

concept **-A**  
acoustics

concept-A offering all the solutions you need to plan and build your studio from concept to construct.

*Our many years of experience and cutting-edge room acoustic computing methods offer you security in planning. The continuous development of all our system components combined with rigorous quality control in the laboratory, the workshop, and the studio guarantee that we will meet the highest standards.*

*Create your room just the way you want it. Choose freely from hundreds of different materials, colors and forms. Our architects will be happy to help you with the creative planning of your rooms. Our technicians will assist you with questions regarding each and every stage of your project. If needed, our engineers will perform acoustic measurements while the project is under construction. This comprehensive approach provided by our employees guarantees top room acoustic quality and service.*

#### Project development

We offer a broad spectrum of services and advice ranging from the assessment of legal situations to the possibilities of building in a desired neighborhood, from first drafts all the way to the complete planning of the project. We will be with you every step of the way.

We will work with you to develop a concept for your project. Whether concerning the possibilities of construction on a particular piece of property or the best use of an already existing building, you will profit from our experience in the development phase.

Having been in contact with studio owners and investors for many years, we have acquired the necessary know-how and overview to assess what amount of space, which sizes and which equipment are compatible with certain sites or locations. We negotiate with local councils and construction companies and will provide a team of specialists who can answer questions ranging from statics to audio- and video engineering. We will accompany your project from the very start.

#### Studio design

Our planning is based on an outline process that encompasses all the interests of the specialists right from the start. This approach harmonizes the electronic-, audio/video- and ventilation systems, the acoustics of the room and the building itself from the beginning, resulting in knowledge and containment of costs. It also results in a high standard of quality, meeting the most stringent demands of studio construction. The outcome of this thorough planning process guarantees the individual success of the given project in terms of functionality and creativity. It also means the rooms we build are greater than the sum of their functions. Everyone works better in a room they feel good in and we create this atmosphere with you.

We use not only 3D computer visualizations, but also samples, models and test-pieces on a daily basis to help the assignor make the best possible decisions.

#### Product design

We are continually in the process of enhancing and re-designing our standardized elements and our furniture systems. We also like to ergonomically design and customize all the individual pieces of furniture for the studio and the office to your specifications. This connection of all elements gives your room a unique feel, representative of your identity.

#### Architectural acoustics

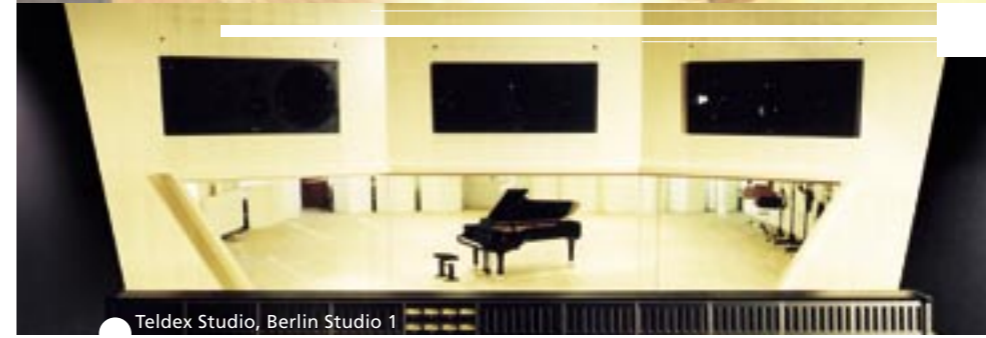
Building acoustics: It is the job of the building acoustics to protect you from outside noise and also to keep your noise emissions to a minimum. Our engineers will gladly help and guide you to solutions for the individual problems of the building acoustics, may it be the decoupling of your piano; the room within a room construction for a film theater; a small isolation booth or the development of the concept for the whole studio complex.

Room acoustics: The room acoustics give your room the right sound. The acoustic quality of a specific room is determined by much more than just its reverberation time. Studio rooms that have no response, no room sound, or rooms that are „dead“ because of the extensive use of broadband absorbing materials and elements are a thing of the past. It is the job of modern room acoustics to produce a true, reliable audio recording and playback situation and especially to create a pleasant working environment for creative people. A well-balanced concept of the room acoustic measures is the requirement for this to happen.

#### Technical construction

As an integral part of our architectural and acoustic planning, in order to satisfy the high standards of noise restrictions and comfortability in the studio environment, we also offer you a complete outline of the technical side of the construction from concept to construct.

## studio acoustics



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### complete interior design and construction

We make it possible to meet high individual creative standards and the highest acoustic demands without compromise while planning the completion of the interior. The use of forms, colors, textures and light offers almost endless possibilities and combinations. All the acoustic elements used for the completion of the interior are pre-manufactured at our workshop, and then they are installed by one of our special teams. This procedure cuts the installation time to a minimum.

### acoustic elements

We are offering you a flexible system that will make your imagined acoustic room a reality. All our system elements are perfectly in tune with each other regarding their acoustic properties. Whether you install the elements yourself or use one of our teams, this is the quickest, most convenient and easiest acoustic installation possible.

### full wave

The full wave is the basis of the system. It is a broadband absorber with a cut-off frequency at 100Hz and a very even degree of sound absorption for the whole frequency range – unheard of for an element as slim as this one.

### low wave

We used the classic principle of a foil absorber to design our low wave resonance absorber, enabling it to dampen low frequency room modes. The low wave element is able to “catch” a broad frequency range by using a special high-quality plastic foil.

### x-wave

This is a hybrid absorber, which we have developed to combine the functions of a foil absorber and a broadband absorber.

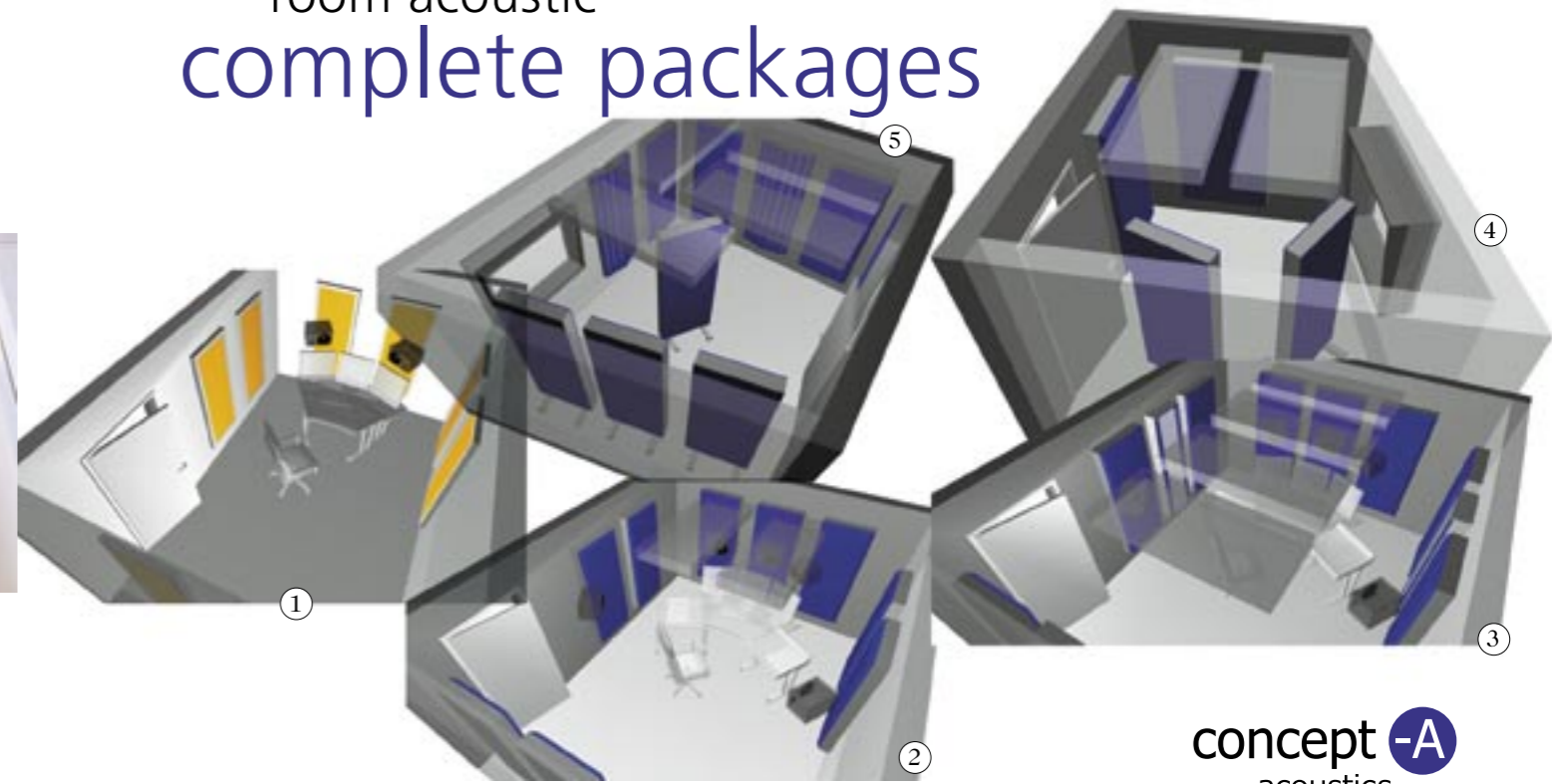
### mid wave

The mid wave element is a slot plate resonator, designed to perform in combination with the other system components. It is used primarily for the focused conversion of specific timbres in recording rooms.

*Out of our large assortment of options, we have configured a number of special packages that provide very good and very affordable solutions for a multitude of rooms. Whether it is your aim to build a unique sounding recording room, a control room adhering to strict technical outlines or a music room for your personal pleasure, you will find the solution that lets you hear only what you need to hear.*

*Our 5 different packages are designed to satisfy a variety of operations. Thereby offering you a number of possibilities for creating the room you desire. The components of each package are chosen and combined to meet your specific needs and to guarantee the perfect acoustic result in every stage of the construction.*

## room acoustic complete packages



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### Multimedia (1)

Our multimedia package is specially designed to meet the acoustic demands of audio/video editing suites. Eight wall elements easily create a comfortable and dependable acoustic solution without transforming the room into a full-blown control room.

### Control room (3)

We conceptualized the control room package for medium-sized control rooms. It is designed to transform any room – up to 190 sq. feet in size – into a pleasant and acoustically dependable room.

### Project studio (2)

The project studio package offers the ideal affordable solution for small control rooms, project studios, midi-suites, mastering suites, reference rooms, etc. The elements provide extensive possibilities to create high standard room acoustics.

### Recording booth (4)

Our recording booth package, complete with two freestanding elements, presents a versatile solution for small voice-over, vocal and instrument recording rooms.

### Recording room (5)

Recording rooms with a basic size of up to 190 sq. feet will benefit from the use of our recording room package. Four freestanding elements give you the freedom to modify the acoustics of your room numerously.

## acoustic elements

- cut
- edge
- brick
- sail

### element forms

### diffusor

Our diffusors work on the principle of phase scattering. Diffusors maximize the diffusion of the sound field and avoid an over-deadening of the room.

### free wave

Our freestanding elements are a very effective and affordable solution designed to easily create varying dependable acoustic situations in different sized recording environments.

### high wave

This slim ceiling-mount broadband absorber (cut-off frequency 250 Hz) is well suited for rooms with a low ceiling.

### door wave · helmholtz/diffusor · air wave

Our system is made complete with a number of special elements designed for particular jobs. These elements include a hybrid diffusor/helmholtz resonator element, door elements and sound absorption elements as ducts for the housing of AC units.



We not only build rooms in which to work,  
we build rooms to feel good in.

## highend-HiFi acoustics

HighEnd-HiFi rooms are designed to meet different criteria as studio rooms, but in the end the aim is the same: To create rooms with dependable acoustics that enable you to hear only what you need to hear – the recording – and to build rooms that not only make listening to music fun, but also fit in with your desired style of environment.



Volkswagen AG, Wolfsburg: Sound room

BMW Group: Pavillion

Volkswagen AG, Wolfsburg: Prototype room

### Master control desk

These desks are designed to integrate mixing consoles, master keyboards, and work space. The computer monitors are ergonomically situated on a slanted bench. The individual desk pieces carry the mixing console and the desk racks or can be used as workspace. The master keyboard can be built in to become level with the workspace. The front edge section of the desktop is the same as for all mainly used mixing consoles giving the workspace a consistent solid appearance.

### Racks

We are offering everything from rolling racks with 11 HU, to desk racks with 6 sections (each with 11-14 HU) with the option of a detached workspace that can be used as a producer's workspace. Drawers and sliding shelves for master keyboards can be integrated. The slanted rack front makes it easy to operate the equipment. All racks are furnished with grid-less rack rails. The base offers ample space for problem-free and adaptable installation. The rack's individual back panels are detachable.



studio furniture

Voice-Over/Commentator Desk ST2

Monitor Stand MS1

Master Control Desk RT6

Desk Rack TR Slanted

Speaker Stand LS2-E

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We are offering a broad range of standardized furniture designed especially for the working studio. If desired, we can modify any piece as per your specifications to meet your special needs.

### Voice-over/commentator desks

The desk workspaces are designed to absorb sound, thus optimizing the recording conditions. Some of the desks, depending on the model, can be varied in height and come with a work panel that can be tilted. Desk ST4 is prepared for the installation of built-in equipment (e.g. preamps).

by employing various support panels and swivel-mounted frames that are individually manufactured to fit the various sizes. The massive base plate keeps any speaker from falling, even if it is heavily slanted. It is also possible to re-fit a different speaker to the stand at a later date because of the interchangeable frame.

### Speaker stand

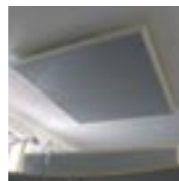
For near and midfield speakers, to place on desks or on the floor. The stand features a base plate, a steel rod, and a frame made from flat steel to hold the speaker. The stand can fit different speaker models

### Monitor stand

To place the monitors in control and recording rooms ergonomically, the height of the monitor stands are individually adjusted according to the particular demands of the space.

## office and conference room acoustics

It is necessary to acoustically treat office spaces, conference-rooms, and call-centers to make them less tiresome and tedious. Acoustical improvements lower reverberation time, allow for increased speech intelligibility, and create a comfortable acoustic climate.

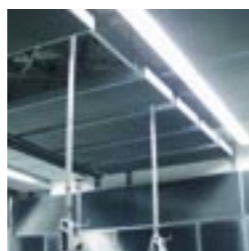


### light wave

Broadband absorber for use in offices, conference-rooms, call centers, and for studio rooms without high demands.

## industry acoustics

For use in industrial spaces such as warehouses, test centers, and event facilities; those facilities that place the utmost importance on fireproofing and resistance to wear and tear, we have developed especially robust and non-flammable acoustical elements.



### hard wave

A broadband absorber that features a cut-off frequency of 100 Hz and a very even degree of sound absorption for the whole frequency range.

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