

The XSL System.



More SL. Nothing less.

The art of creative engineering.

There's this notion that to host an incredible event, you need to go big. But we know there's a better way to deliver an unparalleled listening experience. One where a technology ecosystem scales with your ambition.

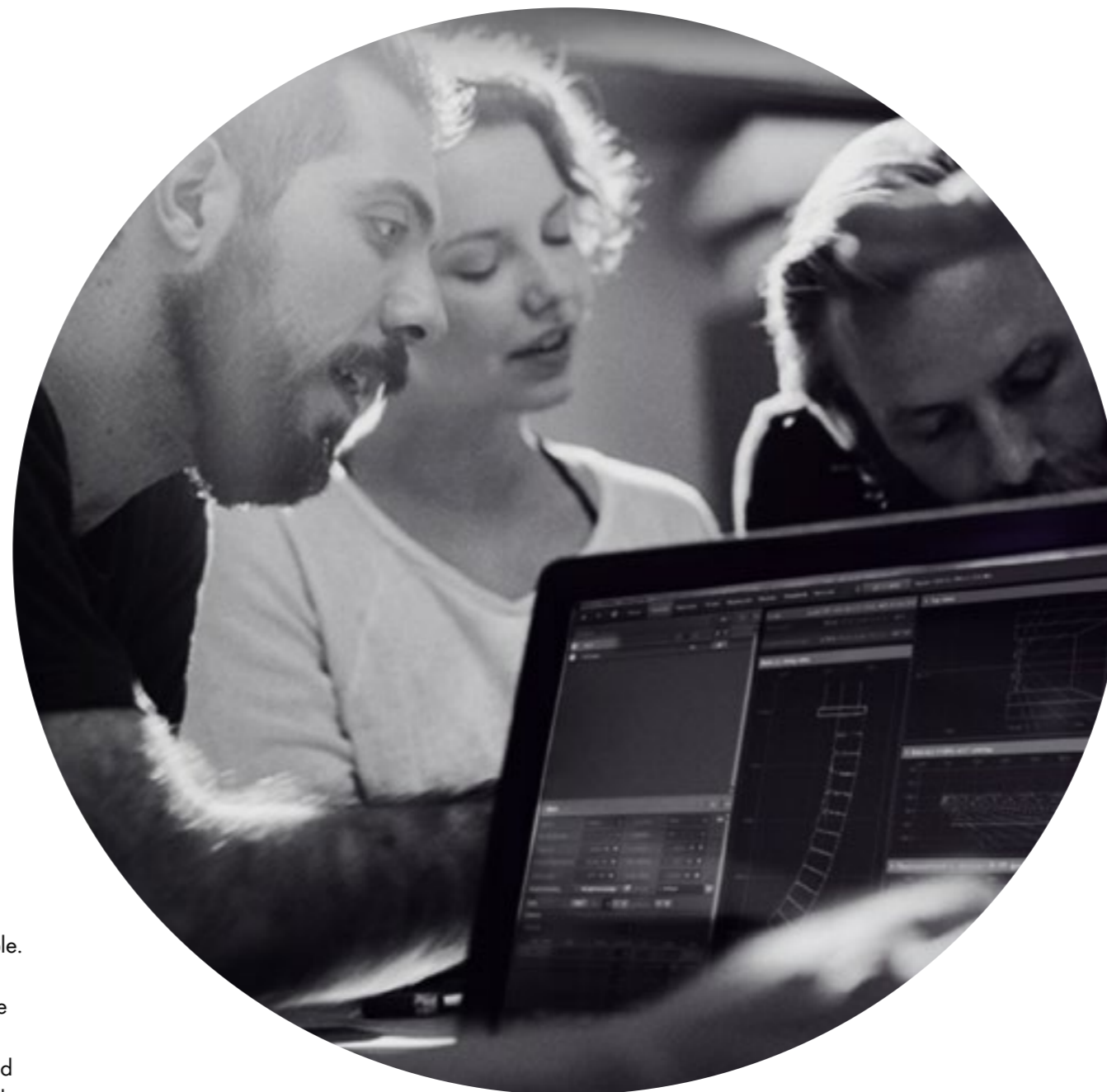
We know, because d&b was founded on that belief over 40 years ago.

Everything we design and manufacture needs to work within this ecosystem. Nothing leaves the warehouse until it does. This holistic approach helps you to make your events better. Every time and anywhere.

The XSL System is a perfect example. A compact line-array solution that possesses all the advantages of the SL-Series. Among them, speech intelligibility, unparalleled broadband directivity control and a lot of headroom.

Artists love how the SL-Series sounds, and engineers love working with it. That's because we've considered every step along the way: before, during, and after the show. Uniting software and hardware, education and support. It's a complete package full of innovations beyond technology, ready to grow when you are.

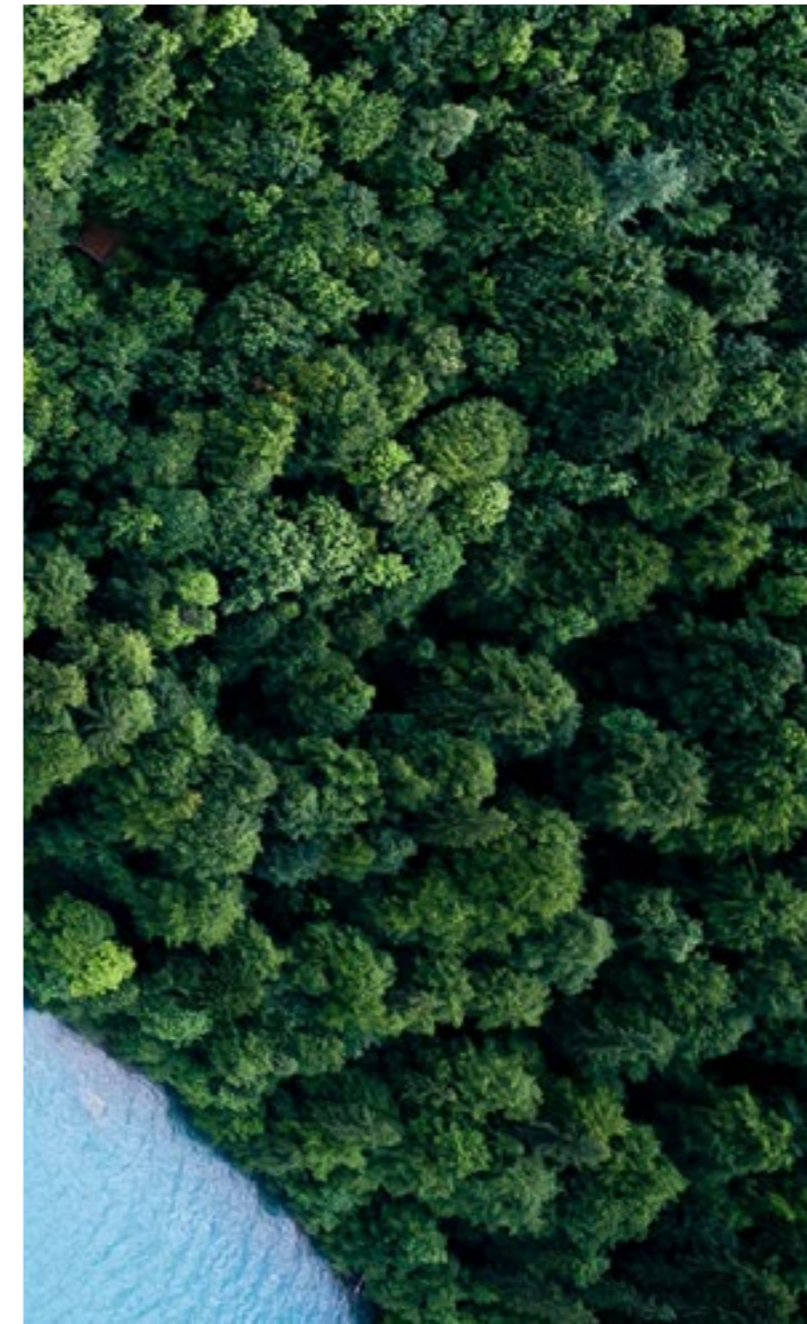
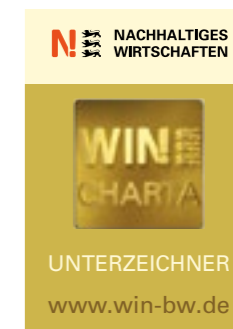
Do more and settle less with the SL-Series family. Now available in extra small.



Our holistic approach extends beyond the creation of products that make listening more enjoyable and life a little easier. It's about thinking long term and acting now.

In 2018 we voluntarily committed to meeting the requirements of effective sustainability by participating in several initiatives promoted by the

state, the federal government, and following the principles of the United Nations. Responsibility for our planet affects each one of us, and our promise to you is that we will never relent in applying the art of creative engineering to reducing the environmental impact of our systems.



More or less?

More intelligibility. Less loss.

Broadband directivity control stops diffuse sound before it has a chance to start. More sound hits the audience directly, less of it reflects off the walls.

More gain. Less feedback.

XSL System stages are quieter because cardioid technology dramatically reduces spill from the rear and sides of the loudspeakers. Go ahead and turn up those microphones.

More lows. Less subs.

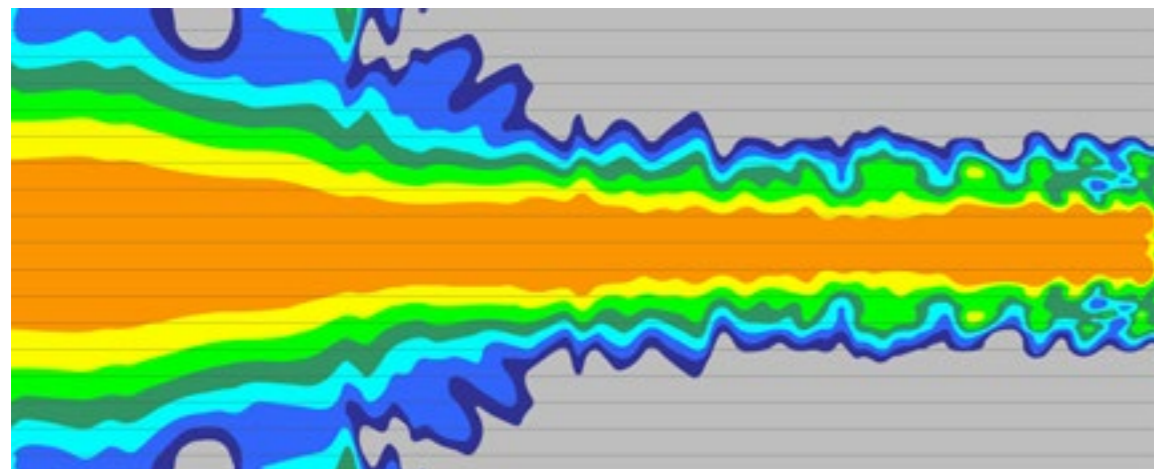
The driver design of the XSL System loudspeakers allows for better low frequency distribution from flown arrays, reducing the number of additional subwoofers required for a powerful performance.

More power. Less draw.

The 40D and D40 amplifiers have the DSP power for advanced voltage management: The perfect electronic match to the XSL System's incredibly efficient loudspeaker design.

More yes. Less no.

The XSL System weighs less than 40kg per cabinet and includes a comprehensive package of road-friendly rigging and transportation solutions. A rider-friendly, internationally renowned reputation means you really can take the XSL System anywhere.



XSL8 Isobar plot, 60 Hz to 18 kHz



“The best expression of live mixing I have ever encountered.”

Mobile.

A company event in the glass-walled atrium. Performance in the round. An hour of worship in a stadium. Events that depend on every word being heard.

With all the benefits of the SL-Series in cabinets that weigh under 40kg, the question of "Where can it go?" is less relevant than "Where would you like to use it?"

Unparalleled directivity dramatically reduces the negative effects of poor room acoustics using patented

cardioid techniques. Host incredible events, wherever you'd like. Sound great, every time.

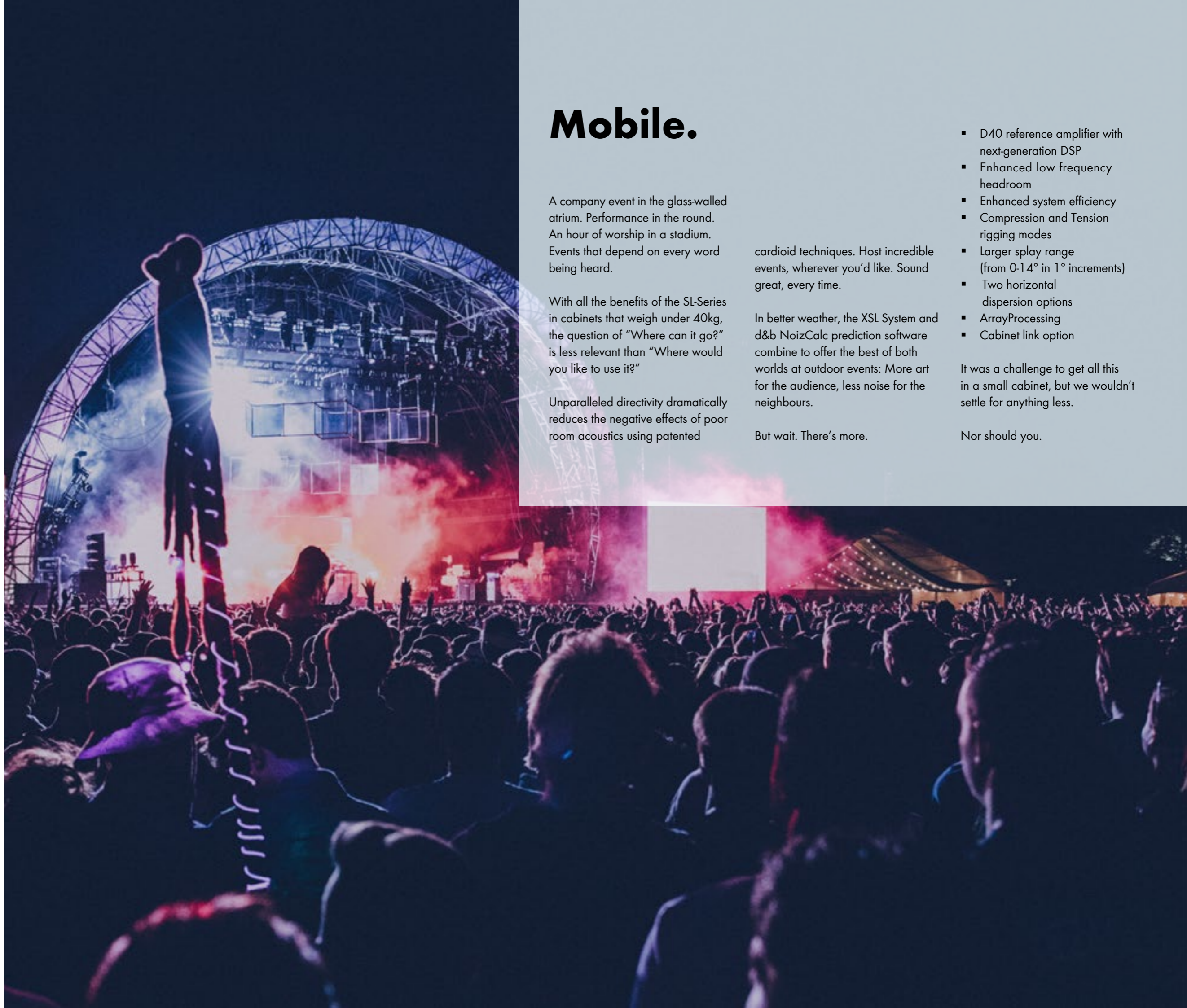
In better weather, the XSL System and d&b NoizCalc prediction software combine to offer the best of both worlds at outdoor events: More art for the audience, less noise for the neighbours.

But wait. There's more.

- D40 reference amplifier with next-generation DSP
- Enhanced low frequency headroom
- Enhanced system efficiency
- Compression and Tension rigging modes
- Larger splay range (from 0-14° in 1° increments)
- Two horizontal dispersion options
- ArrayProcessing
- Cabinet link option

It was a challenge to get all this in a small cabinet, but we wouldn't settle for anything less.

Nor should you.



Mobile Systems.



XSL8



XSL12



XSL-SUB



XSL-GSUB

	XSL8	XSL12	XSL-SUB	XSL-GSUB
Components	2 x 8" Front LF 2 x 6.5" Side LF 1 x 6.5" MF 2 x 1" exit HF 2" coil	2 x 8" Front LF 2 x 6.5" Side LF 1 x 6.5" MF 2 x 1" exit HF 2" coil	1 x 18" front LF driver 1 x 12" rear LF driver	1 x 18" front LF driver 1 x 12" rear LF driver
Output (1 m) ¹	141 dB SPL	140 dB SPL	139 dB SPL	139 dB SPL
Power rating ² Front LF	400 / 1200 W	400 / 1200 W		
Power rating ² Side LF/MF/HF	300 / 850 W	300 / 850 W		
Power rating ² Front/Rear			700 / 1500 W ³ , 400 / 800 W ⁴	700 / 1500 W ³ , 400 / 800 W ⁴
Frequency response (-5 dB)	60 Hz-18 kHz	60 Hz-18 kHz	37 Hz-105 Hz	37 Hz-105 Hz
Dispersion (H)	80°	120°	cardioid	cardioid
Splay angle settings	0°-14° (1° increments)	0°-14° (1° increments)		
Cabinets per D40 (2-Way Active)	2 (with ArrayProcessing) 4 (with Arc / Line mode)	2 (with ArrayProcessing) 4 (with Arc / Line mode)	2 4	2 4
Dimensions mm (H x W x D)	283 x 700 x 507	283 x 700 x 507	565 x 700 x 773 ⁵	565 x 700 x 773 ⁵
Weight kg	39	39	66	62
Dimensions inch (H x W x D)	11.1 x 27.5 x 20	11.1 x 27.5 x 20	22.1 x 27.6 x 30.4 ⁵	22.1 x 27.6 x 30.4 ⁵
Weight lb	86	86	146	136

¹ SPLmax: Broadband signal IEC 60268 ² RMS / peak ³ Front driver ⁴ Rear driver ⁵ Dimensions without wheels

Installation.

The XSLi System packs unmatched speech intelligibility into compact cabinets you can install almost anywhere.

Broadband directivity gives you control of every sonic detail. Enhanced low frequency extension and headroom provide plenty of bass using fewer subwoofers. The XSLi System's innovative cardioid technology benefits any type of audio you can think of.

You'll also make substantial energy savings pairing high efficiency XSLi loudspeakers with the advanced voltage management of the 40D installation amplifier.

The XSLi System is a complete installation package. Designed for the day-to-day operation of permanently installed audio and well-equipped to deal with the individuality of each project.

Even more.

- 40D reference amplifier with next-generation DSP
- Enhanced low frequency headroom
- Custom solutions options
- Special Version Stadium (SVS) variants
- Enhanced system efficiency
- Larger splay range (from 0-14° in 1° increments)
- Two horizontal dispersion options
- ArrayProcessing
- Cabinet link option

“We are particularly pleased with the performance of the loudspeaker system. From a full on concert like our opening show to the smallest of lectures, the speaker system really does the business.”



Installation Systems.



XSLi8



XSLi12



XSLi-SUB



XSLi-GSUB

	XSLi8	XSLi12	XSLi-SUB	XSLi-GSUB
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Weight kg	39	39	66	62
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The complete package.

The XSL System comes with everything you need, including those things you might not know you need.

It starts with financial solutions that sound great for businesses. Then there's a wealth of free training, education and support.

From planning an international tour to installing a permanent system, our suite of software tools bring your vision to life. From a quality-controlled

d&b Venue database to ArrayCalc, or Soundscape simulation software to NoizCalc.

On the road, load in and load out fast with the remarkably efficient combination of XSL rigging hardware and methodology.

Installed, satisfy Building Information Management (BIM) with Revit files and aesthetic requirements with Custom solutions.

All efficiently integrated into the d&b Workflow. So efficient it hardly feels like work.

Whether a stand-alone system in a 400-seat theatre or part of a larger SL-Series in a 40,000-seat arena, the XSL System delivers on usability as well as it does on quality.

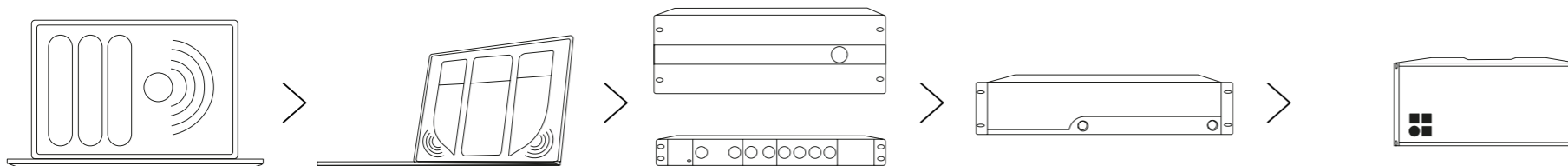
d&b Workflow.

The XSL System is designed for maximum speech intelligibility. The d&b Workflow is designed for ease of use, so you can achieve maximum results.

From planning to performance, mobile and install, you are supported at every stage of your project by a range of d&b tools including:

- ArrayCalc
- ArrayProcessing
- NoizCalc
- Soundscape simulation software
- DS100 Signal engine and audio matrix
- Dante and Milan audio network transport via the DS10 and DS20 Audio network bridges
- OCA / AES70
- R90 Touchscreen remote control
- R1 Remote control software

These all work together as part of the d&b Workflow: An arsenal of tools that give you the highest degree of predictable dispersion behavior over the entire audio bandwidth, and a level of loudspeaker performance that outclasses the XSL System's size.





Custom Solutions.

Far from being typical venues, we've created an XSL System designed with custom solutions in mind. Modify its colour, construction, or weather-resistance to suit the unique demands of these incredible spaces. We'll even build you custom mounting options

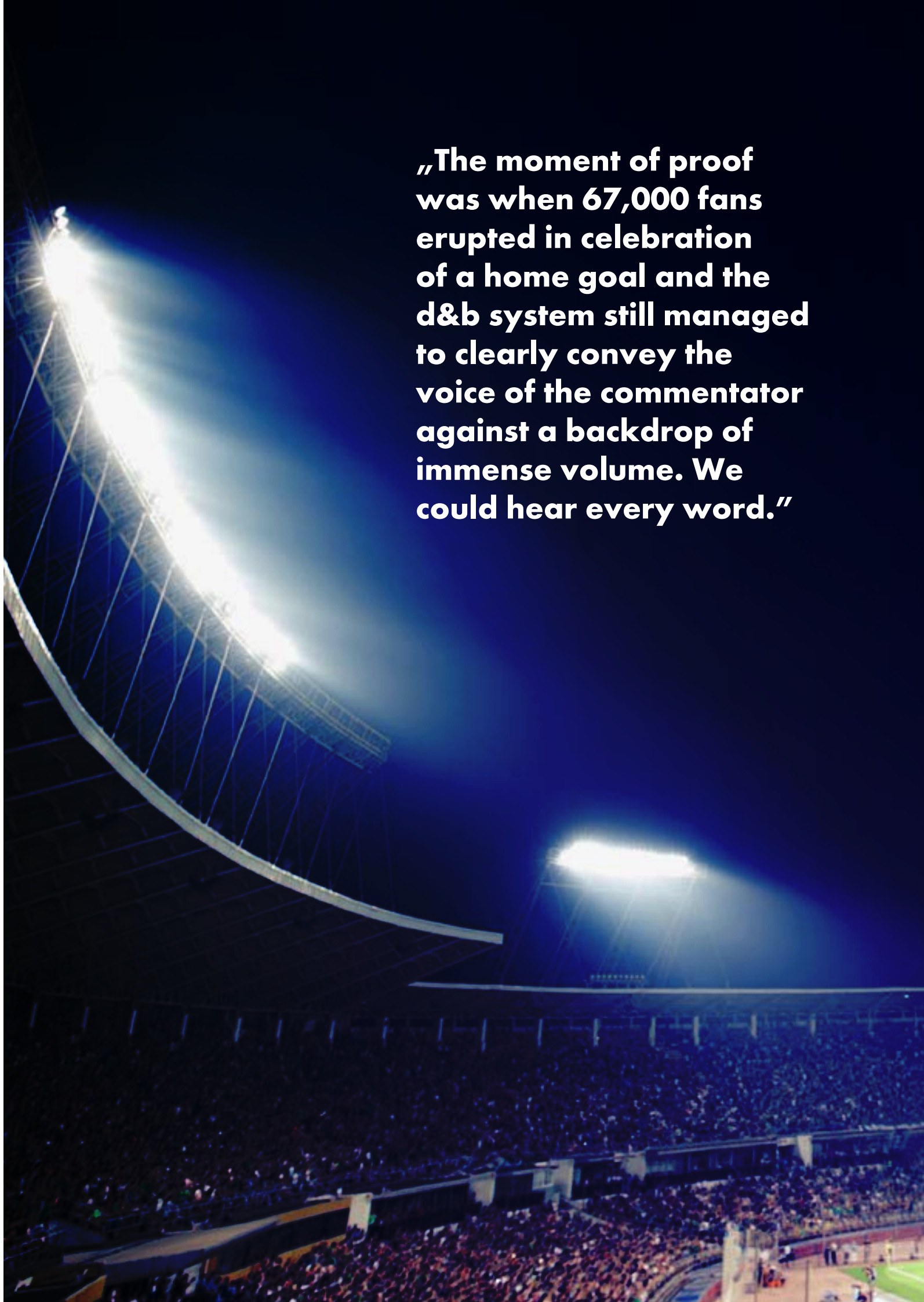
Special Version Stadium
SVS (Special Version Stadium) loudspeakers include threaded inserts instead of integral rigging. This

allows straightforward connection to project-specific metal brackets. Designed by the Custom solutions team, these provide the required mechanical support for the XSL System. Once hung, individual loudspeakers can be removed from an array: a straightforward process that doesn't require dismantling the entire structure.

Custom weatherization
WR (Weather Resistant) loudspeakers are available as standard for the

XSLi System. In harsher climates such as cruise ships, SWR (Sea Water Resistant) variants offer a superior grade of resistance to wet or acidic environments.

Custom look
Create a dramatic look, or hide your sound solution in plain sight. The XSLi System can take on any colour you choose. For a truly customized look this can be combined with a variety of textured finishes.



„The moment of proof was when 67,000 fans erupted in celebration of a home goal and the d&b system still managed to clearly convey the voice of the commentator against a backdrop of immense volume. We could hear every word.“

The D40 mobile amplifier was conceived with the XSL System in mind. Evolution in one area of the d&b technology ecosystem naturally ripples throughout the rest.

State of the art DSP on the D40 supports advanced voltage management and takes full advantage of the high efficiency design of the XSL System.

The high voltage output of this next-generation amplifier can drive a full performance from all but the largest

d&b system and effectively reduce its overall energy consumption.

This doesn't just keep the planet cooler. Your XSL System stays cooler as well, which improves its dynamic behaviour. Drawing less power is an appealing idea that sounds even better.

Permanently installed projects can take advantage of the same efficiency and advanced DSP found on the 40D installation amplifier.

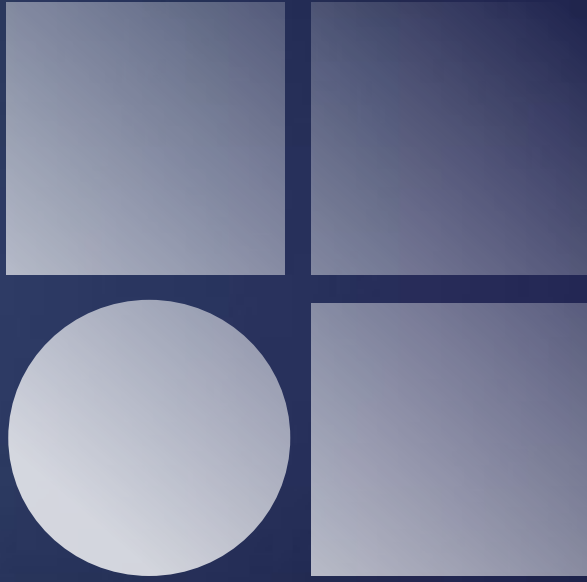
The 40D sits at the top of the d&b installation amplifier range. It includes more GPIO ports and advanced status monitoring capabilities from the front 4.3" colour monitor for an improved installation workflow.

Both amplifiers are ready for AVB-based workflows via Milan. A firmware update will be available to download from dбаudio.com

	40D	D40
User interface	4,3" Color TFT touchscreen	4,35" Color TFT touchscreen
Output channels	4	4
Input channels	4 x AES3 and 4 x analog	4 x AES3 and 4 x analog
Remote	OCA / AES70 via 1 Gbit Ethernet RJ45	OCA / AES70 via 1 Gbit Ethernet RJ45
Dynamic range (digital input), unweighted	118 dB	118 dB
Max output voltage	180 V _{peak}	180 V _{peak}
Maximum output power	4 x 2000 W into 4/8 ohms	4 x 2000 W into 4/8 ohms
Input connectors	Phoenix Euroblock	3 pin XLR female/ AES3
Output connectors	Phoenix Euroblock	NL4 plus central NL8
GPIO connectors	8 x GPI, 4 x GPO	
Power supply	Autosensing switched mode power supply with active PFC	Autosensing switched mode power supply with active PFC
Mains voltage	100 - 127 / 208 - 240 V, 50 - 60 Hz	100 - 127 / 208 - 240 V, 50 - 60 Hz
Weight (kg/lb)	13,3 kg / 29,3 lb	13,8 kg / 30,4 lb
Dimensions	2 RU x 19" x 465 mm	2 RU x 19" x 445 mm

More applied evolution. More solution.





As for delivering on the promises it makes, d&b believes that history speaks for itself, that the future is built on trust, and above all else, that words should never fall empty. To continue the conversation with the d&b team, please visit [sl-series.com](https://www.sl-series.com)