

## Munich Airport International Terminal 2

### Planning and realisation of central terminal with pier building at Munich Airport International

Client:

Flughafen München GmbH, represented by  
Flughafen München Baugesellschaft mbH

User:

Flughafen München GmbH / Deutsche Lufthansa

Start of planning 1999

Completion 2003

All architectural services phase 1-5

Passenger capacity annual 25 mio.

Gross floor area: 260.000 sq m

Volume: 2.100.000 m<sup>3</sup>

Building costs: ca. 1,5 billion €



## Munich Airport International Terminal 2

According an international design competition for architects K+P, Koch+Partner have been commissioned with the planning of the entire development in July 1998, which was taken into operation on 29 June 2003 after a planning and construction period of only four and a half years.

The development comprised a central terminal hall, a pier structure and a central parking block, besides a baggage sorting hall with apron tower on the apron east, as basis for the first satellite structure.

The new terminal building was erected on the east side of the existing passenger terminal in direct connection to the „Munich Airport Center“ (MAC), the geometric and visual focus of the entire airport. With its 30-metre-high central hall, Terminal 2 deviates from the modular concept of the existing Terminal 1. Located in this new hall on the side facing away from the airfield is the entire passenger-handling infrastructure, from ticket sales and check-in points to passenger and hand-luggage checks.

This brightly lit hall is characterised by transparency, and optimum conditions in terms of indoor climate and acoustics. The pier building provides in addition to gates and waiting areas, also shopping and gastronomic amenities. Ample dimensions and spatial clarity facilitates the passenger orientation as far as possible.



## Munich Airport International Terminal 2

### Project figures and facts:

**Location:** Terminalstrasse Mitte,  
D-85356 Munich Airport, Germany  
**Client:** Flughafen München GmbH, München  
**Phase 1-5** K+P Architekten und Stadtplaner GmbH  
Koch · Drohn · Schneider · Voigt  
Ismaninger Str. 57, D-81675 Munich,  
Germany

**Building costs** approx. 1,5 billion Euro  
incl. infrastructure  
**Building costs T2** approx. 800 Mio. Euro

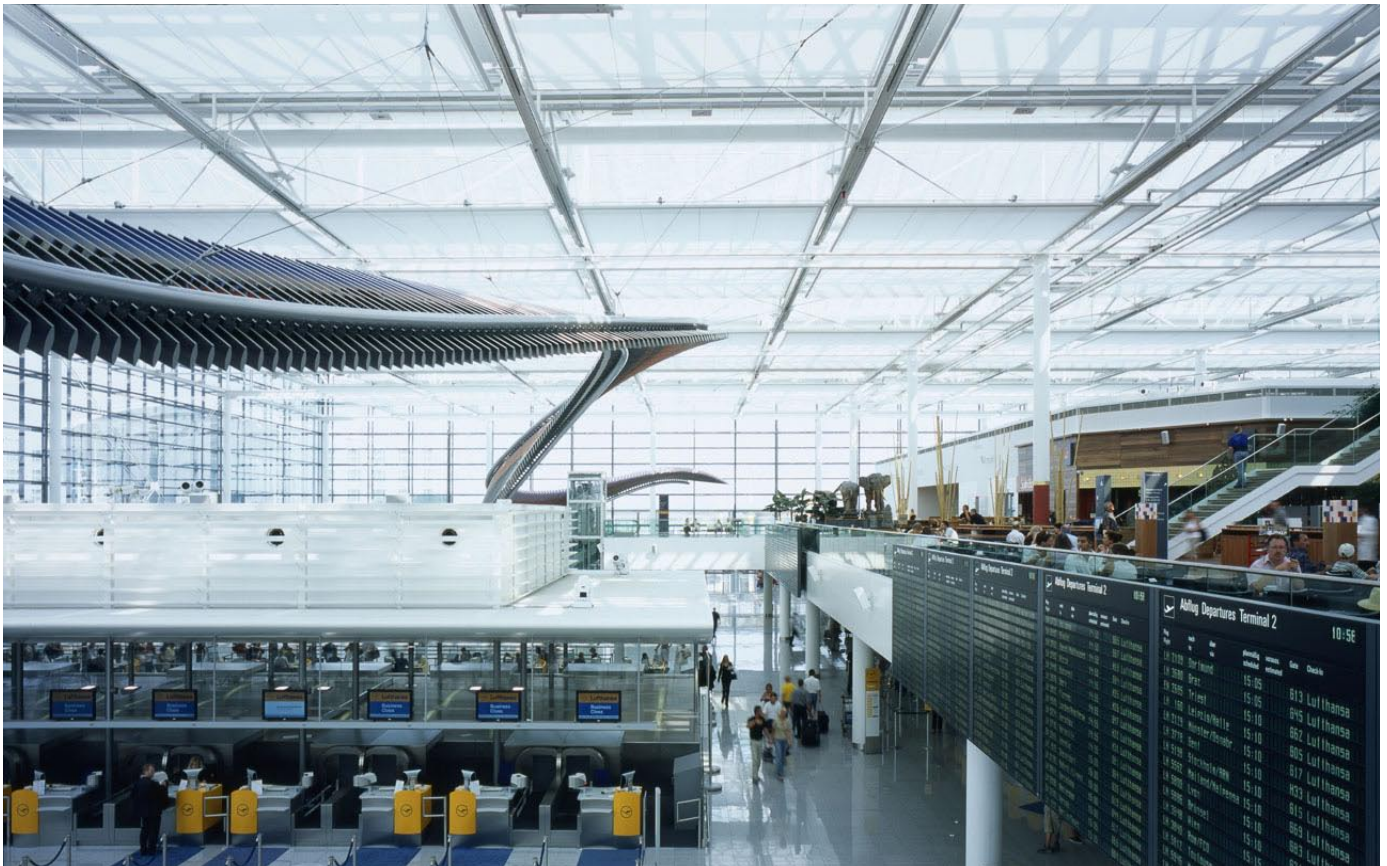
**Gross floor area** 260.000 sq m  
**Net main floor area** 164.000 sq m  
**Gross Volume** 2.100.000 m<sup>3</sup>  
**Central hall** 15.000 sq m  
**Waiting areas** 28.500 sq m  
**Baggage claim** 11.000 sq m  
**Lounge areas** 3.100 sq m  
**Shops** 10.000 sq m  
**Restaurants** 8.000 sq m  
**Central hall** | 170 m w 140 m h 30 m  
**Pier building** | 980 m w 30 m h 18 m

**Passenger capacity** 25 mio./year  
**Gates** 114  
**Minimum-connecting-time** 30 min  
**Aircraft stands** 75  
**Stands at building** 28  
**Stands on the apron** 47  
**Boarding bridges** 40  
**Check-in facilities** 124  
**Baggage claim carousels** 7  
**Total length of the carousels** 520 m  
**Baggage handling system** 40 km  
**Capacity baggage system** 25.000 items/hour

**Time schedule**  
**Start of planning** Dec. 1998  
**Start of preliminary site measures** Sep. 1999  
**Start of construction of terminal** Sep. 2000  
**Taken into service** 29 June 2003  
**Planning and construction period** 4 ½ years



## Munich Airport International Terminal 2



Flug	Woh	Zeit	Abflug	Wartung	Gate	Check-In
LH 5278	Kiev/Borispol	18:50	H35	Lufthansa		
LH 227	Frankfurt/Main	18:55	828	Lufthansa		
LH 1952	Bremen	18:55	611	Lufthansa		
LH 3506	Mailand/Malpensa	18:55	643	Lufthansa		
LH 578	Leipzig/Halle	19:00	625	Lufthansa		
LH 2040	Nürnberg	19:00	615	Lufthansa		
LH 3062	Oslo	19:00	604	Lufthansa		
LH 3776	Wien	19:00	667	Lufthansa		
LH 4060	Nizza	19:00	681	Lufthansa		
LH 5772	Bordeaux	19:00	684	Lufthansa		
LH 5882	Brüssel	19:00	837	Lufthansa		
LH 5914	Rotterdam	19:00	641	Lufthansa		
LH 856	Bresden	19:00	605	Lufthansa		
LH 4100	Paris/CDG	19:05	614	Lufthansa		
LH 5634	Florenz	19:05	640	Lufthansa		
LH 2193	Münster/Osnabr.	19:10	807	Lufthansa		
LH 3036	Stockholm/ARN	19:10	606	Lufthansa		
LH 3254	Prag	19:10	H33	Lufthansa		
LH 5194	Helisinki	19:10	832	Lufthansa		
LH 5218	Bölsboro	19:10	823	Lufthansa		
LH 5512	Bein	19:10	H24	Lufthansa		
LH 5396	Birmingham	19:10	H31	Lufthansa		
LH 960	Hannover	19:15	616	Lufthansa		
LH 1051	Köln/Bonn	19:15	620	Lufthansa		
LH 5342	Manchester	19:15	H09	Lufthansa		
LH 905	Berlin/Tegel	19:20	619	Lufthansa		
LH 3394	Istanbul	19:20	H22	Lufthansa		
LH 4266	Lissabon	19:20	626	Lufthansa		
LH 4278	Madrid	19:20	642	Lufthansa		
LH 5740	Marseille	19:20	603	Lufthansa		
EW 7587	Vernon	19:25	651	Lufthansa		
LH 3818	Ros/FCO	19:25	644	Lufthansa		
LH 3886	Turin	19:25	670	Lufthansa		
LH 4308	Barcelona	19:25	608	Lufthansa		



## Munich Airport International Terminal 2 - Food and beverage



## Munich Airport Intl. Terminal 2 - Baggage sorting hall, Satellite, Apron tower

The baggage sorting hall was erected to the east of Terminal 2 to ensure an adequate baggage-handling capacity in conjunction with a minimum connecting time between flights of 30 minutes. The baggage conveyor system covers a total area of roughly 51,000 sq m spread over four levels. These facilities are linked to Terminal 2 via a number of tunnels.

It is conceived as the initial phase of the next stage of development of the airport: the first satellite structure, which will be functionally linked with Terminal 2. Where appropriate, measures have been anticipated in the present building; e.g. the underground link for a passenger transport system.

As a means of controlling the two apron areas to the west and east of the future satellite, a 45-metre-high tower has been erected. This is spatially linked to the baggage sorting hall. The tower was designed to form an integral part of the future satellite. Its volume will be incorporated in the satellite storeys to be built above the baggage sorting hall.



### Project figures and facts:

<b>Gross floor area</b>	approx. 64.000 sq m
<b>Area baggage sys.</b>	approx. 51.000 sq m
<b>Gross Volume</b>	approx. 450.000 m <sup>3</sup>
<b>Building costs</b>	approx. 150 mio. Euro

<b>Apron tower</b>	
<b>Gross floor area</b>	approx. 1.100 sq m
<b>Gross Volume</b>	approx. 5.000 m <sup>3</sup>
<b>Building costs</b>	approx. 8,3 mio. Euro

### Time schedule

#### Start of preliminary site measures

May 2000

#### Start planning BSH

February 2001

#### Start planning tower

June 2002

#### Start of planning trial operation

March 2003

#### Completion

29 June 2003

