

2020 / CASE STUDY

INNOVATION WITH A PURPOSE: REMOTE DELIVERY SOLUTIONS FOR INDIGENOUS COMMUNITIES

INTRODUCTION

Drone Delivery Canada ("DDC") a Volatus Aerospace ("Volatus") company has introduced innovative delivery services designed to meet the needs of remote communities in northern Canada including Moose Cree First Nation, Georgina Island & Beausoleil First Nation.

BACKGROUND

DDC/Volatus specialize in developing and implementing drone-based delivery solutions across various industries, including healthcare and logistics. The company was founded in response to a tragic event in a remote northern community, where a young boy tragically passed away due to the inability to access essential medical supplies. The lack of infrastructure and the community's isolation made it impossible to deliver a life-saving oxygen tank.

This served as the catalyst for the development of a drone delivery system capable of transporting medical supplies and other vital goods to remote areas. Since its inception in 2014, DDC has been a leading player in the drone delivery industry, providing solutions that address the challenges of delivering goods to remote and hard-to-reach locations, helping to bridge the gap in accessibility and improve the quality of life for many Canadians.



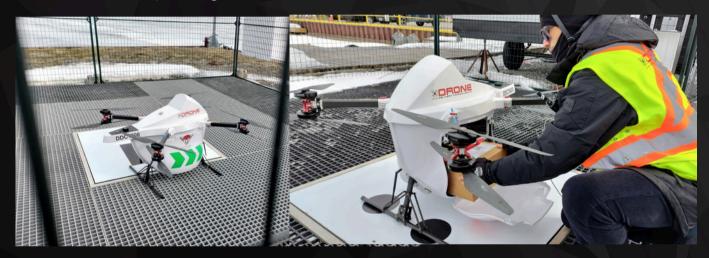


CHALLENGES & OBJECTIVES

Canada is home to nearly 1,000 remote communities, most of which face similar logistical challenges, including:

- Geographic isolation & harsher climates
- High cost of living making it difficult to provide goods and services at an affordable price
- Limited infrastructure & transportation options
- Cultural differences creating challenges in tailoring products and services to meet the specific needs of the communities
- · Access to quality healthcare

DDC/Volatus' proprietary system offers a highly efficient logistics solution that helps address these issues, creating jobs, reducing costs, and ultimately saving lives.



SOLUTION

Working with federal regulators and community stakeholders, DDC conducted commercial test flights to the indigenous communities of Moose Cree First Nation, Georgina Island First Nation and Beausoleil First Nation. All three projects utilized DDC's Sparrow drone, DroneSpot™ takeoff and landing infrastructure and proprietary FLYTE management system to transport medical supplies, food and general goods to the remote communities.

RESULTS

The projects were the first of their kind and demonstrated major milestones for DDC and the drone delivery industry. Access to medical care is a fundamental right, and every individual deserves access to quality healthcare regardless of their location or socioeconomic status.

