

# Microdrones Enters the Third Dimension with New Mapping and Drone Lidar Surveying Equipment



Microdrones has used the recent months to launch the Microdrones as a Service (mdaaS) business model as well as next-generation system features. The company now aims to continue innovating and delivering new technology, and is introducing four new survey equipment systems.

“Customers have been looking for ways to acquire 3D and oblique imagery data, and we wanted to offer fully integrated systems, software, workflow, maintenance and support for these applications,” explained Vivien Heriard-Dubreuil, Microdrones CEO. “In addition, we are proud to present a new survey-grade Lidar system that can capture data from greater flight altitudes, or extremely detailed data from lower altitudes.”

Company COO, Frank Darmayan added: “These new systems, combined with [our Microdrones as a Service](#) business model, provide a complete technology ecosystem and product lineup that customers can adopt, adapt, upgrade and grow with.”

## High wall mapping and 3D modelling

First up, the company offers fully integrated survey equipment systems for high wall mapping and 3D modelling applications.

[mdMapper3000DµoG 3D aaS](#) fills a niche where traditional manned aircraft 3D mapping can't get close enough to the subject to get the exacting detail for high-end 3D models or high wall mapping. Vice president of sales for Microdrones, Vincent Legrand said: “Customers will capture all angles and surfaces via an array of five cameras with dual IMU direct georeferencing, all integrated into the processing workflow in mdInfinity software.”

“[mdMapper1000DG 3D aaS](#) provides similar 3D and high wall mapping functionality, but with single IMU direct georeferencing and a smaller drone, to expand the addressable market with a popular price point,” Legrand added.

The newly released [mdMapper3000DµoG Oblique aaS](#) adds a fully integrated gimbal to the popular dual IMU direct georeferencing mdMapper3000Dµog system. This provides more opportunity to capture oblique imagery, helpful for high wall mapping and mining photogrammetry applications.

## Extreme point density

“We are especially excited about the release of our new survey equipment,” explained Heriard-Dubreuil, adding “The LR stands for long-range; users will extend their data collection reach from high above or use the laser scanning power to collect extreme point density when flying at lower altitudes.”

“Demand for our products and mdaaS has been very strong. The b2b surveying, construction and building trades have been busy and eager to adopt new technology that makes them more effective. We're pleased to have more opportunities and products to meet their demand and continue to lead the market for professional drone applications”, Legrand concluded.