

# SOUND LEARNING EXPERIENCES

FOHNN® LOUDSPEAKER SYSTEMS  
IN COLLEGES AND UNIVERSITIES



# FROM THE MAIN HALL TO THE LECTURE THEATRE

Whether a student understands a subject isn't only down to the lecturer: The lecture theatre and the sound system installed in that theatre also play a major part. Sound systems should always be capable of delivering optimum performance whatever the room conditions and applications: presentations and lectures, podium discussions, concerts or official functions with background music.

Sound reinforcement for a lecture theatre (or a large hall) demands the highest levels of both speech intelligibility and general sound reproduction – regardless of whether the room is large or small, whether its seating area is flat or tiered, or whether it holds 100 or 1000 students.

The use of microphones also presents a challenge: Loudspeaker systems are often mounted on the back wall of the room (e.g. either side of a projection screen or whiteboard) and are therefore behind the lecturer (or other speaker) who is now in the direct path of the loudspeaker beam and likely to be wearing a headset or lapel microphone. With conventional loudspeaker systems, this invariably causes feedback, which, in turn, leads to a considerable reduction in sound quality.

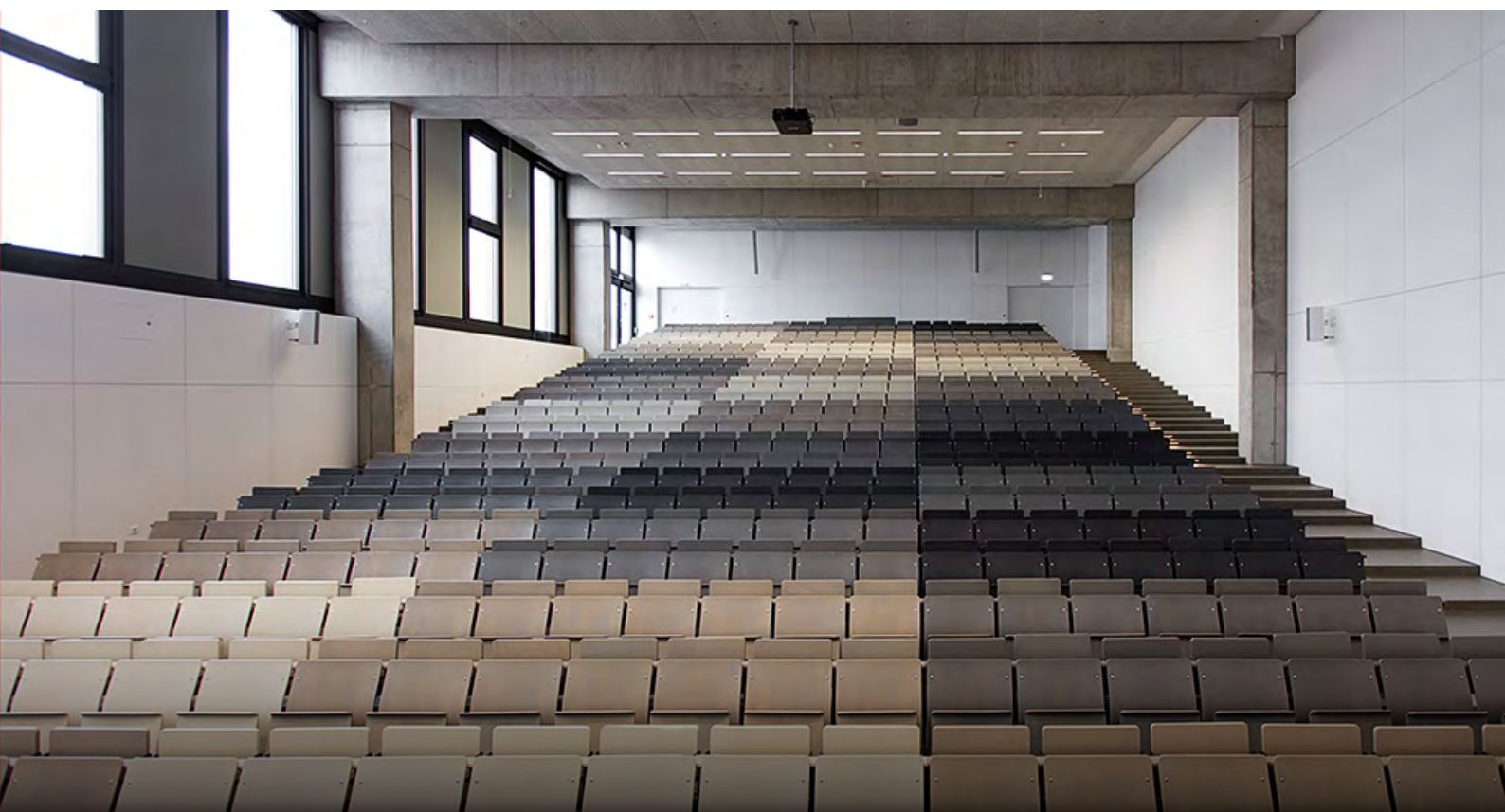
**FOHNN** loudspeaker systems with integrated **BEAM STEERING TECHNOLOGY**, such as the **LINEA FOCUS** line source series, offer an ideal solution in this kind of situation. Like all **FOHNN** systems, **LINEA FOCUS** are renowned for extremely precise and even sound coverage. Moreover, their beam characteristics can be electronically adjusted,

using control software, so that listeners in every row and seat can receive the same level and quality of coverage. At the same time, the amount of sound dispersion around the lecturer can be significantly reduced.

Further advantages: Installing the **FOHNN BEAM STEERING** systems adjacent to projection screens or whiteboards means that the sound will be perceived as coming directly from the front of the room. In other words, students will hear their lecturer's words from an appropriate direction – and not from the ceiling, for example. These systems can also be unobtrusively integrated into the architectural design of the lecture theatre.

It's hardly surprising, therefore, that a whole host of universities, colleges and other educational institutions in various countries have been equipped with **FOHNN** loudspeaker systems. Institutions in Germany include, among others, the universities of Tübingen (Neue Aula), Erlangen (Non-operating Centre), Bonn (Institute of Anatomy), Gießen (Old Surgery) und Bayreuth (Main Lecture Theatre), along with the Technical University in Wildau and the Hochschule für Musik in Dresden (Concert Hall). International institutions opting for **FOHNN** systems include Yunnan University and the Nantong Shipping College (both in China), Chongshin University in Seoul (South Korea), Yale-NUS College in Singapore and Concord College in Shrewsbury (UK).

**Discover more about our various projects at [www.fohnn.com](http://www.fohnn.com)**





# TOP MARKS FOR SOUND – SOME OF OUR EDUCATIONAL PROJECTS

## HOCHSCHULE DÜSSELDORF

At the new Derendorf Campus, over 20 lecture theatres are equipped with **LINEA FOCUS LFI-120** und **LFI-220** Beam Steering systems.



## STUTTGART UNIVERSITY

As part of an extensive refurbishment, the main lecture hall at the Vaihingen campus acquires two **LFI-450** Beam Steering systems for sound reinforcement



## HOHENHEIM UNIVERSITY

In Lecture Theatres 4 und 5, two **LINEA LX-100** and two **ARC AT-05** systems ensure that sound is evenly transmitted to every row of seats.





#### FACHHOCHSCHULE BIELEFELD

In 14 lecture theatres (including the main lecture hall), **LINEA-**, **ARC-**, **PERFORM-** and **X-SERIES** loudspeakers form components of 5.1 (and 7.1) surround sound systems.



#### RUPRECHT KARL UNIVERSITY, HEIDELBERG

In both the new main lecture hall and in Lecture Theatre 13, two **LFI-220** systems are perfectly integrated into the room architecture ensuring highest levels of speech intelligibility.



#### JULIUS MAXIMILIAN UNIVERSITY, WÜRZBURG

In the seminar building's largest lecture theatre, two **LFI-220** systems are able to deliver even sound coverage thanks to **TWO BEAM TECHNOLOGY**.



**VU UNIVERSITY, AMSTERDAM (NETHERLANDS)**

In the "Initium" lecture theatre, two slender **LFI-120** systems provide highly directional sound coverage, from the front of the room, for up to 500 students.

**LANCASTER UNIVERSITY (UK)**

In the Great Hall, a range of **LINEA AL** and **LINEA LX** line source systems are installed to ensure best possible sound quality.

**ARKTIKUM SCIENCE CENTRE & MUSEUM, ROVANIEMI (FINLAND)**

The auditorium has a new sound system comprising two **LFI-220** beam steering systems and several **X-Series** sub-woofers.





For more information on installing and using our loud-speaker systems in schools, colleges and universities, please visit our website or contact our planning engineers directly.

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