2MK2 compact, 4-channel powered processors, with phase-coherent pre-sets for all NEXO speakers making it easy to configure a system combining ID and P+ series cabinets. And the facility to quickly change the dispersion characteristics of the ID24s and P12s played a key role in ensuring consistent coverage of the 300-diner capacity venue, and a seamless listener experience when moving outside to the

"Despite the compact size, this is a system that delivers a real punch" concludes Christophe. "Everyone from the restaurant management to the DJs is really happy with it!"

















CASE STUDY

Hotel AMANO East Side

Berlin, Germany

The vision of founder Ariel Schiff, the AMANO Group is so much more than just a collection of hotels, bars and restaurants. Described by the innovative hotelier as 'lively places that wow', all AMANO Group properties and corresponding outlets are places to see and be seen, where no compromise is made in the creation of leisure spaces that truly stir the senses and where, last but not least, sound design is the basis to transport interior design, bar and culinary concepts. Indeed this recognition that sound plays a key role in curating a memorable customer experience in a hospitality setting is evidenced by the fact that the AMANO Group has its own Sound Designer on staff, ensuring that every AMANO property has the same, high-quality sonic-signature at the heart of its customer offering.

When the group first approached experienced German AV Technology specialists Raum+Schall to design and install a sound system in the soon-to-open restaurant of the prestigious Hotel AMANO East Side in Berlin, CTO Markus Lienhart knew that he wanted to use the NEXO ID Series. "When I first saw and heard the NEXO ID24 I thought wow – this is installation loudspeakers V2.0. In terms of design, performance and the versatility of its HF directivity, it gives us the tools we need to realise a whole new level of performance in a high-end hospitality setting".

A shoot-out with other systems was arranged at the nearby Hotel AMANO Grand Central, with the group's owner and key management present. "As soon as we fired up the ID Series system, I got goose bumps" continues Markus. And it seems that everyone else in the room felt the same, as requests quickly followed to install NEXO systems in three other AMANO Group properties in the city.

"We started at the Hotel AMANO East Side, using 8 ID24s with a pair of IDS110 subs in both the restaurant and rooftop bar, with power and processing from NEXO DTD/DTDAMPs" reports Markus. "The systems sounded fantastic throughout, with no dead edges. Critically, the systems are able to accommodate the changes in use that have become an essential part of modern hospitality, particularly in a city like Berlin. Restaurants and bars can morph into club settings when the DJ arrives, with customers expecting the same high quality sound that they would experience in Berlin's larger nightclubs, albeit in a small setting".

With this requirement for versatility at the heart of the system design, all sources are available in all rooms via a series of Dante matrixes. Raum+Schall has established three levels of operational access for users; Level 1 being straightforward volume up/down, Level 2 allowing the addition of new sources such as a DJ mixer or microphone and Level 3 allowing full access to the system. The installer provides training and ongoing technical support, with remote access to all systems.

Subsequent installations at the AMANO Group's Berlin properties include 5 X ID24 and 1 X IDS110 sub in the JOSEPH Restaurant at the Hotel AMO with 6 X ID14 and 1 X IDS110 in the restaurant garden, 4 X ID24 each in the restaurant and bar at the Hotel ROMY, and installations of ID14s with IDS108 subs in the conference rooms at the Hotel AMANO East Side. Showcasing the cuisine of Israel and Tel Aviv in particular, the Restaurant MANI is the location for Germany's first installation of NEXO ePS speakers.

"NEXO really understands installed sound and gives us the products and support we need to meet the expectations of our most demanding clients" concludes Markus Lienhart. We view these projects as a partnership between the client, the installer and the manufacturer, with everyone focussed on delivering the highest possible levels of performance with the lowest visual impact in what are often very prestigious and beautiful spaces. In this respect, NEXO truly delivers".



Photography: Jens Bösenberg





As soon as we fired up the ID Series system, I got goose bumps.

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CASE STUDY

Estiatorio Milos

Athens, Greece

Opened in October 2021 and located in downtown Athens next to the Old Parliament, the hotel Xenodocheio Milos boasts 43 luxuriously designed guest rooms and suites. Athens' newest boutique hotel is also home to estiatorio Milos, an elegant and refined restaurant that joins a select group of Milos restaurants already established in New York, Las Vegas, Miami and London, delivering executive chef and founder Costas Spiliadis' world celebrated take on Mediterranean cuisine.

With the concept of 'philoxenia' – the sacred art of making a stranger feel at home – at the heart of the Milos customer offering, the quality and discreetness of the restaurant's sound system are of particular importance. So the Milos group contacted trusted local AV and Hospitality Technology specialists Stereopark who turned to their colleagues IMA Audio Lighting, NEXO's distributor in Greece, to design a system that could accommodate a challenging set of requirements.

"This had to be a high-quality system with even coverage of the restaurant, bar and terrace areas, with plenty of power to move from background music to DJ sound system", reports IMA co-founder Michalis Asitzoglou. "NEXO ID14 was perfect for the job. The cabinets are extremely compact and the standard white versions blended seamlessly with the elegant and simple colour palette of the restaurant interior.

The companion subs are also very small, and we were able to build these into the walls so as not to impact at all into the dining space".

As Michalis explains, use of NEXO's NS-1 system configuration and simulation software was central to the system design. "The availability of multiple HF dispersion horn options made it possible to design a system capable of exceptionally even SPL and full frequency response coverage, and we were able to check our designs and calculations quickly and easily using NS-1."

In total, the system comprises 26 ID14 cabinets with 12 IDS108 subs in the restaurant and bar areas, with a further 4 ID14s extending the system to the outdoor terrace. Power and processing come from an equally compact and discreet rack containing NEXO DTD controllers and 4-channel DTDAMPs.

"From the hotel and restaurant management to the architect, everyone was very happy with system" concludes Michalis. "The ID14 is almost invisible in the space, but it makes a big impact sonically." Commenting on behalf of estiatorio Milos, owner and manager John Fragos says "We have never heard a system with such a small footprint, but such a huge and well-controlled sound. It was also an ideal solution for our architects as the speakers don't impinge into the space and the subs are built into the walls.

"Ilias Therioudakis at S.A.- Stereopark worked with Michalis Asitzoglou of IMA AUDIO LIGHTING to predict and present impressive results using the NEXO NS-1 software, and the installed system certainly meets our high expectations: Pleasant and warm, but discreet in all areas.

"I want to thank Ilias and Michalis for the unbelievable performance of the system and for their valuable cooperation in helping us complete the facilities here at estiatorio Milos."

Photo Credit: Konstantin Pitsios









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NEXO ID14 was perfect for the job. The cabinets are extremely compact and the standard white versions blended seamlessly with the elegant and simple colour palette of the restaurant interior.

Michalis Asitzoglou, IMA Audio Lighting



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Thinking. Inside the box.

