

Concepts

Products

Service



**Stamp your project with a unique hallmark.**

Lindner Concepts – for customisation of your ideas.



**Lindner**

Building New Solutions

# Building new solutions.

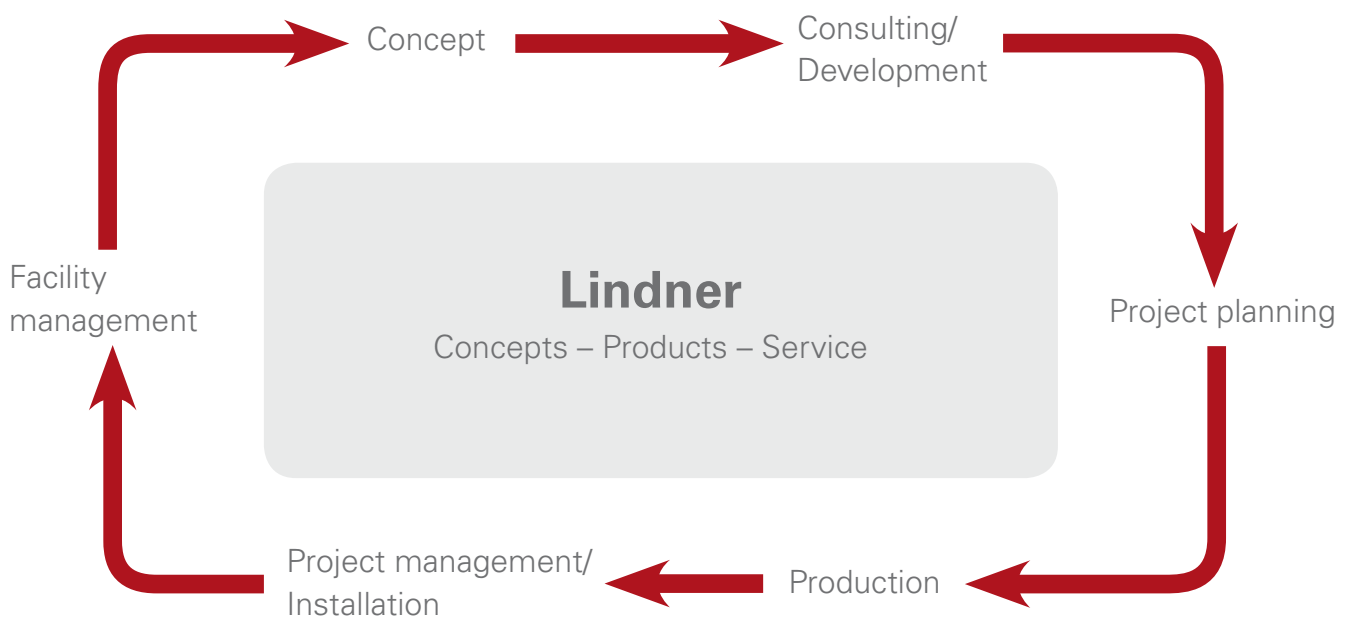
Lindner undertakes major worldwide projects in all areas of interior finishes, insulation technology, industrial services and building facades. From pre-planning through to project completion Lindner is your partner of choice.

The Company's extensive manufacturing capability enables quality to be strictly maintained whilst allowing maximum flexibility to meet individual project requirements.

Environmental considerations are fundamental to all Lindner's business principles.

Through partnerships with clients Lindner turns concepts into reality.





## Everything from one source.

We offer you all our products and services individually or as a customised process chain – starting from your idea all the way to turnkey handover. Procedures intelligently coordinated with each other guarantee made-to-measure solutions and efficient construction with far fewer interfaces.

# To us, “Building New Solutions” means fulfilling your dreams – with Lindner Concepts, Products and Service.

To bring your **concepts** to life, our numerous, highly specialised experts will work with you and with our innovative technologies to develop integrated all-in-one solutions for special projects, such as cinemas, airport terminals and clean rooms. In doing so, we will be at your side with numerous highly specialised experts as well as innovative technologies.

Our **product** portfolio welcomes the challenge of special requirements, and having our own research, development and manufacturing facilities allows us to fulfil your requests at any time. With numerous production sites in various countries, we can provide you with both system solutions and customised solutions within a very short period of time. Processes which are kind to the environment are our greatest concern and for this reason we only use tested and approved materials. Our dedicated Environmental Management policy guarantees, amongst other things, a reduction in emissions and energy consumption. Our continual quality inspection ensures maximum product reliability, a fact of which we are proud - our products are the cornerstone of our company.

We offer you a professional **service** at every stage of your project. Our exclusive, long-standing network of partners means that you can choose from a large pool of qualified skilled workers. Our relationship with our external supply chain partners means that we have extensive manufacturing capabilities, thus guaranteeing fast delivery and installation for all our products.

Profit from our three areas of activity for the successful implementation of your special requirements.

## Choosing Lindner you have:

Lindner Concepts:  
Tailored solutions specifically geared to satisfy individual project requirements

Lindner Products:  
Quality materials and systems to the very highest industry standards

Lindner Service:  
Comprehensive project management services

# Exceptionally impressive.

Lindner Concepts for Special Projects.

**We stamp every project with a unique hallmark, doing so with:**

- Insulation Engineering and Industrial Service
- Clean Rooms and Laboratories
- Airports and Airlines
- Railways and Tunnels
- Studios and Concert Halls
- Interior Fit-out and Furnishings
- Cruise Liner and Ship Fit-out
- Hotels and Resorts
- General Contracting

# If you want your pipes to keep their contents to themselves choose: Lindner Insulation Engineering and Industrial Service.

Engineering and planning for M+E services, district heating, power plants, sound protection, fireproofing and chemical plants.

We are continuously developing innovative systems for complex specialised projects to help you turn even the most sophisticated of ideas into reality. For power plants, chemical plants and mechanical services we will be glad to design all-in-one made-to-measure solutions for thermal and cold as well as sound and fire protection.

We will also find the most economically efficient system using the most ecological planning for your project.



DOW, Schkopau

Lindner carried out all the insulation work for the PET (chemical) plant, including, amongst other things, the thermal and cold protection as well as the fireproofing, sound protection and polyurethane foam work. In addition, we equipped the pipelines, reactors and furnaces with service-friendly fittings and flange caps.

## **Very warmly recommended for environmental protection.**

You use district heating? Lindner not only offers you excellent insulation but also comprehensive service – for efficient and environmentally-friendly transfer of heat from the power plant to the consumer.

## **Safety in dangerously hot situations.**

We develop special solutions for industrial and construction facilities, supplying hard and soft bulkheads for mechanical services and spray coatings for operational facilities. We can also supply special fibreglass or calcium silicate cladding as well as fire protection cladding for electrical and ventilation systems.

## **Silence is golden.**

In addition to their output, machines such as compressors, pumps and drive units produce one thing above all: noise. With special sound protection solutions you can live and work in peace and quiet at all times – even when in the immediate vicinity of noisy machines.

# Competently planned Insulation Engineering and Industrial Service.

**Our engineering and design offices will support you with engineering and planning – expertly and to suit your customised design requirements.**

Availability of technical insulation and advice on construction:

- thermal calculations/measurements
- acoustic calculations/measurements
- structural calculations for load-bearing support structures for insulating cladding
- insulation specifications and tender specifications, incl. calculation of dimensions

Engineering of insulation for heat, cold and noise in operational facilities, for both domestic and international markets:

- large-scale boiler facilities
- fresh air supply and flue gas ducts
- flue gas cleaning plants
- tanks, equipments and pipelines
- gas turbines
- soundproof housings and soundproof booths
- air supply and exhaust systems
- refineries
- chemical plants
- construction of general industrial and production facilities

Supervision of construction of technical insulation for domestic and international markets:

- construction site management
- technical construction supervision
- supply of materials

Lindner can do even more than this. Find out on the following pages how we can offer you further customised Concepts.

# A neat solution for your project: Lindner Clean Rooms and Laboratories.

## Pure joy for:

- Electronics and surface technology
- Pharmaceuticals
- Medical engineering
- Optics
- Microsystems and precision engineering
- Food and beverage technology
- Customised solutions

## We create particle-free zones.

If absolute spotlessness is the prerequisite for your products or production processes, we are the right partner for you. With our know-how and appropriate special purpose equipment, we guarantee that the consummate professionalism of your project will be the only thing kicking up dust.

Our products and services – individually or as a complete package:

- analysis of site conditions
- advice on choice of solutions
- draft planning and implementation planning
- supply and installation of finished components
- project management and construction site management
- training courses, and technical assistance, for your employees
- long-term maintenance of clean rooms
- mechanical services for buildings



NFI, Den Haag (NL) – Special laboratory walls, a media supply system, electrical supply and the laboratory furniture were provided by Lindner for this project.



“Building New Solutions” – our standard with which we have already delighted many clients: Novartis, Bayer, Boehringer Ingelheim, Roche, Merck, Ratiopharm, Infineon, AMD, IBM, Motorola, Philips and many more.



Infineon, Munich – Lindner installed the ceilings, floors and walls as well as the lock control system.

# An excellent calling card worldwide: Airports and Airlines.

We carry out your projects from one single source and assist you with our services and products for ceilings, floors, partitions, doors, lights and lighting, heating and cooling technologies as well as facade systems to complete your project.



## Passenger Terminals

Our expert teams have many years of experience in carrying out challenging interior work in airport terminals. Our well-known and successfully completed projects, innovative solutions, sustainable and environmentally friendly products make the Lindner Group your worldwide partner. Our sophisticated solutions are cost-effective and correspond to the requirements of Green Building.

## Lounges

Whether you are on a business trip or going on holiday, your journey begins in a pleasant atmosphere with the lounges constructed by Lindner for airports or railway stations.

Our international teams offer always best advice for specific request.

## Shops

Being a market leader means to offer regularly new concepts and innovations.

Our proposals for interior work in shopping areas in airports and rail stations underline this statement. In fast-moving times, projects with very tight timescales and the guarantee of offering the best service are essential factors. You can be sure that all those demands can be easily handled by Lindner.

# Lindner successfully implements one of the biggest airport terminal projects worldwide.

## London Heathrow International Airport Terminal 5, Great Britain

**The following system products were developed, produced and installed by Lindner.**

- Facades
- Drop-Slide ceilings
- Disc ceilings
- Raft ceilings
- Expanded Metal ceilings
- Linear Grid ceilings
- Glazed partition walls and metal wall cladding
- Beacons and FID Trees
- Floor systems
- Doors

### Facades

The facades at Terminal 5 consist of more than 45,000 m<sup>2</sup> of glass which equals to 7,500 facade elements. Our elements and special facades can be found in T5A, T5B, the multi-storey carpark, control tower and the airport rail station. Flooded with natural light, the buildings have a fantastic atmosphere and considerably reduce the need for artificial lighting. The glass has been treated with a special coating to regulate the temperature and the amount of natural light entering.

In order to guarantee the safety of passengers and airport workers, parts of the facade have been made blast resistant.

### Beacons



Photos: Steve Bates

### Partition Walls



# Enjoy your trip! Your partner for Railway Station projects.

Every day millions of passengers travel by train – one of the most important transportation systems and an important link in the national and international logistic chain. Rail transport is highly efficient due to the large transportation volume. Another reason for railway stations to become highly recognised in the last decades as landmark buildings.

Lindner offers innovative solutions which correspond to the challenging demands of interior works in railway stations.

## Central Railway Station, Berlin

The central station in Berlin, previously known as Lehrter Bahnhof, is the biggest and most modern station in Europe today.

### Works carried out:

- Screed
- Customised Metal ceilings
- Expanded Metal ceilings
- Aluminium ceiling and wall cladding
- Stainless Steel ceilings



Some parts of the 25,000 m<sup>2</sup> metal ceilings are custom-made in order to achieve the pressure and suction resistance necessary. Lindner was again able to prove their ability to undertake large-scale demanding projects.



# Reliability in Tunnel Fit-out: Achieving objectives with our expertise.

Load-bearing components have to be protected by thermal insulations in case of fire. Distinct solutions result from different requirements of the construction as well as its utilisation.

We provide you with services from planning and implementation of bespoke fire protection concepts up to production and installation of complete fire protection ceilings and wall claddings with fire protection boards.

We support you in furnishing of service buildings with our know-how and in finding solutions for demanding fire and sound proofing systems. We also manufacture products like fire protection doors and raised floor systems.



## Elbe Tunnel, Hamburg

The new Elbtunnel was built in 1975 and is part of the Autobahn A7 in the western part of Hamburg, which passes underneath the river Elbe.

The effects of weathering on the asbestos boards, used as fire protection, increased the risk of asbestos dust being released.

As certified specialist, we removed 2,900 t of contaminated material and replaced them with environmentally friendly fire protection systems. Altogether, we have installed 75,000 m<sup>2</sup> of fire protection boards.

# Room concepts for all the senses: Lindner Studios and Concert Halls.

At the theatre or opera visitors expect top-class listening pleasure.

Acoustics and speech intelligibility also play an important role in auditoriums, radio and recording studios. This is why we offer you our extensive experience, innovative expertise and the highest quality and perfectionism when undertaking projects to construct these specialised rooms.

## **Made-to-measure special solutions for your project.**

Trust our unique expertise, which ensures your building project will be a success. As a pioneering company for studios and concert halls, we offer you professional advice and support – individually tailored to your requirements.

## **You call the tune in your studios.**

For your rooms, we guarantee you ideal architectural and room acoustics because we find the best solution for you with regard to sound, function and design. Thus we can meet your individual requirements at any time.

## Studios – media technology intelligently integrated.

In addition to applying the highest acoustic standards, we ensure that cables and ventilation fittings can be placed in the floors, walls and ceilings – invisible and yet accessible at all times.

### Individual solutions for acoustics.

Let Lindner turn your project into a masterpiece: We can install, for example, perfect sound insulating. To do so, we will supply acoustically effective ceiling cladding according to your needs in various materials, such as fabric or metal – completely in accordance with your wishes and requirements.

As experienced construction specialists we provide you with solutions for variable room acoustic concepts entirely according to your wishes. Your concert hall will be a multi-functional room which will always provide the right acoustic conditions regardless of the type of event being held. Pure pleasure for eyes and ears!

In order to fulfil all these requirements we are happy to give you detailed advice on the technical options and together we develop an integrated concept. On request you will then receive all the accompanying services from one source – so your project runs 100 % smoothly and efficiently.



Photo: Jens Willebrand Fotografie, Cologne

The Konzert Theater, Coesfeld

Pivoting wall and ceiling baffles which can be adjusted to the differing acoustic demands of each event were designed especially for this construction project. Lindner proved their skill once again with the construction of the auditorium.



NDR, Hamburg

Here Lindner undertook the entire studio construction work, including dry wall construction, flooring screed work, access floors, wall cladding, expanded metal ceilings as well as the studio doors and windows.

The editorial office area was designed as an open-plan office in front of the studios. A glass wall connects the two rooms to enable direct eye contact among staff.

Lindner was one of the first companies to implement this design successfully.

# Room for your dreams: Lindner Interior Fit-out and Furnishings.

Implementing extraordinary ideas is our daily business. In collaboration with renowned architects and companies, we not only develop all the interior fit-out solutions for large specialised projects but we also carry them out: from the built-in fittings to the furnishing and individual pieces of furniture.

For the implementation of sophisticated concepts for:

- Government and state buildings
- Educational institutions
- Theatres and assembly halls
- Banks and industry administrative buildings
- Special buildings

Mercatorhalle in the CityPalais, Duisburg

The Mercatorhalle is one impressive example of our special projects. Here we installed movable ceiling canopies on the complex ceiling of the hall, balustrade cladding and the movable furniture. The wall cladding was also provided by us – its mosaic of plain and perforated panels makes a big impact. It should also be noted that its adjustable wall fins can be adapted to any acoustic conditions necessary.

The finishing work on the conference and meeting rooms adjacent to the hall and their entry areas was also carried out by Lindner.



Photo: Susan Feind





University Frankfurt am Main, Campus Westend

The interior of the Law and Economics faculty library on the Westend Campus has been designed just as sharply as its facade. The veneered surfaces of the furnishings form an exciting contrast to the stone outer shell.

Photos: Stefan Müller

Good interior design shows in the details: door elements and bookcases are built in flush to the wall cladding. The balustrade cladding, the central counter area and the 950 study desks are essential parts of our work.



Photo: Nick Cadena

## Innovative fit-out products.

### PUREline

This topclass product combines the advantages of metal panels with real wood veneer. PUREline is used in many Lindner Group systems.

In the South Texas Blood & Tissue Center in San Antonio we were able to fulfil the demanding design requirements of the architects despite strict acoustic and fire regulation requirements just by using PUREline. The curved panels on the ceiling of this atrium, and the wall and ceiling panels in the central building of this non-profit organisation for blood and tissue donation are finished in high-quality Black Cherry veneer.

### COMPLINE

Lightweight panels as sandwich construction with honeycomb aluminium core. Top layers in HPL or aluminium, lacquered or with real wood veneers, make it possible to produce large format panels with great stiffness and evenness.

### FIREwood – real wood veneered A2 panels

The real wood veneered, non-combustible fibre reinforced gypsum panels have been tested as composite material to DIN 4102-1 and can be used in emergency rescue routes, stairwells and assembly halls. With an optionally perforated surface, all products can fulfil specific acoustic requirements.

# Launch for top design: Cruise Liner and Ship Fit-out by Lindner Maritime.

Cruise ships are like large luxury hotels with an excellent range of entertainment options. Shipping companies and their ship designers know perfectly well that holidaymakers, looking for new experiences and relaxation, take it for granted that their needs and requirements are at the heart of all efforts.

## Lindner Maritime – well-engineered solutions at sea.

Lindner always aims to offer its customers well-engineered, safe and long-lasting products. Many of the materials and constructions needed have been available in a similar form from the Lindner Group for many years. Together with the Research and Development Department, our fit-out experts have applied their experience diligently to meet the challenges of ship fit-out. The result can already be seen on several finished luxury liners. More are under construction or in the planning phase.



## Complete projects and high quality products.

Our references of ready-to-use interior fit-out of whole ship sections reflect the trust shipyards and shipping companies have in Lindner Maritime.

So far we have focused on developing tailor-made solutions for high-profile areas, based on our product range. With COMPline, for example – a lightweight panel with honeycomb aluminium core – we have an incredibly versatile product at hand for the construction of walls and ceilings, including the option for real wood veneered surfaces. And with our tried and tested metal ceiling systems we can fulfil requirements of SOLAS classes “C”, “B0-A15” and “B15-A30”.

We also deliver these special products, optionally combined with the support of our project planners and developers, to other fit-out companies.



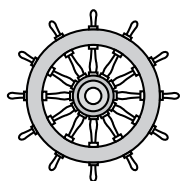
As partner to the world-leading cruise ship builder, the shipyard Meyer Werft in Papenburg, Lindner Cruise Liner and Ship Fit-out regularly provides complete fit-out for whole ship sections in situ.

The „Solstice Class“ cruise ships for Caribbean Cruises are among the most modern and most luxurious constructions of their category. The series includes 5 ships which are to be delivered by 2011. Lindner took on the complete fit-out of the „Sky Observation Lounge“ on Deck 14 and the three restaurants of the „Specialty Dining“ on Deck 5.

Photos: Ingrid Fiebak Photography



Also the best known cruise ship operator in Germany, AIDA Cruises, relied on Lindner's competence for their latest ships of the „Sphinx Class“. We completed the heart of the ship on the top deck, the Aida Bar with lounge, casino and photo shop, as well as, on the last three ships, the „Marktrestaurant“. All the fixtures are custom-made pieces.



96/98/EG

Our production and our products for ship fit-out are certified to the EU quality assurance systems.

Lindner installed metal ceilings in all the corridors on two luxury liners for the Disney Cruise Line. In Arnstorf we developed and manufactured ceiling systems for the particular application on these ships, under consideration of fire regulation requirements for some areas. The important advantage of this tailored solution: Even the large format panels can be individually removed and allow access to the ceiling cavity from any point.

# Make the stars twinkle: Lindner Hotels and Resorts.

The fit-out of hotels has a long tradition with Lindner. As partner for investors, operators and architects, we offer the expertise of the market leader in interior work for the luxury hotel and top resort market segment. We have the skills and capacity to advise on, develop and build major projects – always true to our motto: Everything from one source.

## **All inclusive: also possible with Lindner.**

Our new offer is a complete construction service package – for new buildings as well as refurbishments at home and abroad. The experience of our project managers and the financial strength of the Lindner Group guarantee the highest quality, best cost-effectiveness and an efficient construction phase.

## **À la carte: prepared just for you.**

Standardised interior fit-out programmes, furniture from serial production or prefabricated solutions for hotels do not correspond with our idea of finding the best solution for your individual vision. Instead our staff in sales, planning, supervision and installation prove their professionalism with every detail of every project. Your wishes and the requirements of your designers and architects will be turned into reality with expertise and diligence. From the very beginning, we make use of the most modern technical resources and highly trained staff to guarantee finished solutions on schedule.





### Your advantages at a glance:

- The entire process is handled by one service provider
- Professional project handling with experience of hundreds of large scale construction sites
- Unrivalled depth of grown inhouse processes provides for optimum project progress
- Use of the entire capability of a financially strong company
- International presence



Hotel Concorde, Berlin - Photos: Stefan Müller, Berlin

For this project, Lindner carried out the complete interior work as the general contractor. We provided all dry construction, natural stone and metal work, plus wood and textile floor coverings. Our main tasks were the entire joinery work and the fittings for all 311 rooms and suites including curtains and light fittings.

# Customised and coordinated processes: Lindner General Contracting.

To us, “Building New Solutions” means providing you with Concepts, Products and Service which are geared exactly to the requirements of your project.

We undertake the complete interior fit-out for you, from start to finish, from planning, development and design through to subsequent remodelling and other construction support.

You profit from the general advantages associated with awarding the entire construction to a single partner (ranging from the complete interior fit-out to the facade construction). In addition, we offer you our special Lindner know-how as well as a wide range of products from our in-house production. Just ask us – we are already looking forward to working on your special project with you.

## Our offering for General Contracting includes, among other things:

- facade construction
- floors and doors
- joinery
- screeding
- painting
- plaster work
- building services
- tiling
- metal construction work
- floor covering
- dry wall construction
- plumbing

## You have the vision.

### We offer perfect implementation.

Have you planned an exclusive project? We will be glad to advise you on functional and technical requirements as well as construction and design details. Our specialists will work with you to draw up a suitable project-related solution. You have the idea; we have the ways to make it happen.

For the fulfilment of your special requirements you can tap into either the individual Lindner services or into our complete service portfolio – whichever you prefer.





## **Lindner General Contracting.**

### **Advantages that speak for themselves:**

- Minimisation of interfaces leads to reduction of costs and scheduling
- Products from our own production
- Experienced project management
- Large manufacturing capacity and partnership with a large company
- Many years of experience and comprehensive know-how
- Shouldering the risks in terms of liability and guarantee



Illustrations on this page: Hotel Ininside, Frankfurt am Main

Inside Hotel in Frankfurt: Lindner carried out the demolition work, scaffolding and masonry work, steel construction work, concrete and reinforced concrete work, decorative plaster work, the entire dry wall construction and the facade construction. In addition, Lindner supplied and installed the wood doors and partition walls.

## We can do it all for you.

### Lindner Concepts:

- Insulation Engineering and Industrial Service
- Clean Rooms and Laboratories
- Airports and Airlines
- Railways and Tunnels
- Studios and Concert Halls
- Interior Fit-out and Furnishings
- Cruise Liner and Ship Fit-out
- Hotels and Resorts
- General Contracting

### Lindner Products:

- Facades
- Ceiling Systems
- Lights and Lighting Systems
- Partition Systems
- Doors
- Floor Systems
- Heating and Cooling Technologies
- Dry Lining Systems

### Lindner Service:

- Green Building
- Deconstruction and Gutting
- Clearance of Harmful Substances
- Research and Development
- Delivery
- General Planning
- Installation
- Maintenance
- Public-Private Partnership (PPP)

### Lindner Group

Bahnhofstrasse 29  
 94424 Arnstorf  
 Germany  
 Phone +49 (0)8723/20-0  
 Fax +49 (0)8723/20-21 47  
[info@Lindner-Group.com](mailto:info@Lindner-Group.com)  
[www.Lindner-Group.com](http://www.Lindner-Group.com)