



## PRESS RELEASE

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### **Groupe ADP and University of California Berkeley partner up in an airport sustainability research project**

**Groupe ADP, the world leader in Airport Operation and University of California (UC) Berkeley join together for a partnership in a research project that tackles airport sustainability issues. UC Berkeley students are especially interested in the topic of “Assessing the utilization of efficient air conditioning and heating devices by airlines and its implications in airport infrastructure and sustainability policies”.**

**The research work will be conducted within the Civil & Environmental Engineering Department (CEE) of UC Berkeley, one of the world leaders in civil and environmental engineering research. This partnership will also enable both sides to explore other aspects of the future of air travel, such as Urban Air Mobility and Electric aircrafts.**

Groupe ADP and UC Berkeley have announced the signature of a partnership on a research project to be conducted by the **university’s Airport Design Studio**, the specialized lab dedicated to airport research within the Civil & Environmental Engineering department (CEE).

The research will be steered by **Fiona Greer** under the supervision of Dr. **Jasenka Rakas**, head of the *Airport Design Studio*, CEE faculty member, and deputy director of the UC Berkeley National Center of Excellence for Aviation Operations Research (NEXTOR), housed at UC Berkeley’s Institute of Transportation Studies. Greer is an M.S. graduate and PhD candidate co-advised by Rakas and Dr. Arpad Horvath.

The partnership will allow students in the class to fully assess the utilization of efficient air conditioning and heating devices over auxiliary Power Units (APU<sup>1</sup>) by airlines when the aircrafts are at the gate and through that, to analyze implications in airport infrastructure and policies in the development of future airports. The study will include a case study of Groupe ADP’s Paris-Charles de Gaulle and Paris-Orly airports. It will also help to understand the impact of airports and planes on ground in their contribution to global warming.

**This project directly echoes Groupe ADP’s sustainability commitments to develop and uphold the highest environmental standards, and especially to compensate 100% of its residual carbon emissions by 2030 for the Parisian Airports and to reach complete carbon neutrality by 2050.**

The research will also help benefit the Groupe’s 24 airports managed around the world. The objective of The *Airport Design Studio* is to support multidisciplinary, research and teaching in the field of airport and air transportation systems, planning, and management.

Commenting on this partnership, **Edward Arkwright, Deputy CEO of Groupe ADP** declared: “Groupe ADP is glad to partner with Dr.Rakas’ teams at Berkeley to launch a pathbreaking scientific research that will contribute to better understand and act on airport policies worldwide and contribute to the Group’s commitment in terms of sustainability”.

**Dr. Jasenka Rakas** added: “I am very pleased to start this research project with Groupe ADP, which will enable, thanks to its worldwide network, applied research on one of the most sensitive and important fields for airport sustainability and civil engineering.”

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<sup>1</sup> APU (Auxiliary Power Unit) is a small onboard turbojet engine usually located rear of the fuselage which allows the aircraft to be self-powered/ autonomous during ground operation to provide air (high pressure compression) and electricity (alternating generator).

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Groupe ADP develops and manages airports, including Paris-Charles de Gaulle, Paris-Orly and Paris-Le Bourget. In 2018, the group handled through its brand Paris Aéroport more than 105 million passengers and 2.3 million metric tonnes of freight and mail at Paris-Charles de Gaulle and Paris-Orly, and more than 176 million passengers in airports abroad through its subsidiary ADP International. Boasting an exceptional geographic location and a major catchment area, the Group is pursuing its strategy of adapting and modernizing its terminal facilities and upgrading quality of services; the group also intends to develop its retail and real estate businesses. In 2018, group revenue stood at €4,478 million and net income at €610 million.

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