

The DPDgroup Drone

Parcel delivery 2.0

In 2014, we launched a research project to explore innovative and reliable technical solutions to deliver parcels using drones in the near future.

We partnered Atechsys, a start-up specialised in autonomous systems, to develop a new prototype that met our specific needs.

In the same year, we completed the very first entirely automatic flight to deliver a parcel using a drone. The following year, we carried out test after test which allowed us to optimise the drone's technical capabilities, especially in terms of security, and a delivery terminal was created.

Today, after more than 500 test flights, we are facing a new challenge: operating a regular 15 km line. Drone delivery will be developed to meet specific needs (emergencies, isolated areas, etc.). It is currently being tested.

« As Europe's leading parcel delivery player, we're pushing the envelope in our sector to establish new service standards. We are now proud of the technical innovations that make our drone one of the safest and most advanced in the sector. We believe that this technology will find its place in future parcel delivery operations. »

Jean-Luc Defrance,
Executive Vice-President,
Process, Information Technology, Digital

Technical specifications

Operational capabilities:

- Range: up to 25 km
- Payload: up to 4 kg
- Empty weight: 3 kg
- Max speed: 30 km/h

Technical features:

- 6 electric motors, carbon fibre chassis
- Latest-generation embedded electronics
- Camera with live stream and flight recorder

Navigation system:

- Embedded GPS and real-time trajectory tracking
- Transmission range: up to 30 km
- Programming and supervision ground station

Safety:

- Redundant electronics
- Autonomous parachute
- Anti-collision system under study

Delivery terminal:

- This innovative device makes the drone's take-off, landing, loading and unloading phases safe.



DPDgroup, your delivery expert

N°2 in Europe, We are the international parcel delivery network of GeoPost, a business unit of Le Groupe La Poste.

Every day, our 50,000 experts deliver over 3.6 million parcels to using the largest road network in Europe and around the world.

Our ambition is to be the preferred partner for your parcel delivery needs.

Our aim: offering ever more simple and practical solutions to make it easier for you to send and receive parcels.

- 50,000 delivery experts
- We deliver to 230 countries
- A network of 22,000 Pickup points
- 3.6 million parcels delivered every day.

Atechsys

The French start-up company, Atechsys, offers an integrated approach providing its clients with all the necessary services to develop tailor-made solutions using autonomous systems.

- Test platform with a runway measuring 300m x 20m
- Mechanical, composite and electronic workshops
- Reserved flight area and lake spanning 4,000m²
- Business incubator with 12 start-ups.

Atechsys offers a unique environment with test areas (air, land, sea), a fablab (R&D, prototyping) and a training centre. These assets allow Atechsys to manage technologies from their design to testing in realistic environments and to provide turnkey airborne solutions.



Delivery terminal