



# Geneva Airport, Aile Est

Geneva, Switzerland

**Both in its aesthetics - the fruit of the imagination of architect Graham Stirk and the RSHP team – and the technical prowess of its execution, the East Wing becomes the new emblem of Geneva airport. It is also a symbol of the sustainable airport of tomorrow**

Corine Moinat  
President of the Board of Directors, Geneva Airport



**Place**  
Geneva, Switzerland

**Date**  
2011 -2021

**Client**  
Genève Aéroport

**Cost for Aile Est sector**  
610m CHF

**Total Area**  
40,000m<sup>2</sup>

**Design: RBI-T**  
RSHP (Architect)

Atelier d'architecture  
Jacques Bugna (Co-  
Architect)

Ingérop (Structural and  
Services Engineer)

T-Ingénierie SA (Structural  
Engineer)

**Lighting Consultant**  
Speirs Major

**Wayfinding Consultant**  
Mijksenaar

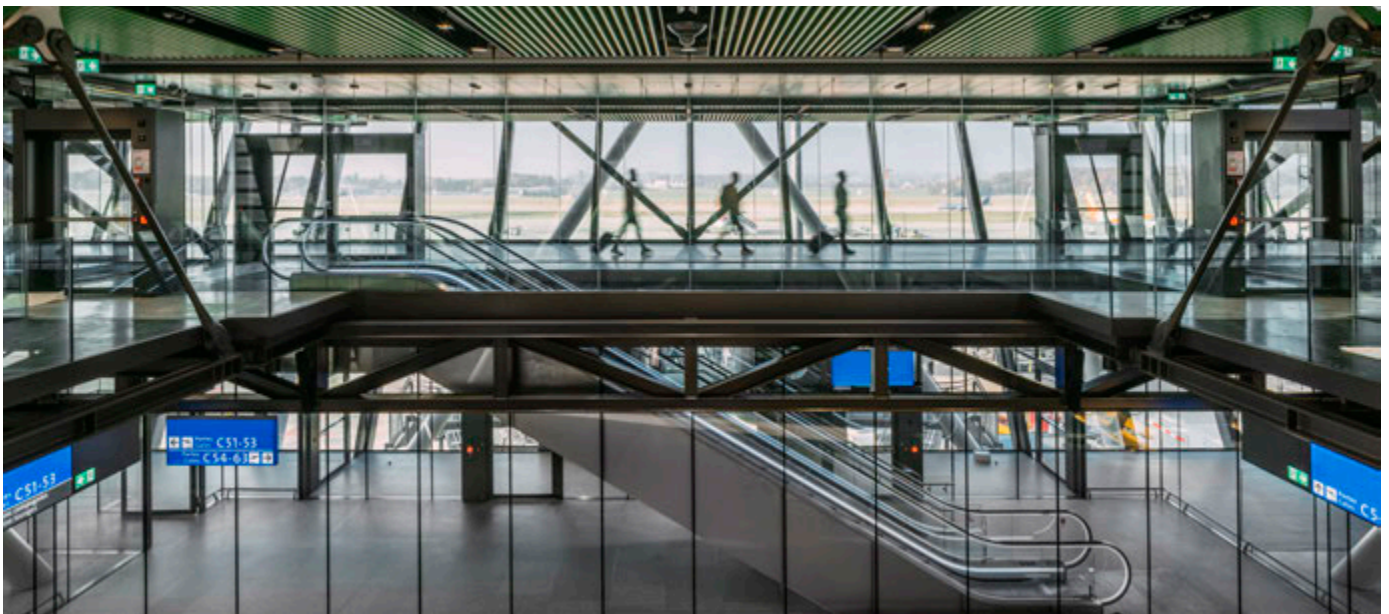
**Acoustic & Public  
Address Consultant**  
Bien Entendu

Architecture & Acoustique

**Facade Consultant**  
Arcora

**Fire Consultant**  
Swiss Safety Center  
Exova & Warringtonfire

**Passenger Facilitation  
Consultant**  
Jacobs (CH2M)



A key component of the long-term vision of Genève Aéroport, the project replaces the existing "Wide-body Aircraft" facility built for temporary use in 1975 and whose standards, in terms of thermal and energy performances as well as passenger well-being, no longer correspond to today's requirements and expectations.

The Aile Est (East Wing) renews the airport campus: it embodies the airport's sustainable development ambitions and meets the needs of both passengers and airlines. The energy-efficient glass and steel building across two main levels is 520 m long. The East Wing can accommodate 3,000 passengers per hour on departure and 2,800 on arrival. It serves 6 existing aircraft contact stands, including 4 MARS stands as well as remote stands.

The East Wing is a model of sustainability and energy efficiency. This project illustrates how passive design, onsite renewables, efficient active systems, responsible water consumption, a focus on well-being and "Whole Life Carbon" can jointly deliver sustainable airport design.

The building meets the multiple physical and aeronautical constraints of the site: its inclined facades respond to imposed setbacks and protect against direct solar radiation on the apron side, its raised design accommodates the service road below. The circulation and technical cores every 80 m emphasize the clarity of the diagram expressing served and servant spaces. The East Wing is designed to be an energy-positive building. It benefits amongst other features from 7,020 m<sup>2</sup> of photovoltaic panels on the roof, 110 geothermal piles, high-performance glass facades as well as LED lighting.

The East Wing possesses breathtaking clarity of intent: a singular straight line that transports the passenger and underlines the mountains beyond. Primary structure and energy-efficient technologies are celebrated, orchestrated into a simple bold statement. Each engineering component is finely crafted, not unlike that of a beautiful Swiss watch. These elementary pieces are given further emphasis by a spectrum of colours that provides clarity as well as a joyful and memorable experience for all travellers.