



## PRESS RELEASE

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### **Groupe ADP and DSN Services (Air Navigation Service Provider) present Hologarde, the comprehensive solution for long-distance drone detection.**

Airports, nuclear plants, Seveso II Directive sites, and prisons are all highly sensitive areas and demand the highest levels of safety and security. In only a few years, drone traffic has risen exponentially, particularly for leisure activities. According to the European Aviation Safety Agency (EASA), in 2016 drones caused more than 1,400 accidents, as opposed to only 606 between 2011 and 2015.

Groupe ADP and DSN Services, a subsidiary created by the French Civil Aviation Authority (DGAC), decided, in a partnership, to combine their expertise to create the Hologarde project, where the aim is to co-develop a drone detection system that can be adapted to all sensitive sites.

Edward Arkwright, Deputy CEO for Groupe ADP, stated that *"within the framework of the Innovation Hub programme, Groupe ADP is already at the forefront of using and experimenting with drones in complex environments, such as airports. By pooling the expertise of Groupe ADP and the French Civil Aviation Authority with the dynamic flexibility of partner start-ups, Hologarde gives us a clear advantage in international drone innovation within an industry that is worth billions of euros."*

Hologarde incorporates three types of technology (radar, radio frequency and HD video) in a single control centre and can detect any type of drone up to five kilometres away. It was installed for testing at Paris-Le Bourget Airport during the International Paris Air Show. The advantage of long-distance detection is being able to anticipate and develop an appropriate response according to the nature of the intrusion. Once the drone is detected, it is monitored in real time with a camera through the control centre available on PCs and tablets.

*"Hologarde is a drone detection solution that incorporates innovative technologies within a single control centre suitable for all users. Our goal is to create a safer world with drones,"* highlighted Stéphane Durand, the Executive Director at DSN Services.

This first step will allow us to confirm the reliability of the Hologarde solution. Groupe ADP and DSN Services are currently supporting work to manufacture Hologarde on an industrial scale and to develop countermeasures compatible with the airport environment. *"This project was carried out in only a few months and affirms the strong teamwork between Groupe ADP and the DGAC,"* added Mr Arkwright.

Starting in July, the trial will go further, with testing at Paris-Charles de Gaulle airport, the second-largest airport in Europe.

→ For further information: [www.hologarde.com](http://www.hologarde.com)

### **Innovation Hub programme drivers in detail**

**OPEN:** intended to spread the innovation culture and implement a partner ecosystem with incubators, academic institutions, competitiveness clusters, think tanks, etc.

**CONNECT:** dedicated to sourcing, qualifying and experimenting with start-ups and innovative SMEs.

**INVEST:** designed to acquire minority stakes to establish strategic partnerships using the internal ADP Invest fund valued at €16 million. ADP Invest has invested in Pacifica Decisions, Egidium Technologies and most recently Safety Line, a French company specialising in data analysis in aviation and aeronautics. Groupe ADP also supports three complementary outside funds: X-Ange Capital 2 (Siparex), Cathay Innovation and Ellaia Delta.

#### **About GROUPE ADP**

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Groupe ADP builds, develops and manages airports, including Paris-Charles de Gaulle, Paris-Orly and Paris-Le Bourget. In 2016, Paris Aéroport handled more than 97 million passengers and 2.2 million metric tonnes of freight and mail at Paris-Charles de Gaulle and Paris-Orly, and more than 42 million passengers in airports abroad through its subsidiary Aéroport de Paris 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 2016, Group revenue stood at €2,947 million and net income at €435 million.

Registered office: 1, rue de France, 93 290 Tremblay-en-France. Aéroports de Paris is a public limited company (Société Anonyme) with share capital of €296,881,806. Registered in the Bobigny Trade and Company Register under no. 552 016 628.

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