



PRESS RELEASE

10 August 2016

Sustainable Development

The International Pier of the South Terminal at Paris-Orly obtains HQE® Excellent level certification awarded by Certivéa

Inaugurated in April of 2016, the International Pier of the South Terminal has just obtained NF Bâtiments Tertiaires - Démarche HQE® high environmental quality certification with a level of Excellent, issued by Certivéa. Designed by the Groupe ADP engineering teams, the new 12,000 sqm airport structure implements innovative solutions that incorporate the ambitious goals of Groupe ADP's 2016-2020 environmental and energy policy.

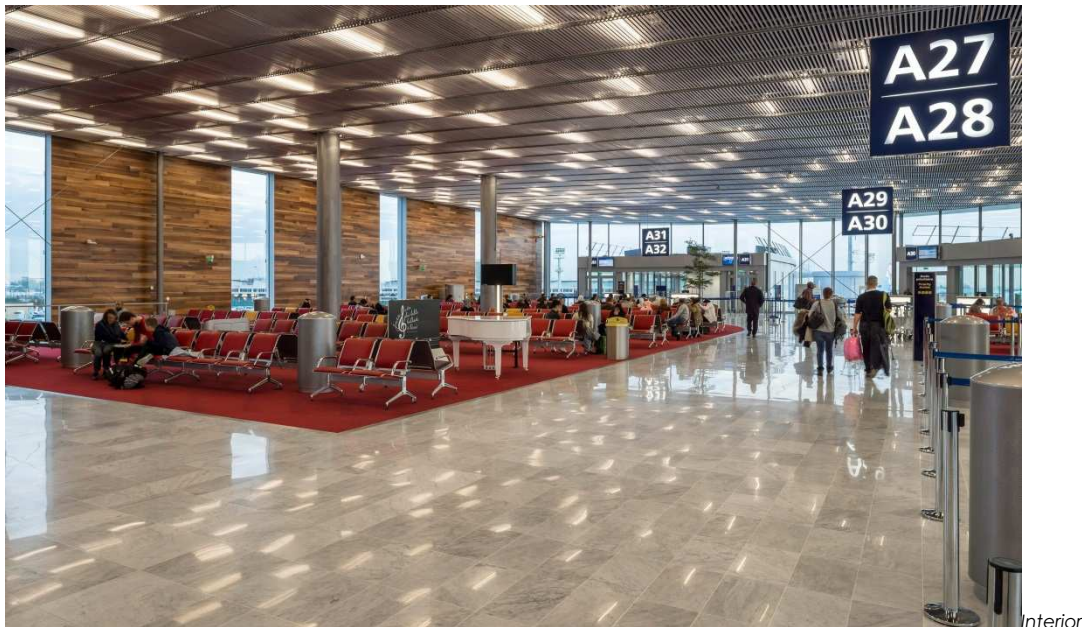
The building boasts a forecast for energy consumption that is 16% lower than the requirements of the 2012 thermal regulations; the technical and architectural strategies implemented enable a cut in **CO₂ emissions of about 60% compared with** the average for the terminal buildings. This success is built on the following factors:

- ◆ **The performance of the building envelope** was improved to take advantage of natural light while limiting heating and cooling needs. The building's design and roof insulation provide a high-quality airtightness. Over-insulated on the outside, the opaque surfaces of the façades limit heat losses. The glass surfaces minimise incoming solar energy and thus limit cooling needs. These techniques have allowed bioclimatic needs **to be reduced by 12%**, with respect to the regulations;
- ◆ **The indoor climate control systems** were selected with a view to saving energy while providing optimal comfort for travellers.

In the boarding lounge, the heated floor combines good energy performance with well-being. The air-conditioning towers cool the air by moving it at low speeds.

In the disembarkation walkway, the reversible radiant ceilings provide cooling or heating as needed. These systems are combined with area-specific climate control based on occupancy. The air handling units feeding the towers and the radiant ceilings operate as much as possible in "free cooling" mode: the temperature of the outside air can be used directly, without prior cooling, up to 20°C outside. This concept saves about 3,000 hours of air conditioning per year. All of this equipment is connected to Orly Airport's heat and chilled water networks and is, therefore, 100% compatible with geothermal energy.

The large windows of the south-east façade, open to natural light, limit the need for artificial lighting, and **daylight autonomy reaches 70% on average, between 8 a.m. and 6 p.m.** In addition, lighting is regulated by **DALI technology** (Digital Addressable Lighting Interface), which enables flexible management based on the amount of outside light.



view of the international pier at the South Terminal, Paris-Orly ©Groupe ADP - Alain Leduc

The International Pier is also a model in other environmental aspects:

- ◆ **Non-hazardous waste recycling during construction reached 80%**, whereas the French law on energy transition law sets a goal of recycling 70% of construction waste by 2020;
- ◆ **Potable water consumption** was treated with special care: not only do the water-saving systems of the toilet facilities allow water consumption to be **reduced by 40% compared with conventional systems**, but the flushing mechanisms are also connected to a dual potable water / industrial water supply network. Eventually, they will be supplied by treated water from the Paris-Orly rainwater treatment plant;
- ◆ **The materials** selected take into account the most stringent environmental standards: floors, walls, carpets, paint and varnish are all labelled "A+", guaranteeing the lowest possible emissions of harmful substances in the air. The solid wood siding comes from sustainably-managed (PEFC) forests.

This building is **the first project commissioned in its entirety**, from the first design phases all the way to operation. This specific mission, carried out by the Group's own engineers, allowed us to prepare and ensure optimised operation of the building and its facilities. With the attention paid to detail on various technical packages by the designers, companies and future operators, any difficulties during inauguration and the first year of operation should be limited and target performance should be reached more quickly.

Beyond the sustainable construction, this infrastructure was the Group's first airport construction project to incorporate a **social integration clause in the works contracts**, promoting the employment of disadvantaged persons, with a minimum commitment of 5% of hours worked. In the end, 35,122 hours were worked, thereby outperforming the initial goal of 25,000 hours and allowing **35 people to be employed for the project**, first and foremost from the neighbouring districts (Val-de-Marne and Essonne).

Press contact: Elise Hermant, Media and Reputation Department Manager +33 1 43 35 70 70
Investor Relations: Aurélie Cohen, Head of Investor Relations +33 1 43 35 70 58 - invest@adp.fr

Groupe ADP builds, develops and manages airports, including Paris-Charles de Gaulle, Paris-Orly and Paris-Le Bourget. In 2015, Paris Aéroport handled more than 95 million passengers and 2.2 million metric tonnes of freight and mail at Paris-Charles de Gaulle and Paris-Orly, and more than 55 million passengers at airports abroad through its subsidiary ADP Management. Boasting an exceptional geographic location and a major catchment area, the Group is pursuing its strategy of adapting and modernising its terminal facilities and upgrading quality of services; the Group also intends to develop its retail and real estate businesses. In 2015, Group revenue stood at €2,916 million and net income at €430 million.

Registered office: 291, boulevard Raspail, 75014 PARIS
 Aéroports de Paris is a public limited company (Société Anonyme) with share capital of €296,881,806.
 Registered in the Paris Trade and Company Register under no. 552 016 628 RCS Paris

groupeadp.fr

