

Building the Future

Terminal 3



ENGLISH VERSION





Dear Reader,

With the construction of the new Terminal 3, Frankfurt Airport is realizing a long-term expansion project. We are convinced that air traffic will grow again in Germany, despite the corona pandemic and its consequences. After all, the crises of the past have taught us that.

That is why the new Terminal 3 constitutes a vital part of the future of Frankfurt Airport. Thanks to its modular design, the terminal's three construction phases can be realized closely to its actual capacity requirements. With state-of-the-art technology, customer-friendly processes and a high quality of stay, we keep our promise: "Gute Reise! We make it happen." Building Terminal 3 means building the future – for Frankfurt Airport and the Rhine-Main region. I invite you to learn more about this fascinating construction project on the following pages.

*Dr. Stefan Schulte
Chairman of the Executive Board Fraport AG*



A Past and Future Sage

A glance at the history of Terminal 3 so far reveals a whole string of milestones: an architectural competition, approval of the zoning plan, granting of the construction permit, a groundbreaking ceremony ... The ball began rolling in the late 1990s, when Fraport and the city of Frankfurt sat down together to talk about a possible expansion of the airport. Long-term projections had shown that passenger volumes were nearly certain to continue increasing. In 2000, after getting the go-ahead, Fraport's supervisory board approved an expansion project comprising the new Runway Northwest (which was inaugurated in 2011) and a new terminal.

A Site Steeped in History

Terminal 3 is taking shape in the south of Frankfurt Airport on an area formerly serving as an American military base. For 60 years starting in 1945, the "U.S. Rhein-Main Air Base" was a major strategic facility of the U.S. Air Force in Germany. During the 1948/49 Berlin Airlift in the Cold War era, so-called "candy bombers" took off from here to supply Berlin's blockaded population with much-needed goods. After the base's closure on September 30, 2005, the area was turned over to Fraport and integrated in the airport.

Architectural Competition

A total of 46 architectural firms from all across Europe submitted their ideas for the new terminal, which were then evaluated by an eight-member jury. A plan drawn up by the London-based Foster and Partners won the first round. It then served as the basis for the realization competition, in which Frankfurt architect Christoph Mäckler prevailed with a clean, forward-looking design.



Groundbreaking Ceremony

October 5, 2015 was a very special day for Fraport, which operates Frankfurt Airport. That was when, after years of intensive planning, evaluations and checks, the official starting gun went off for one of Europe's largest privately funded infrastructure projects: the first construction phase of Terminal 3. Fraport's management and a large crowd of employees attended the event, as well as invited guests from politics and business.

Laying of the Foundation Stone

Just as the dry excavation began with a ceremonial groundbreaking, the terminal's official construction kicked off with the laying of the foundation stone on April 29, 2019. Around 700 guests were invited.

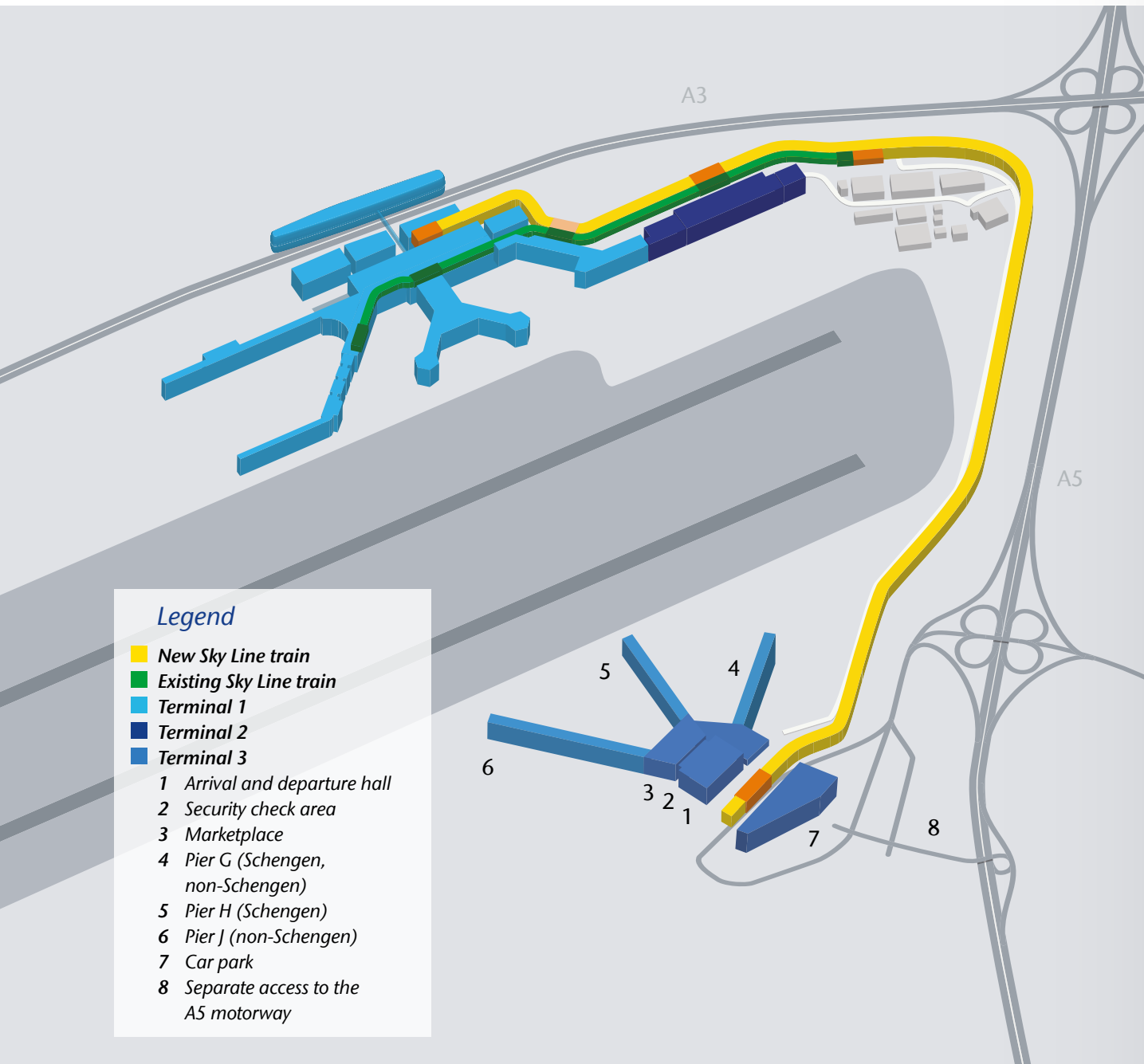


The New Terminal 3

Terminal 3 is taking shape in the south of Frankfurt Airport. Upon completion of its main building and the four piers G, H, J and K, it will have a handling capacity of up to 25 million passengers per year. Construction kicked off in 2015, initially focusing on the main terminal building with arrival and departure levels, a marketplace, lounges and an automated baggage handling system, as well as Piers H and J. Work on the first section of Pier G began in 2019.

Once the parts that are now under construction have been completed, Frankfurt Airport will be able to welcome an additional 19 million passengers per year. With an investment volume of around four billion euros, Terminal 3 is one of the largest privately financed infrastructure projects in Europe.





New Facilities in the South of the Airport: The First and Second Construction Phase

The terminal's design intends for construction to be carried out in three sections flexibly aligned to capacity requirements. In the first construction phase, the main building with arrival and departure levels as well as the marketplace, lounges and an automated baggage handling system will be built. In addition, the two piers H (Schengen) and J (Non-Schengen), with lengths of

400 and 600 meters respectively, will be built. The second construction phase will see Pier G realized as a fully-fledged and modern terminal building which will be integrated into Terminal 3. At a later date and depending on demand, this third pier can be expanded by about 200 meters.

Terminal 3 – Facts and Figures

- A footprint of **176,000 square meters**, roughly equivalent to 25 soccer fields.
- All upper and lower levels have a total area of **403,000 square meters**.
- Capacity for **19 million** arriving and departing passengers per year.

Piers in Comparison

Pier G	Pier H	Pier J
Initially a length of 400 meters	Length of 400 meters	Length of 600 meters
Appr. 34,000 square meters of ground area (incl. the expanded main building)	Appr. 16,000 square meters of ground area	Appr. 27,000 square meters of ground area
Initially 9 aircraft stands close to the Pier	Initially 10 adjacent docking positions	14 adjacent docking positions
2 levels	2 levels	3 levels
Schengen and non-Schengen passengers	Schengen passengers	Non-Schengen passengers



Adaptable to the Future

Thanks to the modular and flexible architecture, Fraport can realize the new terminal according to actual capacity requirements. Construction work on Pier G is already well advanced. This gives Fraport the flexibility to put it into operation earlier, if necessary, while the much more complex main terminal building with piers H and J is still under construction.



A Modern, Clearly Structured Architecture

The involved planners and architects wanted to give Terminal 3 a modern design with a feel-good ambiance. The main building features a unique three-level layout. Generously dimensioned halls and daylight-flooded areas evoke a feeling of expansiveness. Floor-to-ceiling plate-glass windows let passengers watch the fascinating action out on the airfield.

Terminal 3, with its clear structure and intuitive way-finding, makes it easy for passengers to head straight to wherever they want or need to go. A wide variety of services also contributes to ensuring a pleasant stay. Here too, the airport's operator Fraport consistently lives up to its motto: "Gute Reise! We make it happen."



Relaxed Arrival and Departure

A range of new ideas and technical innovations permits passengers to experience the effortlessness of flight even before taking off. An example is circadian lighting control, which enhances their wellbeing by emulating the changing angle and intensity of actual daylight within the terminal building. This also diminishes the jetlag experienced by intercontinental travelers. Other technologies that are now being tested in the existing terminals will be integrated in Terminal 3 from the start. They include intelligent luggage drop-off systems and faster, more efficient security and digital border checks that shorten waiting times with state-of-the-art technology.

Fraport is making every effort to ensure that the time travelers spend in Terminal 3 is as pleasant as possible.

All areas used by passengers are intelligently designed. Getting around within the building as well as to and from aircraft is facilitated by escalators, moving ramps and elevators. After checking in, it is easy and straightforward for travelers to proceed straight to their departure gate without changing levels.

From luggage drop-off to security and passport checks to the many carousels in the baggage claim, advanced technology ensures that all processes at the airport tightly mesh. Passengers using the new terminal therefore have a positive travel experience, whether they are departing, arriving or changing planes in Frankfurt.



Shop, Rest, Have Fun ...

Whether it's a family visit, business trip, or vacation start – passengers can look forward to a relaxed and stress-free time at Terminal 3. Its modern design and wide range of services let them enjoy themselves every step of the way.

A uniquely comfortable ambience awaits passengers in the main terminal building. In the spacious marketplace at its core, excellent restaurants, bistros and boutiques invite them to take a seat and stay a while. The diverse range meets international standards of quality and includes something for every taste. The area's futuristic design also makes it a genuine eye-catcher.



An Oasis of Peace

Many services offer space for relaxation: In Silent Chairs, travelers can lean back in total relaxation, shielded from background noise.

In the comfortable and spacious lounge areas, passengers can enjoy their time before departure with excellent service and a clear view of the apron.

In addition to a wide variety of shopping and dining options, travelers and their children can take advantage of many other activities. Kids can have fun in one of several play areas. Business travelers can spend layovers getting work done at a workbench. Thanks to these possibilities and many others, boredom is never an option in Terminal 3.



Excellently connected

Travelers can easily reach Terminal 3 by car, bus or taxi via the extended Zeppelinhof interchange from the A5 motorway and conveniently stop to unload right in front of the check-in hall or park directly across from it. They can also easily get there via a new Sky Line train that carries them to and from the regional and long-distance train stations at Terminal 1 with a brief stop at Terminal 2.



Extension of the Zeppelinhof Motorway Junction

Frankfurt Airport's new terminal is optimally linked to the existing motorway network. Drivers enjoy direct access from the A5 motorway via the extended Zeppelinhof junction. New service roads also connect the terminal to the airport's existing facilities.

Arriving by Car, Taxi or Bus

A next-generation parking guidance and information system reliably guides passengers arriving in their own cars to one of many parking spaces. A parking structure with 8,500 spaces is just a short walk from the terminal building, so passengers can quickly begin their journeys.

From Terminal to Terminal

Passengers can also very quickly reach Terminal 3 using public transportation. To enable this, the existing Sky Line train is being supplemented by a new system that lets passengers arriving or leaving via the regional or long-distance train station speedily get between Terminals 1 and 3 via Terminal 2.

The trip between Terminals 1 and 3 on the Sky Line train takes only eight minutes. This new system is important for ensuring that transferring passengers can reach their connecting flights within 45 minutes, which is essential when flights are scheduled closely together.

At Frankfurt Airport, travelers can always get where they need to go quickly and without stress, whether they come by car or use public transportation. This includes rapid transfers between terminals. The new Terminal 3 really has been designed to live up to Fraport's slogan, "Gute Reise! We make it happen."



Sustainable for the Future

Sustainability was a top priority when drawing up the plans for Terminal 3, as it was intended to help Fraport AG meet its climate protection targets. These include slashing the company's own CO₂ emissions to 80,000 tonnes per year by 2030 – down 65 % from the level of 1990. Terminal 3 will contribute to achieving this aim. It has been designed to minimize energy use, and will only consume half as much as Terminals 1 and 2. Among other things, a highly thermally insulated building envelope, needs-based sun protection, optimized use of

daylight, efficient heat recovery and the widespread use of LEDs will guarantee the terminal is operated sustainably. An efficient displacement ventilation system will ensure fresh air from check-in all the way to the gates. The roofs of the buildings and new multi-storey car park will be covered with innovative, large-scale photovoltaic systems to generate part of the terminal's energy requirement directly on site using solar energy. Terminal 3 will also use a comprehensive double-pipe system for the sustainable reuse of water.



The Fascination of a Large Construction Site

With the construction of Terminal 3, Fraport is making a major investment to position Frankfurt Airport as Germany's gateway to the world for the future. In doing so, the airport operator is drawing both on its own experience implementing infrastructure projects and on regional expertise. Well over 500 individual contracts are being awarded for the project, most of them to local construction companies. This is giving a boost to the regional economy while creating an important new landmark for Frankfurt Airport and the entire Rhine-Main Region.

The work to build the new terminal at Germany's largest airport sets new records: a construction pit with an expanse of 65,900 square meters, up to 4,000 construction workers, and a roof the size of two and a half soccer fields that will be pushed onto the building in a single piece. A long list of construction experts including architects and planners as well as underwater divers and climbing specialists is needed to finalize this incredibly complex undertaking. Every effort is also being made to avoid harming the environment.

You can track the progress of the construction project and learn many fascinating details about it at www.terminal3.info/en.

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