

TRACTEBEL

ENGIE

Airports



Bringing innovation and expertise to the Aviation Sector

Tractebel's broad expertise and innovation make the development of new airport projects more resilient.

Our global capabilities put forward cost efficient, carbon neutral, sustainable engineering designs to airport structures taking into account current demands while anticipating future needs.

Our approach

An integrated, multidisciplinary and energy-efficient approach throughout the complete lifecycle of airport planning, design and construction. We are specialised in structural engineering and special technics (MEP), as well as HVAC, plumbing and electricity.

Client benefits

Diverse capabilities

Tractebel provides the necessary in-house technical skills required to deliver a modern airport project, from civil engineers, master-planners, transport specialists, electrical engineers, geotechnical experts to HVAC engineers.

Resilient solutions

We have a long track record of working with critical systems in diverse industries including required skills to deliver projects with the necessary back-up, alarms and change-over systems providing impressive levels of resilience to all aspects of modern airport structures.

Our added value

We deliver whole-life technical support services from feasibility studies to master-planning, modelling, design and project management through handover and post-project operational support. Initial detailed modelling will provide the optimum solutions for Capex and operational costs.



We put forward cost efficient, carbon neutral, sustainable engineering designs to airport structures making them more resilient to future needs.



SOME REFERENCES AVIATION SECTOR

Brussels Airport -Link Building

Objective

Construction of a new building linking the terminal to Pier A above ground

Solutions

Tractebel was responsible for the complete engineering assignment including civil, structural, mechanical and electrical services including the coordination of connections to specialist equipment.

Results

The building is 200 m long by 50 m wide, covering a total surface of 32,850 m² which includes the apron level and two floors, and with Investment cost 71 million euros

Brussels Airport - Infrastructure

Objective

Construction of a new vehicle tunnel underneath taxiways Inner and Outer 2, with a total length of 165 m.

Solutions

Tractebel was responsible for the engineering design and project management of the civil and electrical engineering works including for modification of the below-ground drainage systems

Results

Concrete Pavements for aircraft platforms with an area of 625.500 m² -Asphalt pavements: taxiways, service drives, car parks with an area of 804.500 m² - Sewers and collectors with diameters from 400mm to 2,800 mm - Drainage and sewerage and de-icing zones with an area of 52.300 - Emergency generation stations for high and low voltage supplies with alarm notification

Charles de Gaulle Airport - Paris

Objective

Construction of a new S3 terminal at Charles de Gaulle Airport due to sustained increase in passenger traffic

Solutions

Tractebel carried out the detailed structural design for the steel construction of the new extension

Results

The Satellite S3 terminal at Charles de Gaulle Airport is an extension of the terminal used for international flights (E2) and that for flights within the Schengen Area (2F). The building design is unique as it needs to handle arrival and departure passenger traffic flows at the same time whilst keeping them completely separate.