

Integrating Cargo Drones into Controlled Airspace at Edmonton International Airport



Drone deliveries are taking off at Edmonton International Airport. Drone Delivery Canada has partnered with the airport and logistics partners to incorporate cargo drones into a complex airspace as a first step towards creating a sophisticated drone logistics network aimed at connecting multiple airports across the country.

Challenges and Objectives

For most courier companies, time-sensitive cargo including small parcels can be high priority with an expedited delivery.

The increasing surface roadway congestion means that shippers & forwarders are looking for new solutions that quickly, reliably and efficiently expedite priority cargo, which are often high-value and low-weight.

Airports and logistics organizations are also faced with substantial ESG mandates to meet their goals of reducing CO² emissions.

Solution

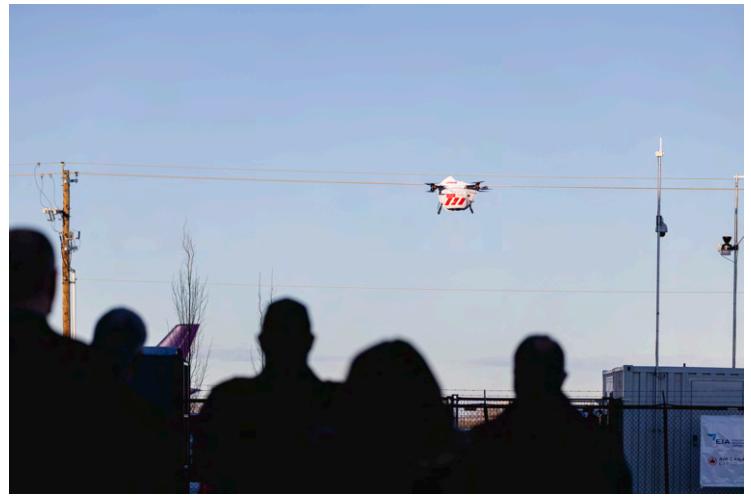
Drone Delivery Canada ("DDC") has set up the appropriate infrastructure for take-off and landing at Edmonton International Airport ("EIA") to provide an advanced drone cargo logistics solution, made up of a sophisticated ecosystem of products including its proprietary software system, hardware and professional services.

The solution is offered as a managed service and requires minimal handling from the customer who requests shipments through DDC's software and loads/unloads cargo.



EDMONTON INTERNATIONAL AIRPORT

Edmonton International Airport ("EIA") is not just an airport. They are a community of businesses that strive to make the Edmonton Metropolitan Region and Alberta a vibrant place to live, work and play. EIA is leading the way in air cargo services, land development and aviation innovation.



DDC's Sparrow drone is used for delivering small parcels at a max range of 20km and payload of approximately 4kg.

Results

This innovative solution adds value as a way to bridge the gap between non-efficient modes of transport and the high demand of expedited delivery. The disruptive technology delivers cargo in both directions multiple times a day, resulting in the rapid, reliable and safe transportation of goods.

By working with EIA, Air Canada Cargo and logistics partners Apple Express & Ziing Final Mile, DDC is modernizing the supply chain industry by setting up a drone link between the airport and the industrial park in Nisku, Alberta.

The result is a hub-and-spoke environment for the airport's strategic customers and partners, unlocking logistical benefits to the region and new revenue opportunities. DDC's drone logistics platform elevates inter-modal connectivity to support the growing e-commerce and courier industries.

The EIA project is DDC's first international airport drone solution and the first of its kind in the country and the world.

"We are proud to be the first airport in Canada to have commercial drone delivery services in full operation. Our partnership with DDC is helping create a path forward for this growing industry."

- Myron Keehn, Vice President, Air Service, Business Development, ESG and Government Relations, Edmonton International Airport

Visit dronedeliverycanada.com or contact sales@dronedeliverycanada.com for more information on how Drone Delivery Canada can help elevate your business

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