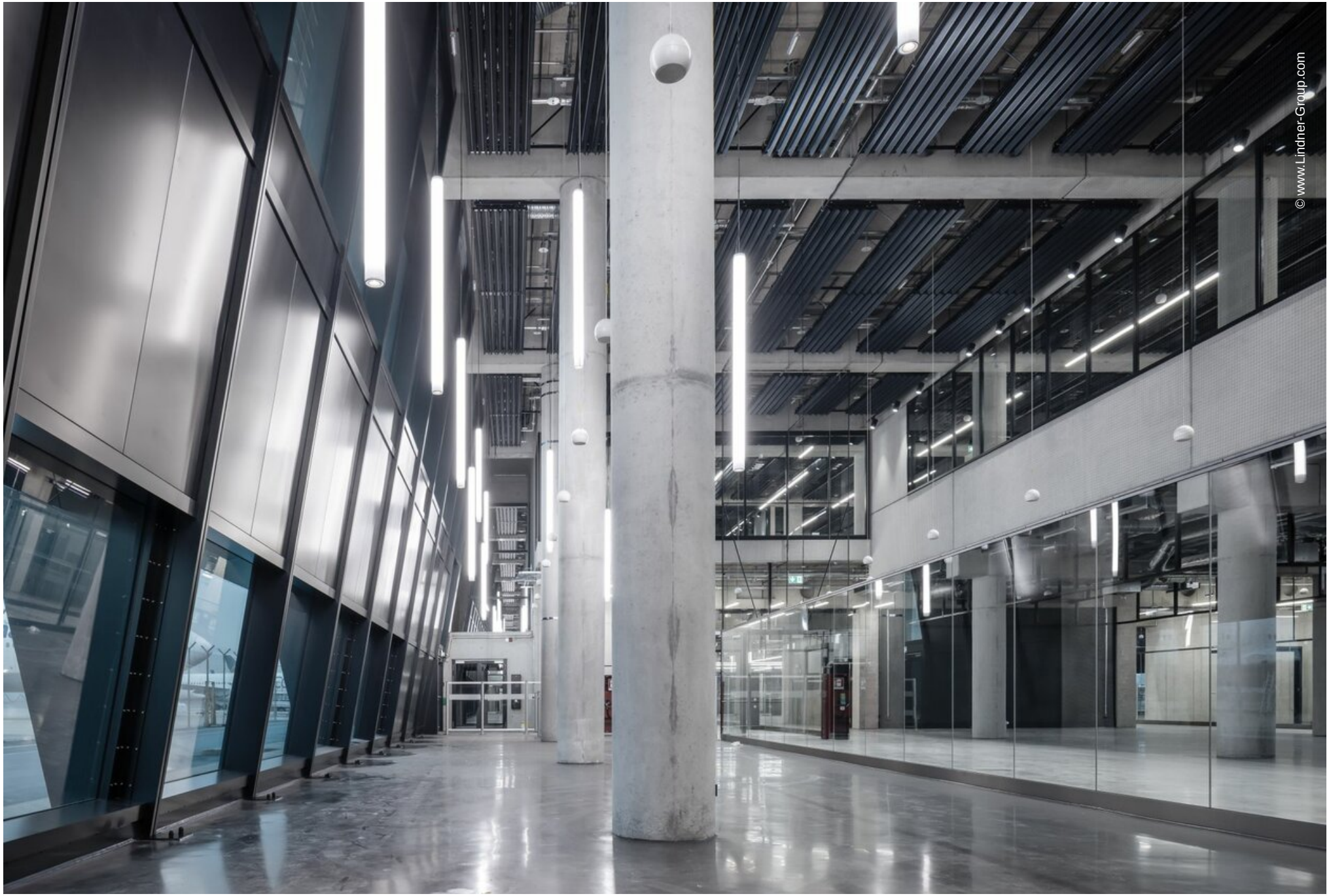
Airport Frankfurt – Pier G | Terminal 3 General Contracting Services in Airport Construction

Frankfurt, Germany

Lindner


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Project Description

With Terminal 3, Fraport AG is delivering one of the largest privately financed infrastructure projects in Europe at Frankfurt Airport. Covering a gross floor area of 403,000 m², the new terminal provides capacity for up to 19 million passengers per year. The first construction phase includes Piers G, H and J, the central check-in hall, the main terminal building and two new stations for the Sky Line railway.
Pier G is the first pier to be completed within Terminal 3. With a floor area of approximately 55,000 m², it comprises a head building with check-in areas, security screening and arrivals and departures zones. This is followed by a pier structure approximately 375 metres in length, accommodating boarding gates and passenger waiting areas.

General Contracting, Project Management and Integrated Planning

At Pier G, the Lindner Group demonstrated its expertise in comprehensive fit-out solutions. In addition, Lindner assumed 50 % of the joint venture (JV) scope and the role of general contractor. Alongside technical and commercial project management, this included planning and coordination as well as the supply and installation of all fit-out trades, in addition to façade, roofing and external works.
Given the scale of the project, the technical requirements and a short construction period of just 31 months, a closely coordinated project organisation was essential. By applying lean management methods and digital project control based on BIM, the fit-out works were delivered on schedule and to a high standard of quality.

Under the direction of the Interior Fit-Out Central-East division, several specialised units of the Lindner Group were involved in the project. These included Clean Room Technology and Object Design, the Heating and Cooling Technologies division, Lindner Montage + Service and LEX for construction materials and logistics. The scope of services was complemented by GiB mbH with fire protection engineering and building physics planning, as well as by Lindner Bautechnik GmbH as a subcontractor to the JV partner R+S.

System Solutions and Technical Fit-Out for Airport Operations

Pier G also incorporates numerous Lindner system products for floor and ceiling constructions manufactured in-house. To ensure execution quality, mock-up areas were established at an early stage, enabling fully fitted-out room scenarios to be assessed. The findings were incorporated directly into the ongoing planning process.

For the floor build-up in technical rooms, the FLOOR and more® dry hollow floor system was selected, enabling rapid installation and straightforward integration of technical infrastructure beneath the floor panels. In dry lining works, solutions such as the Click & Load installation grid and Lindner inspection doors with a fire resistance rating of I90 were installed.

A key technical feature of Pier G is the chilled ceiling system with Y-shaped baffles, developed specifically for this project. The suspended, hinged ceiling system integrates the building services installations and, in combination with Tektalan panels, allows access to individual elements for maintenance purposes. At the same time, the system meets stringent requirements in terms of cooling performance, acoustics and thermal insulation, while also complying with the specifications for seismic zone 1.
Lindner's comprehensive scope of services additionally included site installation and logistics, industrial screed works, dry lining works with RC requirements, screed and tiling works, scaffolding, plasterboard works

for ceilings, floors and walls, insulation and painting works, metal and joinery works, cleaning services, the installation of tea kitchens and the execution of external thermal insulation composite systems (ETICS).

As general contractor and full-service fit-out specialist, Lindner also delivered the connecting corridor between Pier G and the main terminal building.

General

Concept	General Contracting Services in Airport Construction
Building Type	Airports, Transportation Structures
Company Division	Lindner SE | Fit-Out Central.East Germany, Lindner SE | Heated and Chilled Ceilings, Lindner SE | Luminaires, Lindner SE | Partitions, Lindner SE | Floors, Interior Fit-Out and Furnishings
Completition	2019 - 2022
Client	Fraport AG, Frankfurt

Completed Works

- **General Contracting**

Implementation planning	
Building services insulation	
Construction site equipment	
Floor covering works	3000 sqm
Floor coating works	24000 sqm
Screed works	
Tiling works	
Scaffolding works	
Plasterboard ceiling systems	4000 sqm
Plasterboard partition systems	14000 sqm
Insulation Engineering	
Painting works	32500 sqm
Metalworks	
Plastering works	4000 sqm
Cleaning works	35000 sqm
Kitchenette	25 Pcs.
Carpentry	
Composite thermal insulation system	

- **Floors**

Calcium Sulphate Panels	
FLOOR and more®	1000 sqm

- **Ceilings**

Project-Related Solutions	1980 Pcs.

- **Doors**

Wooden doors	220 Pcs.
Sliding wooden doors	

- **Luminaires**

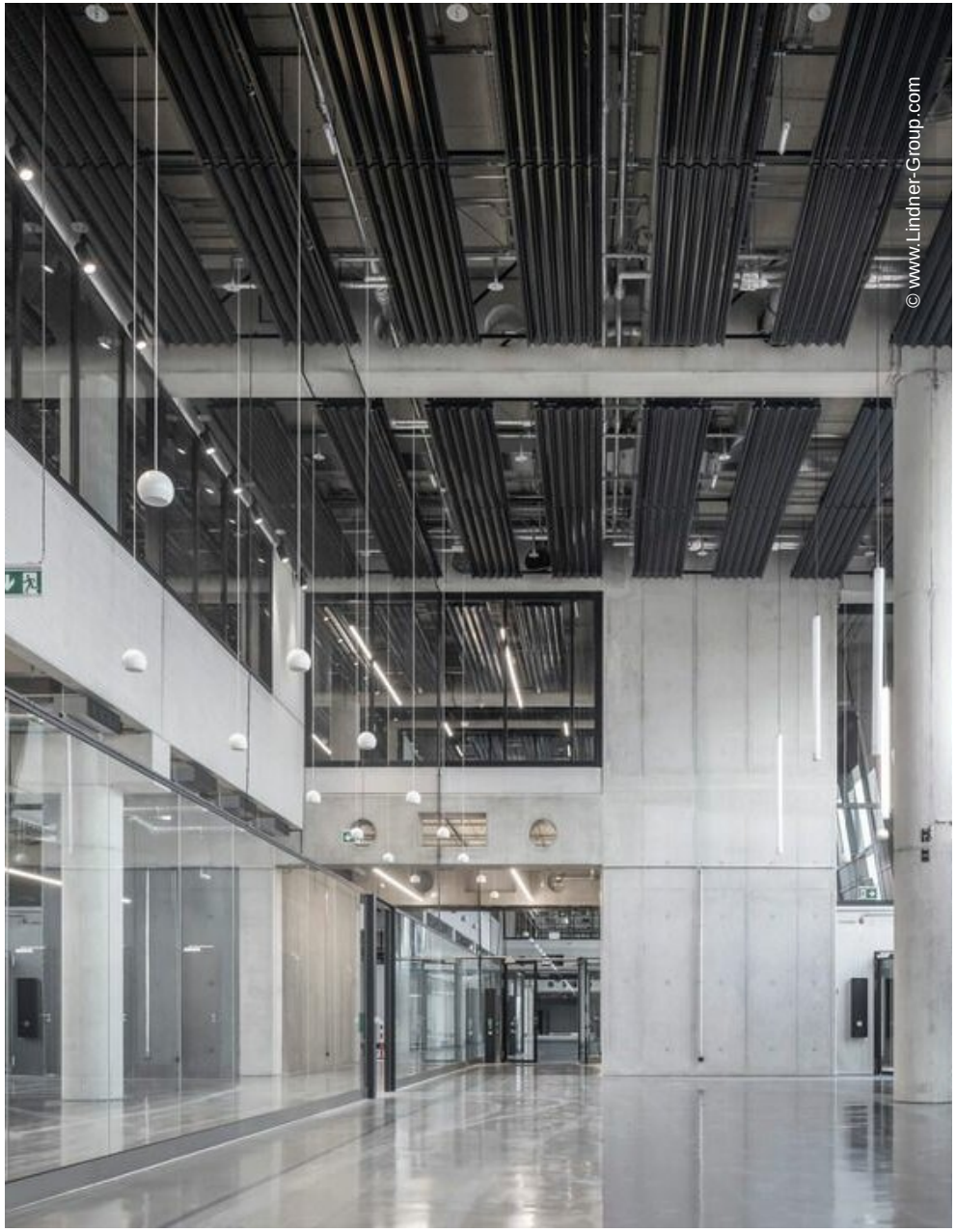
Custom luminaires

- **Facades**

Stick Curtain Wall System	5000 sqm

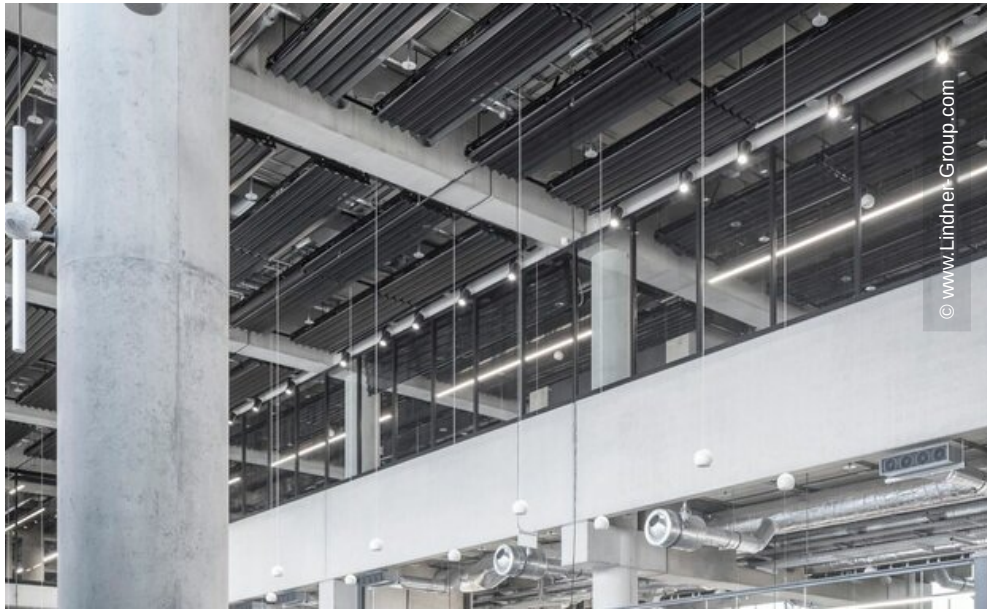
- **Dry lining**

Click & Load
Click & Load 200
Inspection Doors
FIREshield


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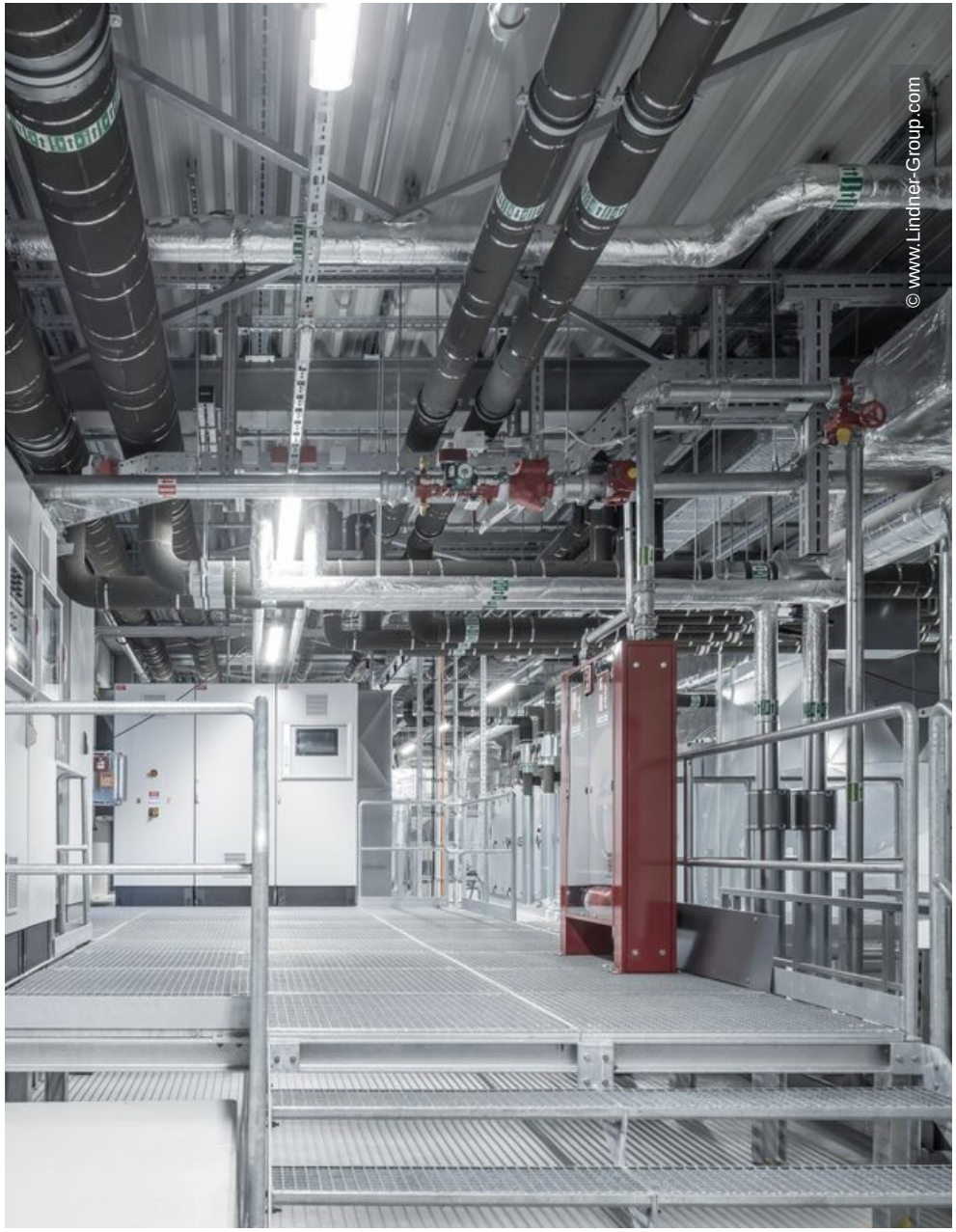

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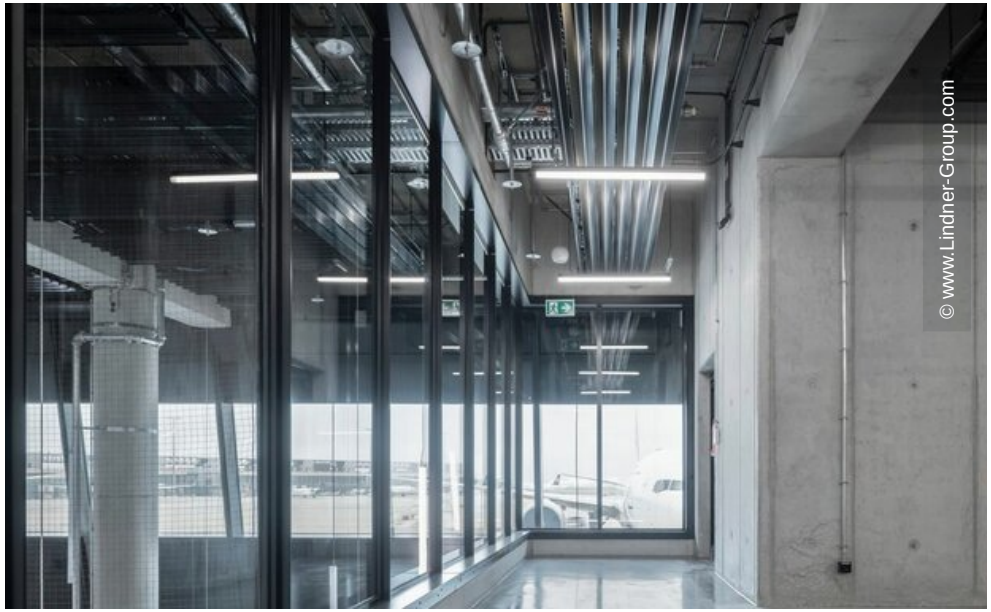

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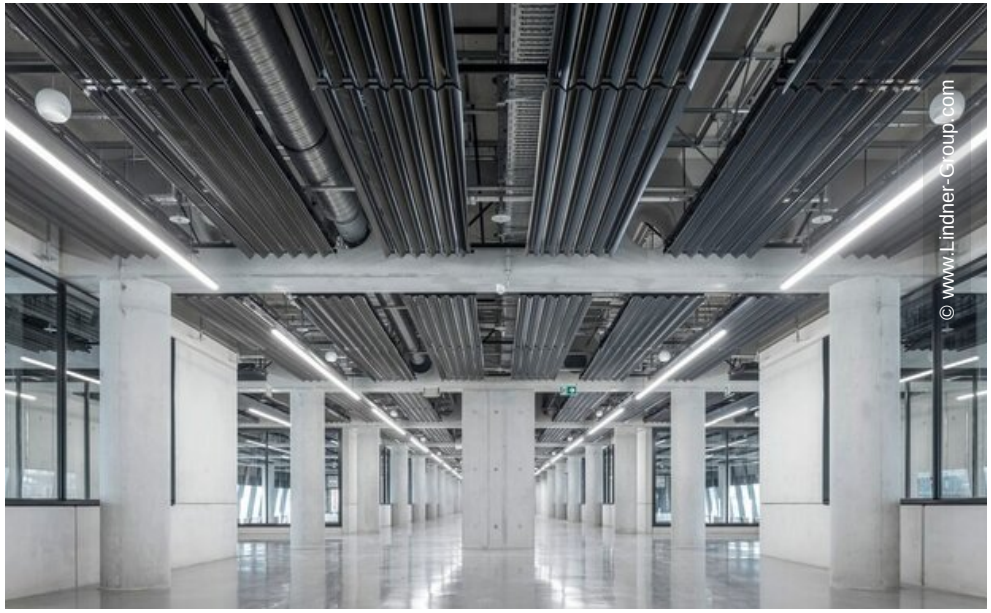

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