



Concepts

Products

Service

New Perspectives for Living Spaces.

Green Building with sustainable quality from Lindner.



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.

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

Discover the excellent properties of our sustainable products.



Ecologically worthwhile, economically sensible. Our advantages:

- In-house Research and Development department
- Certified company
- Consistent process chain – from the consultation phase to building management
- Solutions with long-life products from our own production facilities
- All-embracing recycling scheme for all products
- Extensive services in the development of sustainable projects
- Seamless coordination of facade construction and interior fit-out

In harmony with progress. We like to think ahead.

Aspects of our Sustainability Programme.

When manufacturing our products – as well as during every phase of your project – sustainability plays a crucial role. All aspects of our sustainability cycle interconnect and are summed up in our motto: Building New Solutions. Sustainability creates the basis of our work; we satisfy sustainable building criteria through our environmentally friendly thinking and processing. You will find out more on the following pages and see our products and services for yourself.



Environmentally
conscious use
of raw materials

Environmentally conscious use of raw materials

When manufacturing our products, we use ecological approved and quickly renewable regional raw materials and materials as well as certified wooden composites. We encourage the cultivation of sustainable regional materials (within a radius of 800 km) as well as their regeneration and/or manufacture. Accordingly we source 1,400 m³ of timber from native forests and use approx. 90,000 reusable wooden palettes made by companies in our region.



Use of recycled
materials

Use of recycled materials

Through the addition of recycled materials in the resources we use (post-consumer) and the reuse of production waste in the production process (pre-consumer) sometimes more than 20 % of our materials is recycled. Due to the efficient use of all materials during our production process we ensure that all resources are protected. In addition we save 25 tons of powder and 800 m³ of water annually in our powder coating facilities by continually recycling and recovering. The best examples of this are our calcium sulphate panels which are made from 99 % recycled materials.



Integrated
energy concept

Integrated energy concept

Our production processes are largely based on the efficient use of raw materials. We use local biomass heating and renewable sources of energy. For example, our photovoltaics plant produces 274 kWp from solar energy – this is equal to the electricity needs of 50 detached houses. In addition our new waste-to-energy (CHP) plant produces 2 million kWh of energy each year from 700 tons of sawdust.



Use of
low-emission
materials

Use of low-emission materials

In the main we use ecological adhesives, sealants, paints, coatings, carpets, wooden and natural fibre products. Even when it comes to powder coatings we only use the cleanest of technologies with no exhaust air* or effluents. Our powder coatings contain no solvents or VOCs (volatile organic compounds). On top of this we complete Environmental Product Declarations, including ecological balance sheets, for our entire range of services. This means that we can always prove our ecological and technical performance and you are assured of having a responsible partner at your side.

* except from steam during pre-treating



Indoor
air quality

Indoor air quality

In all our projects we ensure compliance with the limits set for all products used – for example we prioritise the use of urea-formaldehyde free, wood-derived products. In addition, we will also be happy to create an Indoor Air Quality Plan (IAQ) and, through regular measurement, guarantee a healthy air quality during all phases of your project. By using pre-fabricated products we avoid long drawn-out work on site, resulting in lower emissions.



Thermal
comfort

Thermal comfort

With numerous options for combining and integrating our ceilings, floors and wall systems, our heating and cooling technologies offer the most favourable level of thermal comfort and a customised, energy-saving solution for every construction project.



Reuse of
construction
materials

Reuse of construction materials

The consistently high quality of our products and careful use of raw materials significantly extends the life expectancy and recyclability of the products. For example, our partition walls are designed so that they can be easily removed and yet fulfil all structural requirements. We can prove our competence in this area; on a large project we help to recycle 98 % of the materials and components used. This “Innovative Recycling Concept” was honoured at the 2009 “Germany – Land of Ideas” Competition where Lindner was selected as one of 365 locations with the best ideas in Germany.



Sustainable
recycling concepts

Sustainable recycling concepts

From direct recycling through to thermal reclamation – on the basis of a detailed Construction Waste Management Plan (CWMP) we can recycle up to 98 % of resources on a renovation project. We separate all components into different categories ready for removal and despatch all materials to the best-suited recycling channel. Through our many years of experience in the area of decontamination and removal we can evaluate the quality and seriousness of disposal or recycling businesses and can therefore select the best solution for our customers.

Taking responsibility since 1965. Especially for the future.

Implementing sustainable projects means achieving an ecologically, socially and economically acceptable future.

How do we achieve this? By taking into consideration all economical aspects and the effects on people and the environment during the planning and development phases as part of our integrated quality and environmental management. In everything we do it is our aim to continually minimise the use of energy and resources thereby protecting the environment as well as increasing the efficiency of all projects.

Mind over manufacture. Lindner Production.

We manufacture the majority of our products ourselves in our production facilities around the world. To keep costs continually low, we use the exact amount of technology required to achieve maximum efficiency. One of our basic aims is to significantly reduce energy consumption during production, whilst at the same time reducing, recycling or disposing of unnecessary waste in an environmentally friendly way.



Our head office in Arnstorf, Germany



Quality is the foundation of our service. Lindner Project Planning.

We carefully prepare each individual operation and adjust it to your needs. Before and during the construction phase our integrated management system ensures continuous improvements in quality, safety and the environment. Thanks to our many years of experience in the areas of ecology and economics, we can guarantee sustainability for the entire life cycle of our products.



The Lindner Group's integrated management system is certified to EN ISO 9001, EN ISO 14001, SCC** and OHSAS 18001

Consistently innovative. Building with the environment.

With resources becoming even more scarce and the threat of climate change a constant worry, companies are urgently required to take a stand. We have understood this for a long time and have become a pioneer in the field of responsible, careful Building New Solutions. Your individual project is at the centre of our thinking and our business. Each project requires an individual sustainable solution – and our products are as individual as your ideas.

Putting things into perspective. Lindner Charity Work.

We also take social responsibility by taking care of people in need quickly and with as little red tape as possible. In addition to this we wanted to stimulate the economy in Germany by continually creating jobs. To achieve all this we established two foundations: the Hans Lindner Foundation and the Hans Lindner Institute.

Even our most unusual solutions comply with the highest environmental protection regulations.

With high quality products and competent service levels we fulfil the requirements of the three most well established building certification systems.



The German Sustainable Building Council (DGNB) has created a particularly integrated approach to building evaluation. As well as classic values such as ecology, economic and socio-cultural aspects, the standard also evaluates the technical, process and location aspects of a sustainable project. As a founding member, Lindner are actively involved in building up awareness for the DGNB and in furthering their standards.



The LEED system of the US Green Building Council is the most extensive certification system in the world. Lindner products fulfil the requirements of four of the six main LEED categories "New Construction and Major Renovations". We can apply experience we have gained from working on a project of the highest certification category, Platinum.



The British BREEAM standard is the oldest certification system on the market. Its objective is also to evaluate the total environmental output of a building – from planning to completion including operation. At Lindner we are pleased to help you with all phases of your project.

Our passion is building. Building New Solutions.



From planning through to management – with our extensive service we accompany your project through the building certification process and provide an all-round ecologically friendly package; before, during and after the construction phase.

Our services in the area of sustainable deconstruction and construction management include:

- Creation of an individual Green Building concept
- Creation and care of an integrated quality and safety management plan
- Development of a project-specific solution for material reuse
- Supplying, evaluating and monitoring the disposal company and the method of disposal
- Development and continuation of a Construction Waste Management Plan
- Care for relevant parts of Erosion and Sedimentation Control Plans
- Duty to the relevant elements of the Erosion and Sedimentation Control Plans

Lindner Clearance of Harmful Substances – since 1988.

“Not all waste is rubbish” – we provide individual concepts for all types of gutting and renovation projects.



Integrated energy concept



Indoor air quality



Reuse of construction materials



Sustainable recycling concepts

To ensure that you feel comfortable in your building at all times it is important that living and working areas are free of pollutants. Using Lindner you benefit from the many years of experience and competence of one of the leading decontamination and gutting specialists. Thanks to state-of-the-art technology and our extensive expertise, we renovate safely and sustainably, thus creating a healthy environment. In addition to this we are also a founding member of the Fachverband für Asbestsanierung (Professional Association for Asbestos Decontamination) and have contributed extensively to the development of today's working techniques and contaminant guidelines in Germany. Innovations for a comfortable tomorrow.

Deutschland Land der Ideen



“Germany - Land of Ideas”

We are one of 2009's distinguished locations, decorated for Innovative Recycling.

Dresdner Bank tower block, Frankfurt on Main



We get to the heart of the matter to ensure your comfort.

- Highest safety and environmental standards
- Successful implementation of the Green Building principle
- State-of-the-art technology
- Individual solutions for material reuse
- Controlled removal of all components up to and including the final demolition of the building shell
- Selection of construction materials used and management of recyclable elements
- A recycling quota of up to 98 % of the material



We are a founding member of the Professional Association for Asbestos Decontamination (Fachverband für Asbestsanierung).

HypoVereinsbank, Munich



Renewed fabrics. Revitalising existing buildings.

We welcome the challenge of making old buildings fit for the future or renovating properties for new purposes. With our pioneering concepts, innovative ideas and a systematic and efficient approach we redesign the existing fabric of the building for integrated and sustainable usage, where the economical and ecological life cycle of the product and the building plays a significant role.

Our ideas today are tomorrow's solutions. Lindner Flooring Systems.

We produce functional, long-life, premium quality products which satisfy ecological requirements as economically as possible.

We guarantee ecological awareness at every stage of our production process.

For 25 years we have produced our flooring systems with responsibility for people and the environment in mind. Flexibility and energy efficiency have also characterised our products for many years. We use environmentally friendly, contaminant free, solvent free materials with low emissions for our floor panels, adhesives and surface coverings. Even the substructures demonstrate sustainable qualities – the steel pedestals can be easily removed and recycled.



Environmentally conscious use of raw materials



Use of recycled materials



Integrated energy concept



Use of low-emission materials



Indoor air quality



Thermal comfort



Reuse of construction materials



Sustainable recycling concepts



KARE, Garching

Our calcium sulphate raised floor panels are made from over 99 % recycled materials:

- From 8,000 tons of recovered paper, 100,000 tons of recycled gypsum and reprocessed water we produce 2,250,000 m² of system flooring.
- Our floor panels contain no harmful emissions or pollutants

The perfect base for successful projects. Some of our many accolades from the flooring industry:

- Tested and recommended, on the basis of excellent test results, by the Institut für Baubiologie Rosenheim GmbH (The Institute for Building Biology, Rosenheim)
- Best emissions values certified by ASTM 5116-97
- Eurofins certification for the use of adhesives containing very low emissions
- Tested and certified to the Singapore Green Label

Room to move. Lindner Partition Wall Systems.

Flexibility and transparency for your projects.



Use of recycled materials



Integrated energy concept



Use of low-emission materials



Indoor air quality

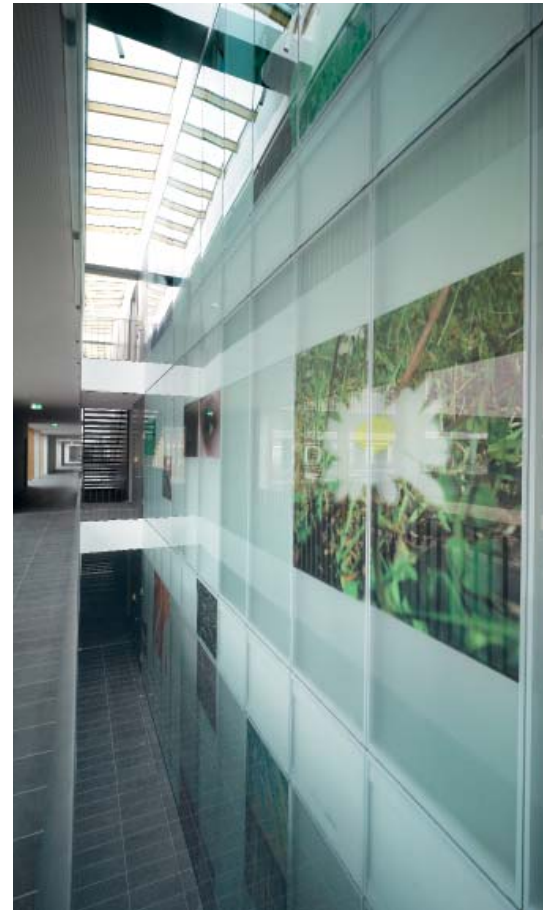


Reuse of construction materials



Sustainable recycling concepts

Our requirement for the highest quality standards in our modern production facilities and the efficient use of raw materials ensure production to tight tolerances and a long product life-span. It's not only our processes which are transparent – our partition wall systems can also be installed with up to 95 % glazing, which means that you can enjoy good views and can use day light as an efficient source of energy.



Gymnasium II, Erding

A good position for environmental protection:

- Minimum on-site waste
- Solvent-free, factory-made surface coatings
- At the end of their useful life individual components can be easily separated, making Lindner partitions highly recyclable
- Best possible re-use of elements after a conversion or renovation
- Composite wall panels made from certified wood

Open for innovation. Lindner Doors.



Oberstufen Zentrum, Berlin

Today we are already producing to the ecological standards of tomorrow.



Environmentally conscious use of raw materials



Use of recycled materials



Integrated energy concept



Use of low-emission materials



Indoor air quality



Reuse of construction materials



Sustainable recycling concepts

We guarantee the use of renewable raw materials and at the same time ensure economical use of materials. This conscientiousness is mirrored in our environmentally friendly varnishing process which is water-based and re-uses the oversprays in the varnish plant.

For our natural wooden doors we use urea-formaldehyde free wood-derived products.

Products of the highest quality. Lindner Metal Ceilings.

With most products prefabricated we reduce on-site wastage, at the same time increasing the quality of our solutions.

Our metal ceilings don't just provide you with a unique choice – their very high level of quality workmanship offers a long product life-span, ensuring valuable advantages in life-cycle costs.

In our production facilities we use metals with a high percentage of recycled materials and environmentally friendly coatings. This means that the materials can be easily separated and the ceiling panels safely recycled.

Only the best for your rooms.

- No pollutants are brought into the atmosphere of the room
- Solvent-free, factory-made surface coatings
- Optimum re-use after conversion or renovation
- Efficient coating facilities with powder recycling
- Fireproof ceilings F30/F90 to secure escape routes
- Developing smoke in the event of fire rated as 'harmless' in smoke toxicity testing



Use of recycled materials



Integrated energy concept



Use of low-emission materials



Indoor air quality



Reuse of construction materials



Sustainable recycling concepts

Emphasis on a clean powder coating:

No waste air* and no effluents!

- Solvent and VOC-free (volatile organic compounds)
- 800 m³ of contaminated water recycled every year
- 25 tons of powder saved yearly thanks to powder recycling

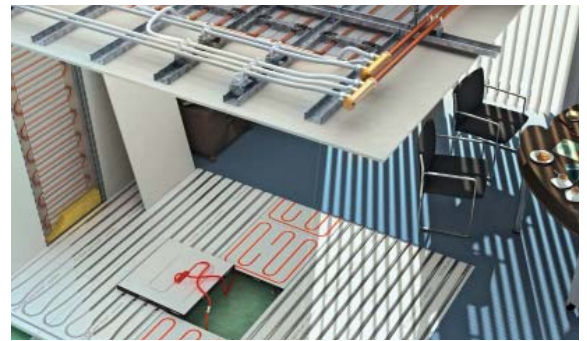
*Except from steam during pre-treating



Biocenter, Copenhagen

Optimal temperature. Lindner Heating and Cooling Technology.

Lindner provides innovative Heating and Cooling Technologies to ensure that people feel comfortable at all times and that all rooms can be easily and constantly regulated to the right temperature. This technology fulfils all functional as well as visual needs and can be concealed in ceilings, floors and walls. Our coordinated processes guarantee an efficiently run project – from the idea right through to functional use.



An efficient room concept with added comfort – with Lindner Heating and Cooling Technology.



Use of recycled materials



Integrated energy concept



Use of low-emission materials



Indoor air quality



Thermal comfort



Reuse of construction materials



Sustainable recycling concepts

We can provide you with a customised concept for the integration of facades, building services engineering and interior fit-out as early as the planning phase. Based on our extensive range of services and our many years of experience we can precisely determine, and optimise, the heat input from facades and lighting systems, which our heating and cooling technology uses to efficiently regulate the temperature in the rooms. Through the coordination of all elements we design your building as ecologically as possible – for a long life-span and an environmental conscience.



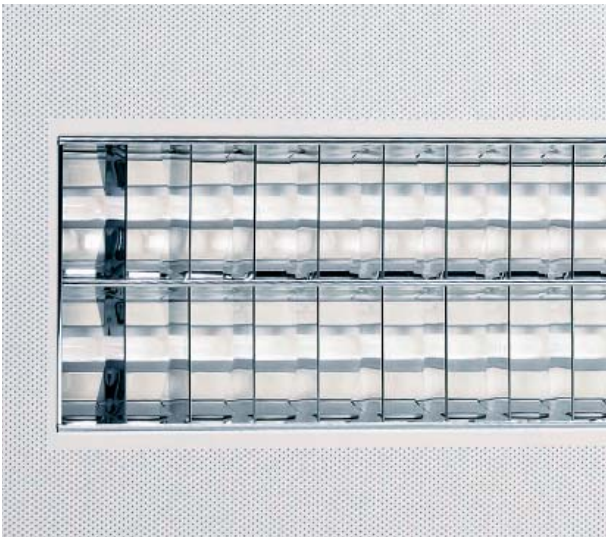
Torre Espacio, Madrid

A good position for environmental protection:

- Noticeably improved comfort thanks to gentle air conditioning
- Energy savings thanks to low flow temperature
- Lack of requirement for cooling agents
- Highest level of energy efficiency and thus a source of primary energy conservation

More light with less energy: Lindner Lights and Lighting Systems.

Efficient, eco-friendly and adaptable – our pioneering lights.



Highly efficient lights from Lindner, framelessly integrated into the metal ceiling



Integrated energy concept



Thermal comfort



Reuse of construction materials



Sustainable recycling concepts

You can always count on us to find an economical solution.

- Highest light output ratios (up to 98%) due to silver coated reflector technology
- Minimisation of the cooling load
- Needs-orientated lighting controls and settings
- Can be integrated with a heat and chilled function

Unusual interiors. Interior Fit-out and Furnishings by Lindner.

In the area of interior fit-out we create integrated ecological solutions – from development through to implementation.

Our specialisation in wood means that we can offer you eco-friendly, CO₂ neutral products right from the beginning; for interior fit-out as well as for every individual piece of furniture. New solutions in their most natural form.



Lindner COMPline sandwich panel
with an aluminium honeycomb central layer



Lindner FIREwood panel with oak veneer
(non-combustible, A2 classified)



Environmentally
conscious use
of raw materials



Use of recycled
materials



Integrated
energy concept



Use of
low-emission
materials



Indoor
air quality



Reuse of
construction
materials



Sustainable
recycling concepts

Through the efficient use of the correct raw materials and the reduction of elements containing formaldehyde, our panelling materials comply with the latest ecological standards.

Not just a pretty face. Lindner Facades.

Our facades combine aesthetics with function and safety and contribute significantly to the energy efficiency of buildings.



Integrated energy concept



Use of low-emission materials



Indoor air quality



Thermal comfort



Reuse of construction materials



Sustainable recycling concepts

For a perfect eco-balance an examination of the total building envelope is essential. When it comes to efficient energy use, low carbon dioxide emissions and the resulting eco-friendliness, our facades play a significant role. They fulfil all environmental protection requirements and create architecturally attractive, comfortable and secure surroundings.

Many impressive benefits:

- Heat input is facilitated where heat energy can be saved
- Heat input is reduced where this has to be compensated for by cooling
- Heat losses through transmission are minimised
- Natural ventilation through window openings creates a better environment
- Blinds can be integrated
- The thermal mass of a building can be used to regulate the temperature
- Solar energy can be collected via the facade
- Supports technology for the redirection and regulation of light
- Recycled materials with a high level of reusability are used in the manufacturing process



30 Crown Place, London

We can do it all for you.

Lindner Concepts:

- Airports and Railways
- Clean Rooms and Operating Theatres
- Cruise Liner and Ship Fit-out
- General Contracting
- Hotels and Resorts
- Insulation and Industrial Service
- Interior Fit-out and Furnishings
- Special-Purpose Constructions and Stadiums
- Studios and Concert Halls
- System Buildings

Lindner Products:

- Ceiling Systems
- Doors
- Dry Lining Systems
- Facades
- Floor Systems
- Heating and Cooling Technologies
- Lights and Lighting Systems
- Partition Systems
- Roofing Systems
- Steel & Glass

Lindner Service:

- Clearance of Harmful Substances
- Construction Management and Project Development
- Deconstruction and Interior Demolition
- General Planning
- Global Product Supplies
- Green Building
- Industrial Scaffolding
- Installation and Building Services
- Research and Development

Lindner Group

Bahnhofstrasse 29
 94424 Arnstorf
 Germany
 Phone +49 (0)8723/20-37 52
 Fax +49 (0)8723/20-1 28 87
green.building@Lindner-Group.com
www.Lindner-Group.com