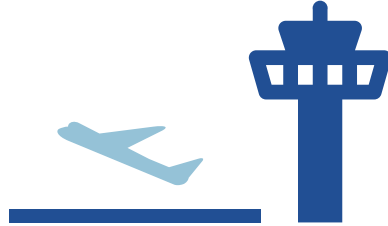


Airports



Extensive experience

in airports

FCC Construcción has executed numerous airport projects of great complexity such as the T-1 Passenger Terminal for the Prat airport in Barcelona, the terminal building and parking for Palma de Mallorca, the third runway for Madrid Barajas, and the new Terminal building for T4 Madrid - Barajas, airport which was awarded with the Alcantara Bridge Prize amongst multiple other international awards.

Internationally, **FCC Construcción** built the tallest control tower in Latin America, El Dorado (Colombia). FCC extended the airport in Riga, Latvia, and has built runways in Romania and Ireland.

FCC Construcción has developed terminal buildings, towers and control centres, runways, parking facilities, and airport services. In total, FCC has built more than 4.5 million square meters of airport runways and 2.2 million square meters of airport terminals.



Dublin

International Airport

FCC designed and built the new 3,110 meters long “North Runway”, located north of the airport, parallel to the existing main runway.

The project’s main objective is to decongest the main runway whilst also increasing the overall airport capacity and frequency of flights.



Bogota, Colombia

Control Tower and Aviation
Management Centre in

“El Dorado”

International
Airport

“El Dorado” handles the largest volume of cargo of any Latin American airport and the third highest movement of people.

The new control tower, at 80 meters tall, satisfies the necessary requirements for Air Traffic Control at the airport. In addition, it maximises operational capacity of the aerodrome, updating the technology to the global vanguard of air traffic control. It is the largest control tower in Latin America. The management centre sits independently and is linked to four inter-connected buildings.



Bacau, Romania

Bacau Airport

The project includes the demolition and rebuild of the existing 2,500 meters long by 45 meters wide runway. The works include rehabilitation of the circulation areas, the extension of the boarding and landing platform as well as construction of the airport security perimeter road.

This new infrastructure will provide increased capacity, making it possible to accommodate more take-offs and landings at the airport.



Riga, Latvia

Riga International Airport

Riga International Airport is one of the three most important airports in Latvia. The works consisted of reconstruction of the runways as well as reinforcement of the side strips to improve runway safety.

The project included the construction of two operating areas to increase capacity and the renovation of two supply areas.



Algiers, Algeria

New control tower
Algiers
Airport

FCC constructed the new control tower at Houari Boumediene airport in Algiers. With a 12 million annual passenger movements Algiers is one of the largest airports in Africa in terms of passenger capacity.



Barcelona, Spain

“El Prat”

International Airport Barcelona

FCC has constructed the new terminal, T1 at the EL-Prat international airport. The works also included increasing the number of boarding gates for regional flights, construction of a new retail area in terminal B, along with enlarging the apron for airplane parking capacity.

The new terminal has: 166 check-in counters, 101 boarding gates, 50 jet bridges, 15 luggage belts, 12,000 car parking spaces, and over 20,000 square meters of retail space. With this new terminal the airport is now capable of handling up to 55 million passengers per year and can accommodate 90 take-off and landing operations per hour.



Madrid, Spain

Adolfo Suárez **Madrid-Barajas** International Airport

At more than half a million square meters, the terminal building is one of the largest in Europe.

Some of the standout features include; the 150,000 square meters corrugated steel roof; a glazed, curtain walling façade that envelops the building; and vast spaces that allow natural light to penetrate to the lower levels of the building. Special mention should also be given to the monumental bamboo ceiling which brings warmth to the space and the 550 skylights which attract natural daylight enabling a reduction in energy consumption.

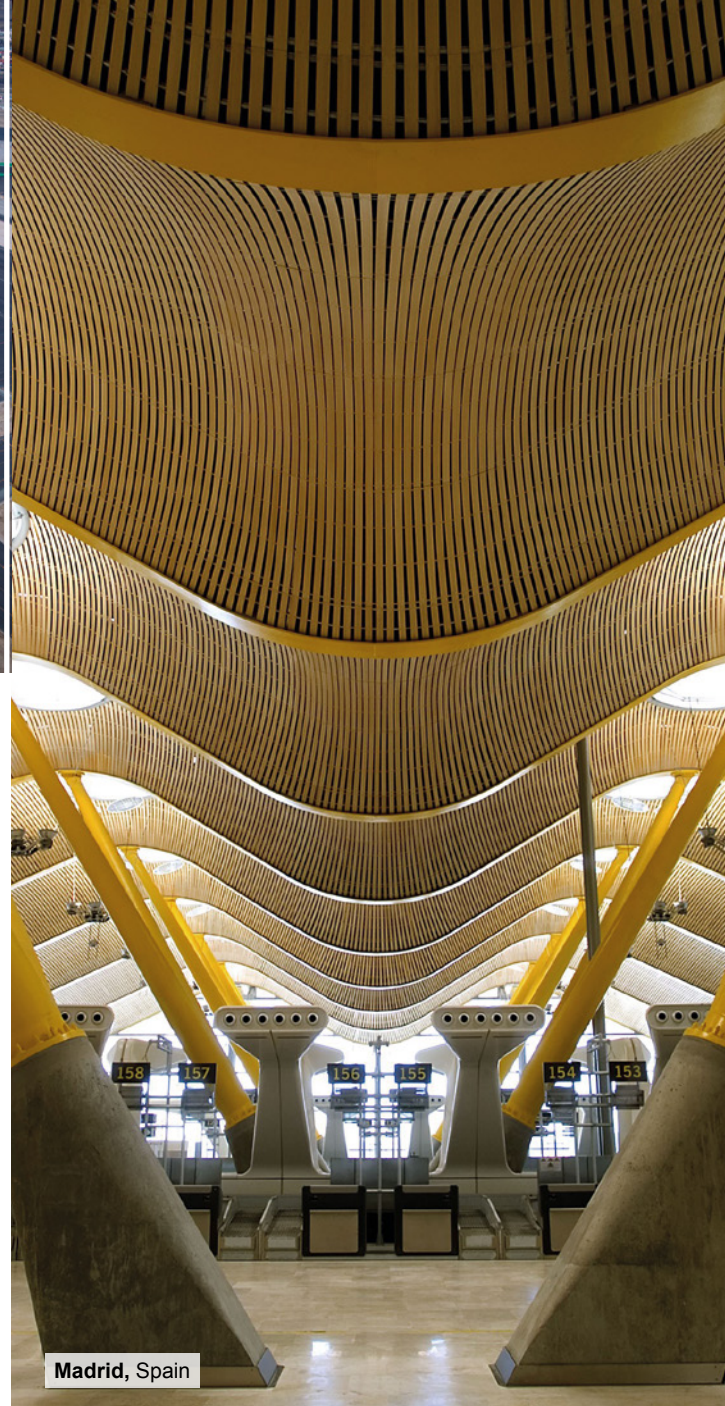


Madrid, Spain

The terminal building is connected to the Satellite building by a three kilometre long airport service tunnel. There is a 9,000 vehicle parking lot divided into six sections. These are covered by a 56,500 square meters planted roof, making it the largest continuous planted roof in Europe.

In Addition to these facilities FCC constructed:

- A new 18R – 36L runway and a taxiway totalling 4,450 meters in length.
- Platform; Satellite terminal Building remote.
- Aircraft engine test platforms built on 20 meters high screens.
- Access platform on the air side of the airport which includes; security systems, ventilation, lighting and two emergency exits.
- Luggage tunnel construction to terminal 1 and connection of the F5 battery.



Madrid, Spain



Mallorca, Spain

Palma de **Mallorca** Airport

The new terminal building construction includes; retail space, equipment and airport access routes. FCC also built a new departure lounge for inter-island flights, with new gangways and the runway 06R - 24L, as well as the new airport services building and parking lot.



Santiago de Chile, Chile

Arturo Merino Benítez Airport

The new terminal building and control tower include; four departure lounges and 25 new check-in desks.

The airport expansion, increases capacity for air traffic, making it possible to accommodate more frequent take-off and landing operations.



Castellón, Spain

Castellón Airport

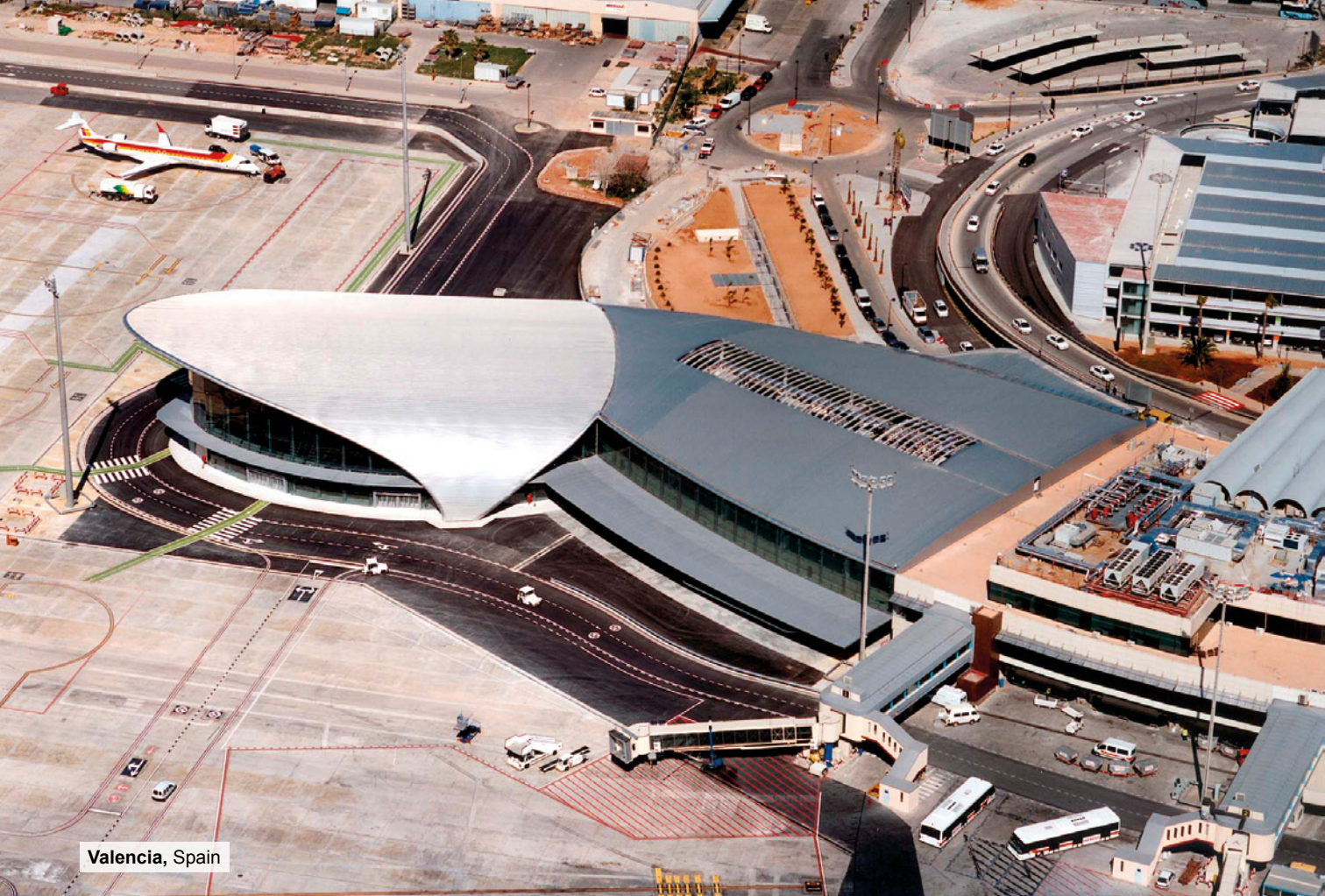
Construction of a new passenger terminal and two 700 meters long and 45 meters wide, runways.



Tenerife, Spain

Tenerife Sur Airport

The departures terminal was extended. The works included an architectural centrepiece; timber decked walkway connection between the old and new buildings.



Valencia, Spain

Valencia Airport

FCC Construcción built the new terminal for regional flights as well as a new annex building for fire and rescue.



La Rioja, Spain

Logroño Airport

Construction of a new passenger terminal with the objective to increase capacity for new commercial flight destinations.



Albacete, Spain

Albacete Airport

Albacete Airport involved the construction of a passenger terminal to enable conversion into a civilian airport. A multiservice building was completed to include; a car park and access roads as well as interior roads.



Las Palmas, Spain

Las Palmas Airport

The terminal building extension included a 42,000 square meters increase in floor space as well as a new check-in terminal with 18 counters, a security control with two double filters, a retail area, and a departure lounge with six new boarding doors.

Additionally the apron was extended to increase aircraft parking capacity.



Jerez de la Frontera, Spain

Jerez de la Frontera Airport

FCC completed construction of the new terminal building at Jerez de la Frontera Airport. An airport rescue and fire building was also constructed along with the new, modern passenger terminal. The works included; car parks and new accesses, among other improvements.



La Coruña, Spain

“La Coruña” Airport

With an area of 18,300 square meters, the new construction has allowed the air traffic take-off and landing capacity to double.



Barcelona, Spain

Air traffic control centre in Gava

The new control centre meets the objective of controlling an area of 300,000 square kilometers. This infrastructure provides service to all the planes that take off and land in Barcelona, Valencia, Balearic Islands, Albacete, Alicante, Girona - Costa Brava, Murcia - San Javier, Reus and Sabadell.

It consists of two auxiliary buildings, a communications tower and a central building.



Malaga, Spain

Malaga

Airport

Control tower

The new control tower is 65 meters tall and houses a 70 square meters control cabin that allows the management of the two runways.



Lanzarote, Spain

Lanzarote

Airport

Control tower

The tower is 35 meters tall, allowing complete oversight of all landing and take-off from the airport.



Alicante, Spain

Alicante Airport

The project included the expansion of the concourse and a runway extension. It included 14 new airplane docks and construction of a 158 meters false tunnel.



Murcia, Spain

San Javier Airport

The aim of the project was to improve the adequacy of the airfield. This included; renovating the runway and the taxiway.



Asturias, Spain

Asturias Airport

The project involved construction of the taxiway which connects the 900 meters by 23 meters runway to header 11 at Asturias airport.

Tenerife Sur and Fuerteventura

Airports

Expansion of the apron, runway and improvement of the airfield of both airports.

The Tenerife Sur apron was extended by 400 meters. In the Fuerteventura Airport the new, tarmac runway was built at 2,400 meters long and 45 meters wide.



Fuerteventura, Spain



Barcelona, Spain

Training center of the air traffic control center in Gava

Construction of the new training and simulation centre and contingencies in the new Gava air traffic control centre.

WE ARE FCC



More than 1,000 kilometers of tunnels



More than 10,000 kilometers of highways



More than 3,500 kilometers of railways (1,500 kilometers of high speed and 450 kilometers of metro)



More than 5,500,000 square meters of airport runways



More than 2,500,000 square meters of airport terminals



60 kilometers of dykes and 50 kilometers of docks



130,000 homes built
More than 40 million square meters of non-residential building



More than 3,000 kilometers of gas and oil pipelines



More than 20,000 kilometers of water pipe



More than 110 water treatment plants



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