DIVERSIFIED – WELL EQUIPPED FOR THE FUTURE
**DIVERSIFIED – WELL EQUIPPED FOR THE FUTURE**

The Lindner Group has developed into a sound, multidimensional enterprise since it was founded by Hans Lindner in 1965. This document will provide you with an overview of our comprehensive product and service portfolio for building envelopes, interior design and insulation technology in almost all fields of application.

We are pioneers in our industry in terms of digitisation and process optimisation in project management and on construction sites. We support our customers by means of modern technical solutions and are also at the forefront of BIM both at product and process level. We are extremely focused on “healthier construction”, as dictated by our environment and the well-being of our customers. Innovative concepts such as cradle-to-cradle® and workplace strategies are our passion. We can thus realise even your most unusual requests according to our motto “Building New Solutions”.

We are a strong team of motivated colleagues who feel content within our employee-oriented Group. You will also note as a customer that we take pleasure in our work and are proud of what we can achieve – “There is no way for “No way!”

Our partners recognise us as solution-oriented, technically strong, reliable and economically sound. We are a wholly-owned family business and will remain so in the future.

**FROM HERE ALL OVER THE WORLD**

Our headquarters in Lower Bavarian Arnstorf has always served as the corporate head office and stands as a symbol of constancy and growth. The company’s expansion over decades has seen the premises increase in size to include numerous production and office buildings. The site now covers an area of approximately 200,000 m². This makes the Lindner Group the largest employer in the Rottal-Inn district and one of the largest companies in Lower Bavaria.

The Lindner Group serves many markets and customers all over the world from the tranquil town of Arnstorf. Our fitters, project managers, construction estimators and branch managers set out from here every week and travel to their projects throughout Germany and all over the world. Besides the facilities for the company’s project and supply business, including production, sales and administration, the Arnstorf site also houses the Hans Lindner Foundation and the company’s training centre. The Schlossparkhotel Mariakirchen is located only four kilometres away and provides pleasant accommodation and a home-brewed beer for our guests.

- 6,700 members of staff worldwide
- daily on 2,500 construction sites
- 57 % equity ratio
- 1,800 partner companies
- 10,000 suppliers

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Headquarters of the Lindner Group, Arnstorf, Germany
TERMINALS
THE PASSENGER EXPERIENCE IN MAIN TERMINAL AREAS.

Lindner’s specialised team is focusing on the interior fit-out of passenger terminals around the globe for more than 20 years. With innovative and environmentally-friendly products Lindner is a leading partner for infrastructure projects worldwide.
A GLOBAL PLAYER... WITH OUR ROOTS IN ARNSTORF

Globally we have realised countless projects for our customers. From very small and simple up to very large and demanding. We implement this using innovative solutions, as it is evident from the many examples on the following pages.

We manage these projects partly via our global network of established subsidiaries and partly via specialised project teams sent from Germany, or via reliable partner companies in terms of the delivery business.

Contact us at our headquarters in Arnstorf or visit www.Lindner-Group.com to find your local point of contact.

Lindner Group
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We are globally active for our customers every day and have already executed projects in numerous countries.
MAIN AIRPORT REFERENCES BY LINDNER

Abu Dhabi Air Traffic Control Tower, UAE
Amsterdam Schiphol Airport, Netherlands
Ankara Esenboga Airport, Turkey
Athens Eleftherios-Venizelos Intl. Airport, Greece
Barcelona-El Prat Intl. Airport, Spain
Budapest Ferenc Liszt Intl. Airport, Hungary
Canberra Intl. Airport, Australia
Cologne-Bonn Intl. Airport, Germany
Dubai Intl. Airport, UAE
Dublin Intl. Airport, Republic of Ireland
Durban King Shaka Intl. Airport, South Africa
Enfidha Intl. Airport, Tunisia
Frankfurt Intl. Airport, Germany
Hong Kong Chek Lap Kok Intl. Airport
Istanbul Atatürk Intl. Airport, Turkey
Las Vegas McCarran Intl. Airport, USA
London Heathrow Intl. Airport, UK
Luxembourg Intl. Airport
Madrid Barajas Intl. Airport, Spain
Mauritius Sir Seewoosagur Ramgoolam Intl. Airport
Mumbai Chhatrapati Shivaji Intl. Airport, India
Munich Franz-Josef Strauß Intl. Airport, Germany
Ningbo Lishe Intl. Airport, China
Oslo Gadermoen Intl. Airport, Norway
Paris Charles de Gaulle Intl. Airport, France
Perth Intl. Airport, Australia
Sibiu Intl. Airport, Romania
Singapore Changi Intl. Airport
Shanghai Pudong Intl. Airport, China
Sydney Intl. Airport, Australia
Tripoli Intl. Airport, Lybia
Tbilisi Shota Rustaveli Intl. Airport, Georgia
Vienna Intl. Airport, Austria
Wroclaw-Copernicus Intl. Airport, Poland
Zagreb Franjo Tudman Intl. Airport, Croatia
Canberra Airport, a vital passenger and freight hub of Australia’s capital, has carried out major redevelopment works to their terminal and surrounding infrastructure. Lindner supplied 6,000 m² of Hook-On ceilings and recessed lights in the departure and arrivals areas to the Southern Concourse Extension. Furthermore, Lindner supplied customised Baffle and Hook-On ceilings for the new Western Concourse Terminal and The Atrium – the terminal’s centrepiece with a three-story glass facade giving passengers a unique view of the runways and the beautiful landscaped gardens on the front side of the terminal.
ARCHITECT  
Guida Moseley Brown Architects  

BUILDER  
Construction Control  

SCOPE OF WORKS  
- LMD-E perforated metal Hook-On ceilings  
- customised LMD-L metal Baffle ceilings for the interior and exterior  

CONTRACT VALUE  
950,000 EUR
SHENYANG TAOXIAN INTERNATIONAL AIRPORT, CHINA

Shenyang Airport is an air transportation junction in northeast China. Nowadays, there are approx. 130 domestic air lines and 25 international air lines. Some of the destinations are very famous tourist destinations, including Beijing, Shanghai, Xian, Shenzhen, Guangzhou, Hangzhou, Hong Kong, Macau, Taipei, Seoul, Osaka and Tokyo. For the iconic interior shape of the wall and ceiling cladding supplied by Lindner, over 16,000 different kinds of panels were necessary due to the curved shapes. One larger triangular structure surrounded by an open joint is composed of 9 smaller triangular cladding panels.
ARCHITECT
CNADRI (China Northeast Architecture Design and Research Institute)

BUILDER
Liaoning Airport Management Group

SCOPE OF WORKS
- LMD-S customised triangular perforated metal ceilings
- customised triangular perforated metal wall claddings

CONTRACT VALUE
850,000 EUR
One of the most distinctive characteristics of the Chhatrapati Shivaji International Airport Terminal 2 is its closeness to the native culture. The largest art exhibition of the country can be found in this terminal, giving arriving passengers a warm welcome with an insight into local culture. The building has an annual capacity of 40 million passengers and a LEED Gold certification.
ARCHITECT
Larsen & Toubro

BUILDER
MIAL and GVK

SCOPE OF WORKS
- 71,500 m² LMD-E Hook-On metal ceilings with ARTline wooden optic powder coating
- 12,200 m² LMD-E Hook-On metal ceilings in bronze colour
- 5,000 m² plasterboard ceilings and light coves
- various other ceiling types

CONTRACT VALUE
7.3 million EUR
CASE STUDY – SPECIAL SURFACES
Metal and wood – a perfect symbiosis
ARTline surface is a wooden optic décor suitable for metal claddings and ceilings. ARTline’s wooden surface is undergoing an extensive powder coating process, fulfils the demands for fire security as well as UV-resistance and shows high durability against different chemicals and solvents. Micro-perforation is the best choice to preserve the wooden appearance and simultaneously use the surface for acoustic absorption.

Alternatively our surface option PUREline provides real wood veneer on metal or for the highest standards regarding non-combustibility and fireproofing FIREwood – a combination of real wood veneer on a special calciumsulphate board – can be used for claddings and ceilings of many different types.
Visualisation of a wall cladding on an airport terminal covering installations, cables and supply lines behind. The cladding shows FIREwood panels partly perforated for acoustic reasons. All panels seamlessly integrate into one system no matter if inspection hatches, doors or other openings necessary for e.g. ventilation outlets are required.

**PRODUCT FEATURES**

**ARTline**
- imitation of wood surfaces and fantasy decors by means of special coating process on metal
- easy cleaning/maintenance and good resistance against UV radiation, solvents and chemicals of many kinds
- fire behavior fulfils the building material class A2-s1, d0 according to EN 13501-1 and Class A according to ASTM E 84
- available with micro-perforation to minimise the impact on the wooden appearance

**PUREline**
- real wood veneer on metal
- fire behavior fulfils the building material Class A according to ASTM E 84
- resistance against UV radiation
- available with micro-perforation to minimise the impact on the wooden appearance

**FIREwood**
- real wood veneer on calcium sulphate panels
- fire behavior fulfils the building material class A2-s1, d0 according to EN 13501-1
- resistance against UV radiation
- best performance regarding Green Building Standards

Photo: © marcusbredt.de
FRANKFURT RHINE MAIN AIRPORT A-PLUS, GERMANY

The new pier A-Plus expands the Terminal 1 of Frankfurt Airport, adding check-in positions for wide-body aircrafts. Lindner carried out extensive interior fit-out works as well as the complete interior fit-out of five new Lufthansa Lounges and the Heinemann Duty Free Shops.
ARCHITECT
gmp Architekten von Gerkan, Marg & Partner

BUILDER
Fraport AG

SCOPE OF WORKS
- dry construction, drywall partitions, doors
- metal ceilings and metal wall claddings
- shop closings
- interior facades
- exterior ceilings
- raised floors
- insulation works
- luminaires
- complete interior fit-out of five Lufthansa Lounges
- complete interior fit-out of the Heinemann Duty Free Shops

CONTRACT VALUE
68 million EUR
MUNICH FRANZ JOSEF STRAUSS AIRPORT TERMINAL 2 SATELLITE, GERMANY

Munich Airport is the second busiest airport in Germany in terms of passenger traffic behind Frankfurt Airport, and the seventh busiest airport in Europe, handling 42 million passengers in 2016. As of February 2017, the airport features flights to 248 destinations, making it the airport with the fifth-most destinations worldwide. Munich Airport serves as the secondary hub for Lufthansa and its Star Alliance partners besides Frankfurt. Being within approx. one hour car drive away from the Lindner Group’s headquarters, Lindner has been heavily involved in the construction and development of the airport from the start with Terminal 1 (opened in 1992) to Terminal 2 in the last decade up to now with the new mid-field satellite building opened in 2016.
ARCHITECT
Koch & Partner

BUILDER
Flughafen München GmbH

SCOPE OF WORKS
- 51,900 m² LMD-B Post Cap ceilings with Cross Noggins
- 12,200 m² various other LMD metal ceilings
- LMD-St Expanded Metal ceilings
- plasterboard linings for shops
- glass smoke barriers
- support rails and substructure for signage

CONTRACT VALUE
9.5 million EUR
VIENNA INTERNATIONAL AIRPORT, AUSTRIA

Vienna International Airport is the biggest and busiest airport in Austria. The 730 m curved terminal building has been designed with glass facades on its north and south side, which will give an important visual connection for passengers between the landside and airside of the airport. The main hall of the terminal extension has been designed to be airy and spacious in an open plan concept making full use of natural light and allowing “connections” to be made at all levels of the building. Vienna represents one of the first airport project that benefits from Lindner’s innovative hollow and raised access floor systems not only for back-of-house areas but also for main terminal areas allowing for a flexible cable management in the floor cavity. Besides that Lindner supplied ceiling systems with sophisti- cated access operation mechanism allowing for easy maintenance access to the services being housed in the ceiling void.
ARCHITECT
ZT GmbH, Neumann und Partner

BUILDER
ARGE Skylink Innenausbau
(Swietelsky/Bögl)
rhtb: projekt GmbH

SCOPE OF WORKS
- 35,000 m² Floor systems NORTEC and FLOOR and more®
- 9,000 m² Ceiling system LMD-E Hook-On with customised Swing-Down function

CONTRACT VALUE
7 million EUR

Photo: © Werner Huthmacher, Berlin
BARCELONA INTERNATIONAL AIRPORT, SPAIN

The building’s design has a sophisticated multicultural character with Mediterranean architecture. Lindner provided more than 230,000 m² to the major hub of the Catalonia region. The main component of the ceilings’ appearance consists of custom made Hook-On panels with extremely high insulation sound values. The special configuration and substructure supports the curved 3D shape even with a rectangular ceiling system.
ARCHITECT
Ricardo Bofill Taller
de Arquitectura

BUILDER
AENA

SCOPE OF WORKS
- Hook-On ceilings
- customised ceilings

CONTRACT VALUE
16 million EUR
OSLO GARDERMOEN AIRPORT, PIER NORTH, NORWAY

The new North Pier is the main new design feature at Oslo Gardermoen Airport. The pier, which is constructed with curved glulam beams and cladded with oak, creates an efficient and flexible passenger flow by siting domestic and international areas one on top of the other, allowing all travellers to use all gates. The shape of the building takes advantage of passive solar energy and sunlight, and features low-carbon technologies like district heating and natural thermal energy. Thanks to Lindner’s innovative and sustainable products, the airport’s needs and the architect’s visions could perfectly be realised on this project.
ARCHITECT  
Nordic Office of Architecture  

BUILDER  
Avinor/OSL  

SCOPE OF WORKS  
- 18,000 m² customised metal ceilings  
- 20,000 m² FLOOR and more® power comfort, heavy-duty  
  hollow floor with heating/cooling  
- Pavilions (structures for shopping areas)  

CONTRACT VALUE  
8 million EUR
CASE STUDY – OSLO’S PIER NORTH SPECIALTIES
Hollow floor with integrated heating/cooling technologies – FLOOR and more® power comfort
+ loadable within shortest time period (especially suitable for fast-track projects)
+ highly flexible regarding cable and supply line management
+ enormous cost savings on long-term period when changes to room lay-out need to be made compared to traditional screed systems
+ panels are a premium Green Building product as made of recovered paper, recycled gypsum and reprocessed water
PRODUCT FEATURES

- heats up and cools down very quickly
- almost any floor covering can be used
- heating capacity 60 - 100 W/m² and cooling capacity 23 - 45 W/m²
- eco-friendly; low flow temperature
- special panel composition
- strengthened pedestals
- stringers are not required
- safe for driving over with heavy motorised lifting apparatus
LONDON HEATHROW AIRPORT, UK

A contract value of 130 million EUR — one of the largest projects in airport construction was awarded to the Lindner Group. With Terminal 5 Lindner highlighted its capability of being the perfect partner to execute such a large construction project. Our core competence is to provide bespoke solutions such as the 130,000 m² of metal ceilings which we supplied and installed in T5 and which perfectly exemplify our company’s business expertise. Besides the T5 milestone project, different subsidiaries of the Lindner Group have been widely involved in the development of the Terminals 2, 3 and 4 as well.
ARCHITECT
Pascall & Watson Ltd.

BUILDER
BAA plc

SCOPE OF WORKS
- Drop & Slide, Disc, Raft, Mesh, Tubular and Canopy ceilings
- curtain wall – special bomb resistant Hook-On facades
- Lindner Life glass partitions
- floor systems
- doors

CONTRACT VALUE
130 million EUR

Photo: © BAA Limited
CASE STUDY – LONDON HEATHROW AIRPORT’S SPECIALTIES

Glass wall lining Lindner Free Individual
+ sophisticated appearance and elegant design
+ exterior depth/wall cavity variable
+ glass and metal surfaces combinable
+ inspection opening can be integrated
+ requirements for impact load, wind and suction loads are met
+ optionally available as bomb-blast-enhanced version
PRODUCT FEATURES
+ construction options: fastened to the wall
+ measurements: material-related production
+ joint width: 5 mm (standard)
+ height: unlimited, as back-mounted onto load-bearing wall
+ weight: 40 - 45 kg/m²
+ steel substructure/steel studs: constructed from folded or rolled steel sheet profiles, zinc coated or laquered
+ hook-on construction: consisting of extruded aluminium profile, anodised
+ build connections: Relocatable floor, ceiling and wall connections
+ combinable wall panels: glass panels, metal panels
+ bonding: type: in accordance with ETAG 002 standard for Structural Glazing
+ permissible temperature range: -50 °C to +150 °C
Lindner is an expert in developing customised solutions. For Vnukovo Airport, Lindner developed a ceiling system based on a modular design with two triangular panels forming a parallelogram. As a further highlight of the ceiling’s visual appearance, the architect influenced the design with bespoke integrated lighting systems specifically developed and produced by Lindner. Even with 80 different panel shapes the access to services is guaranteed via every single panel.
ARCHITECT
Metrogiprotrans

BUILDER
OAO Vnukovo

SCOPE OF WORKS
- LMD-S special triangular ceiling panels with torsion spring system
- customised Hook-On/Corridor ceilings
- customised Lighting systems

CONTRACT VALUE
600,000 EUR
DUBAI INTERNATIONAL AIRPORT, UAE
The Dubai International Airport Hotel is located in the transit area of the airport. Hotel guests can enjoy celebrity treatment with world-class service during their stay. Being a landmark building within the airport, Lindner was responsible for the hotel envelope and adjoining ceilings with genuine wood surface. The applied system called PUREline consists of a real wood veneer on metal panels of aluminium or galvanised steel. The highest demands such as fire and earthquake resistance or light weight together with an exceptional visual appearance can be easily provided with this product.
ARCHITECT
ADPi/Dar al Handasah, Shair and Partners

BUILDER
Cloisall Co. LLC

SCOPE OF WORKS
- PUREline real wood veneered suspended ceiling
- wall cladding
- curved aluminium ribs with real wood
- laminate aluminum panel enclosure
- custom made linear wood grill assembly

CONTRACT VALUE
7 million EUR
HONG KONG INTERNATIONAL AIRPORT, CHINA
Foster + Partners’ design supplemented the project an astonishing appearance. The focus is on the specially coated, triangular ceiling panels which were supplied and installed by Lindner and which cover an area of more than 160,000 m².
ARCHITECT
Foster & Partners

BUILDER
BCJ Joint Venture

SCOPE OF WORKS
- triangular metal ceilings for the exterior and interior
- plain and perforated aluminum panels
- external soffit lining
- binnacles
- daylight reflectors
- check-in islands

CONTRACT VALUE
64 million EUR
The Charleston International Airport modernisation covers a complete overhaul of the airport, the addition of five new gates, a new consolidated car rental facility and streamlined security check points. The retail and lounge areas will see a new high ceiling with skylight, to create a more pleasant travel experience to the 2.6 million passengers passing through each year. Our customed finish panels were installed throughout the airport, covering nearly all ceiling areas, adding a new perspective for the coastal airport with our Haight Blue Wood panels in partnership with Pure + FreeForm.
ARCHITECT
Fentress

BUILDER
Warco Construction

SCOPE OF WORKS
7,100 m² of
- LMD-W Exterior Ceilings
- LMD-E 340 Drop and Slide Interior Ceilings

CONTRACT VALUE
1.2 million EUR
SHOPS
THE ULTIMATE SHOPPING EXPERIENCE.

An execution time of very tight duration and works during daily operations is the main challenge with retail areas in airport environments but can easily be handled with complete solutions – and on top – secures the very best service for your project.

Trust in many years of Lindner’s experience in the fit-out of shops and offices. Whether you are aiming to attract customers by visually pleasant shop fronts and interior design or if you want to achieve discretion in your office rooms using acoustically highly effective solutions, Lindner is your strong partner.
One of Heinemann’s shops is located at Vienna Airport. In order to give this shop a special charisma, it was redesigned. It was intended that the ceiling would play an important role as a design element. With this project, Lindner once again proved its competence and reliability as a partner for special solutions. The optical and technical requirements from the ceiling could be met with a custom system from the LMD-DS canopy ceiling product family. This ceiling serves as an eye-catcher while skillfully complementing the overall look of the room. Besides the ceiling, the installed Lindner FLOOR and more® hollow floor system certainly contributes to the success of this shop by providing a flexible and sustainable solution for cable and supply line management.
ARCHITECT
BMC BaumanagementConsulting GmbH (flooring);
Gebrüder Heinemann

SCOPE OF WORKS
- LMD-DS Metal Canopy Ceilings
- FLOOR and more®-hollow floor system

CONTRACT VALUE
190,000 EUR
By applying the theme “German Forest”, the Heinemann Shop at Frankfurt Airport takes reference to its surrounding region, just like all other international Duty Free Shops of Heinemann. This has been put into practice with several constructional aspects, such as the generous use of wood and other natural materials. The “leaves” of the forest are provided by a Custom Metal Ceiling System which was developed specifically for this project by Lindner. Furthermore, Lindner was responsible for the execution of numerous other works as a part of the shop’s fit-out.
ARCHITECT
JSK Architekten, FAAG Technik GmbH, Gebrüder Heinemann,
Büro Grünzig Gesellschaften

SCOPE OF WORKS
- plasterboard ceilings
- plasterboard partitions
- wall claddings
- FLOOR and more® hollow floor system
- screed works
- site equipment
- painting works
- doors
- tiling works
- LMD-B Post Cap Metal Ceilings
- LMD-S Customised Metal Ceilings
- demolition works

CONTRACT VALUE
3.4 million EUR
THE PAVILIONS PROJECT AT OSLO AIRPORT PIER NORTH – RETAIL AREA, NORWAY

Since the extension of the main terminal and the new construction of “Pir Nord”, Oslo Airport is capable of processing about 30 million passengers per year. The new terminal uses its 300 metres in length to house eleven new gates including restrooms, restaurants and shops.

Lindner AG was commissioned with the development, planning and construction of five free-form retail pavilions in the pier. In order to reduce both the weight and the logistics efforts, Lindner recommended the use of wood instead of steel. The entire support structure, being designed in detailed 3D planning, was constructed with a framework of laminated timber. Over 10,000 parts needed to be milled and numbered for quicker installation. The pavilions organic form was created through a multi-layered convex cladding of bendable gypsum fibre boards that also fulfilled the fire protection requirements. The exterior hull was finished with a structured mineral lime plaster. The interior was cladded with 8,000 unique triangular, acoustically effective metal panels.

Lindner AG was also contracted with other custom solutions in the terminal. Lindner developed and supplied a ceiling system for an area of about 18,000 m², consisting of approximately 1,500 differentiated and diamond-shaped panel types. The central area saw the fitting of further 2,000 m² of expanded metal ceilings and 7,000 m² hook-on ceilings. Furthermore, 20,000 m² of the hollow floor system FLOOR and more® power comfort have been installed. This particularly resilient system is fitted with an integrated heating and cooling system, allowing efficient temperature control even in these open spaces.
ARCHITECT
Nordic Office of Architecture

SCOPE OF WORKS
Development and installation of Pavilions with erection of the structures as well as interior and exterior lining

CONTRACT VALUE
5.7 million EUR
OSLO AIRPORT PIER NORTH PAVILIONS – “THE STONES” IN A CASE STUDY
From design and functional intent regarding people flow to concept stage and realisation.
Architect’s concept regarding design intent and people flow in retail area

Visualisation of retail area provided by architect

First glulam structural timber grids installed

Finished pavilion showing customised interior metal cladding following the individual organic shape of the pavilion

Finished pavilion with customised exterior linings and special surfaces
MUNICH AIRPORT T2 SATELLITE BUILDING – DUTY FREE SHOP AREA, GERMANY

The new duty free area at Munich’s Satellite Terminal embodies the unique flair of the Bavarian capital with all its cultural aspects. The different shop areas have been designed to characteristics based on the individual districts and historical places of Munich. Metal figures of local celebrities, a cosy beer garden atmosphere and a modern interior fit-out create an emotional shopping experience for travellers and shorten the waiting times. Lindner contributed to the realisation of the shop with various interior fit-out products.
ARCHITECT
Gruschwitz GmbH

SCOPE OF WORKS
- expanded metal ceilings
- plasterboard ceilings
- plasterboard partitions
- mineral fibre ceilings
- wall claddings
- wooden doors

CONTRACT VALUE
680,000 EUR
LOUNGES
LEAN BACK AND RELAX – THE LOUNGE EXPERIENCE WITH LOUNGES FITTED BY LINDNER

Lindner’s worldwide experience in the airport sector – especially in lounges and airport offices – together with our tremendous product range makes us an obvious choice when considering the design, performance and functional requirements of a lounge or an office. We offer individual solutions for your project and guarantee a quick realisation at an economical price. We provide packages for the complete fit-out and if requested our own architects and engineers assist from the planning stage to the work phase including building permit.
LUFTANSA LOUNGES AT FRANKFURT AIRPORT

In October 2012, the new pier A-Plus of Frankfurt Airport was commissioned as an add-on to Terminal 1 facilities. In addition to the large amount of works performed on the pier, Lindner was also responsible for the turnkey interior fit-out of five new Lufthansa Lounges. One First, two Senator and another two Business Class Lounges realised with state-of-the-art fittings and furnishings by Lindner were commissioned to the client.
ARCHITECT
K2 Architekten

CLIENT
Deutsche Lufthansa AG

SCOPE OF WORKS
Complete interior fit-out of 9,000 m² Lounge Area

CONTRACT VALUE
2.4 million EUR

Photo: © Dominik Mentzos

Photo: © Jens Görlisch
CHILLED BAFFLE CEILINGS BY LINDNER IN LOUNGES – A CASE STUDY

Photo: © Lufthansa First Class Lounge, München, Design: Hollin + Radoske Architects
PRODUCT FEATURES
+ very maintenance-friendly thanks to movable baffles
+ different centre distances possible
+ ceiling void can be used for ventilation purposes
+ free spaces between the baffles can be used for the installation of various fixtures, e. g. lighting units, sprinklers, or the suspension of signs etc.
+ perforated baffles with inlays suitable for sound absorption
+ systems can be equipped with heating and cooling technology – Lindner Plafotherm® Ceilings
EMIRATES FIRST AND BUSINESS CLASS LOUNGE AT SHANGHAI PUDONG AIRPORT

An Emirates Business and First Class Lounge was built at the international departure terminal 2 at Shanghai Pudong International Airport. It was the first airline lounge in this terminal. Lindner was responsible for the turnkey interior fit-out of the 860 m² lounge. Further Emirates Lounges realised by Lindner are located at Birmingham, Dusseldorf, Frankfurt, Hamburg, Munich and Zurich Airport.
ARCHITECT
- Emirates Architects
- Lindner

SCOPE OF WORKS
Complete interior fit-out as turn-key solution

CONTRACT VALUE
1.5 million EUR
VIP LOUNGE AT MUNICH AIRPORT

Munich airport, with transit passengers making up 37% of all passengers passing through, certainly is one of the most important airport hubs in Europe. Terminal 1 holds up to 25 million passengers and its new VIP lounge, located in Module D South, helps well-heeled travellers pass their waiting time in exclusive lounge and service areas. Lindner furnished the new VIP lounge with its premium dry lining systems besides further trades.
ARCHITECT
Erich Gassmann Architekten

BUILDERS
Flughafen München GmbH

SCOPE OF WORKS
- baffle, acoustic, customised mineral fibre as well as plain and perforated plasterboard ceilings systems
- metal stud plasterboard, wet area plasterboard and customised partition systems
- glass partition systems

CONTRACT VALUE
400,000 EUR
LINDNER LAOLA WAVY BAFFLE CEILINGS – A CASE STUDY
PRODUCT FEATURES

+ variable baffle heights
+ wide range of radii selectable
+ high-performance lighting units can be directly integrated into baffles to follow the shape and accentuate the ceiling
+ very maintenance-friendly thanks to movable baffles
+ different centre distances possible
+ ceiling void can be used for ventilation purposes
+ free spaces between the baffles can be used for the installation of various fixtures, e. g. lighting units, sprinklers, or the suspension of signs etc.
+ perforated baffles with inlays suitable for sound absorption
RAILWAYS
FROM STATION TO STATION – THE RAILWAY EXPERIENCE WITH LINDNER

Rail transport involves the conveyance of millions of passengers and is part of the logistic chain for national and international trade and economic growth. For this reason railways have become important symbolic buildings over the centuries. Interior design for railway stations is also a key feature and the massive scale of these buildings requires an emphatic design statement.

Lindner provides many innovative solutions to meet the challenging demands for the interior and exterior of railway stations. Our experience together with our tremendous product range makes us the right choice to carry out your project. Our worldwide teams are able to offer packages from supply only of individual products to supply and installation of complete custom fit-outs.
We are globally active for our customers every day and have already executed projects in numerous countries.
MAIN RAILWAY REFERENCES BY LINDNER

Arnhem Terminal, Netherlands
Berlin Central Station, Germany
Cairo Metro, Egypt
Cologne City Rail, Germany
Dubai Metro, UAE
Düsseldorf Subway and Central Station, Germany
Essen Subway, Germany
Frankfurt ‘The SQUAIRE’, Germany
Ganzenhoef Metro Station, Netherlands
Hamburg Subway, Germany
Istanbul Railway, Turkey
Lai King Station, Hong Kong
London Underground and Crossrail Stations, UK
Madinah and Makkah Haramain Railway Stations, KSA
Munich Subway and Railway Stations, Germany
New York WTC Path and Hudson Yards Station, USA
Stratford Station, UK
Toronto Subway Stations, Canada
Utrecht Vaartsche Rijn Station, Netherlands
Vienna Central Station, Austria
METRO DUBAI, UAE

The Dubai Metro is a driverless, fully automated metro rail network in the United Arab Emirates city of Dubai. Lindner worked to a tight schedule for the fit-out of all stations on the Red and Green Line. The interiors of the stations are uniquely designed in respect of their historical background and adopt a specific design theme. Most elements have been customised for their particular use within the stations. More than 53,000 m² of special ceilings, 88,000 m² of screed, 30,000 m² glass work and numerous other trades have been carried out to the complete satisfaction of the client.
ARCHITECT
Atkins

BUILDER
JT Metro Joint Venture

SCOPE OF WORKS
Complete interior fit-out of 13 stations on the Red Line and 11 stations on the Green Line

CONTRACT VALUE
145 million EUR
CASE STUDY – THE PIN CHANNEL SUBSTRUCTURE SYSTEM
Among other challenging requirements regarding the Dubai Metro projects, Lindner had to come up with a solution for the inner claddings of several stations that had the shape of a tube with a cladding that went from typical wall cladding zones with a seamless transition into the curved ceiling area. To achieve this seamless transition and being able to work with a continuously running homogeneous substructure, Lindner developed the so-called pin channel system that allows for maintenance-friendly operation in use and ease of installation. Special notches in the edges of the panels provide for the reception on bolts at the substructure profiles.

The curved shape of the cladding was cost-effectively realised by transferring the curvature from the panels into the substructure, i.e. only the substructure profiles are curved while the panels could be manufactured without curvature by cleverly selecting the panel dimensions for the segmentation of the curved shape. The panels that are hooked onto the bolts of the substructure system are self-securing due to the notches and therefore also rest in place in the event of seismic loads. This substructure system is also available for a range of different cladding materials like metal, glass or timber.
MAKKAH AND MADINAH HARAMAIN HIGH SPEED STATIONS, SAUDI ARABIA

The Haramain High Speed Rail is one of the major infrastructure projects for the Kingdom of Saudi Arabia, connecting the cities of Makkah, Madinah, Jeddah and the developing King Abdullah Economic City (KAEC). Lindner worked in close collaboration with the architects Foster + Partners to deliver seamlessly integrated ceiling solutions that fulfil a wide variety of demands ranging from acoustics, fire proofing, resistance to seismic as well as other loads and of course shaping the appearance of prominent areas such like the train boarding area. Besides the ceiling, our innovative and sustainable raised access floor system NORTEC is used in technical areas.
ARCHITECT
Foster + Partners

SCOPE OF WORKS
- customised LMD-TC metal Tube and LMD-E Hook-On ceilings
- raised floor NORTEC

CONTRACT VALUE
1.5 million EUR
World Trade Center Station for PATH rail service originally opened in 1909. Following the September 11, 2001 attacks, the station was reconstructed. It was designed by Spanish architect Santiago Calatrava. With our customised ceiling following 3D-shapes featuring structural design extrusions milled with precision we could contribute to the breathtaking design.
ARCHITECT
Santiago Calatrava

CLIENT
Port Authority NY & NJ

SCOPE OF WORKS
12,000 m² of customised Torsion Spring ceilings

CONTRACT VALUE
3.2 million EUR
THE SQUAIRE FRANKFURT, GERMANY

The office building, with a length of 660 metres and a height of 9 floors, is connected to the Terminal 1 of Frankfurt International Airport and Frankfurt Railway Station and was fitted out with various ceiling systems by Lindner. The futuristic design is not only an eye-catcher in this region it also provides additional space for offices, hotels and shops.
ARCHITECT
JSK Architekten

BUILDER
THE SQUAIRE GmbH & Co. KG

SCOPE OF WORKS
- Plafotherm® metal heating and cooling ceilings
- LMD-B Post-cap ceilings
- LMD-S customised ceilings
- glass partition
- metal partitions
- accessories for partition systems
- doors with aluminium frame
- acoustic metal elements
- Fire-resistant doors
- FLOOR and more®
- FLOOR and more® comfort

CONTRACT VALUE
26 million EUR
Marienplatz Station is an important stop on the Munich S-Bahn and U-Bahn network, located under the square of the same name in Munich’s city centre. From 2011 until October 2015, the station was refurbished and the mezzanine level was realised in an entire new design with the relocation of kiosks to border areas and new interior fit-out works. Lindner contributed to this with customised metal ceilings and structures for the wayfinding and signage system.
ARCHITECT
Allmann Sattler Wappner Architekten

CLIENT
Stadtwerke München GmbH

SCOPE OF WORKS
- LMD-S customised metal ceilings
- Wayfinding/Signage

CONTRACT VALUE
2.1 million EUR
WEHRHAHNLINIE, DÜSSELDORF, GERMANY

The Wehrhahn-Linie is one of the main subway lines operated by the city railway of Düsseldorf. Works for the 3.4 km long track including 6 new stations started in November 2007 and the line started its service in February 2016. The stations were also part of an art project with each station having its own motto designed by graduates of the Academy of Arts Düsseldorf. Lindner fitted out the stations with different types of metal ceilings incorporating the design intent of the art motto besides fulfilling many other functional and aesthetic requirements.
ARCHITECT
netzwerkarchitekten

CLIENT
Landeshauptstadt Düsseldorf

SCOPE OF WORKS
- 6,400 m² LMD-St customised expanded metal ceilings
- 8,200 m² LMD-E customised hook-on ceilings

CONTRACT VALUE
6.8 million EUR
CROSSRAIL STATIONS, LONDON, UK

Crossrail is a 118-kilometre railway line under development in England, running through parts of London and the home counties of Berkshire, Buckinghamshire and Essex. The central section and a large portion of the line, between Paddington in central London and Abbey Wood in the south-east, are due to open in December 2018; when it will be named the Elizabeth line in honour of Queen Elizabeth II.

The project was approved in 2007 and construction began in 2009 on the central section and connections to existing lines that will become part of the route. It has been described as one of Europe’s largest infrastructure construction projects. Its main feature is 21 km of new twin tunnels through central London. Lindner was involved in the fit-out works of platforms and link tunnels of the main stations in central London featuring striking GFRC linings that follow the shape of the tunnels as well as advertisement panels and grilles besides various other works.
ARCHITECT
- John Mc Aslan + Partners
- WSP
CLIENT
Costain Skanska JV
SCOPE OF WORKS
- 7,000 m² GFRC (gypsum fibre reinforced concrete) blast-enhanced lining following the shape of platform and connecting tunnels
- 200 t of primary steelwork
- LMD-E 340 Secure blast-enhanced Drop-Slide metal ceiling
- Lindner Free Individual Secure blast-enhanced glass wall cladding
CONTRACT VALUE
25 million EUR
FEEL COMPLETELY SAFE – LINDNER SECURE

Lindner Secure is a new product range developed in response to the increasing demand for enhanced security environments. With a heightened risk of terrorist activity in today’s society, where political unrest and religious tensions are playing out on an international stage, it is unfortunately necessary to assess any public structure that sees the gathering of large numbers of people – from airports and stadia to shopping centres, hospitals and law courts – in the context of bomb-blast security.

The intention is to provide architects and designers with the tools and systems they need to create inherently blast-enhanced environments without compromising design excellence. A comprehensive system of facades, partition walling, suspended ceilings and raised floors, with complementary products including waste bins is available which meets security best practice without detracting from aesthetic or functional performance and importantly without inspiring public fear or paranoia.

Usually these surfaces and materials carry huge potential of injury or even cause death by released splinters. The tested Lindner systems ensure that dangerous fragmentation does not occur.

Lindner Secure products are elegant, unobtrusive and effective, integrating seamlessly into architectural schemes of all scales to ensure safety is quite literally ‘designed in’.
ON THE RIGHT PATH – SMART WAYFINDING SOLUTIONS BY LINDNER

Orientation systems must establish a clear, understandable communication to travelers in order to ensure orientation in an optimum way. For this to be successfully achieved, modern way-finding systems include all aspects of writing, icons and arrows to render orientation to all non-locals as easy as possible. However, orientation systems not only have to be highly functional, their design has to be simultaneously appealing for visitors who do not know their way around, fit into the overall image of the environment and match the prevailing cultural identity.

In cooperation with our partners Billings Jackson Design and City ID, Lindner offers the implementation of all of the above-mentioned aspects. Billings Jackson Design is an architectural firm specializing in industrial design in the field of transport and urban infrastructure. City ID develops guidance systems and transport information solutions with a unique design to people movement and noteworthy places to unite. Together with these partners Lindner realizes high quality systems for orientation to comply with the highest standards of both design and function.

Depending on the location, whether in subway stations, airports or simply in an urban environment, our solutions cope with the prevailing influences such as wind loads, moisture or electrical protection with backlit signs. Through many years of experience on major infrastructure projects around the world, we offer a wide range of wayfinding systems - from simple signage to highly functional displays at airports with integrated cooling and ventilation elements.