



Microdrones goes big with the release of the mdLiDAR3000, as well as two new mdMapper Systems



New releases from

Microdrones announced the launch of the new mdLiDAR3000 in October. It's the newest LiDAR (Light detection and ranging) system from Microdrones that combines the heavy lifting power of the md4-3000 drone with a RIEGL LiDAR and a SONY camera for rapidly producing colorised pointclouds.

The new system is unique because it takes advantage of the robust power of md4-3000, the largest Microdrones aircraft which can carry

more, fly longer, and reach higher. High payload capacity makes it ideal for handling heavy LiDAR sensors, advanced mapping grade cameras, and multiple sensors and provides the robust platform for heavy duty LiDAR geomatics.

Accurate data

The entire integrated system enables the user to quickly acquire high density, accurate LiDAR data in the field and quickly turn it into a 3D colorised pointcloud via popular software.

Microdrones President Vivien Heriard-Dubreuil explains how his team got to this point. "Last year, we led the field with the development of mdSolutions like the mdMapper1000DG, the mdTector1000CH4 and our mdLiDAR1000," commented.

"The new mdLiDAR3000 is the next step in our evolution. Geospatial pros always demand a faster, more effective way to capture elevation data with extreme accuracy. We are very pleased to be the company that can empower them with a powerful new tool to do just that."

Dr. Mohamed Mostafa, Director of Microdrones mdSolutions is very excited about the product. "The mdLiDAR3000 has been in development for the past three years and this system is revolutionary," he said. "Our md4-3000 is the ideal platform to integrate with the RIEGL miniVUX-1UAV LiDAR. The results capable via our integrated system and easy workflow are very impressive."

Mike Hogan, Microdrones Sales Director anticipates a high demand for mdLiDAR3000. "We put a lot of effort, time and resources into designing this system and it's very rewarding to see this come to fruition. This is a serious machine for serious geomatics professionals in the construction, land development, engineering and geomatics trades."

New systems

In addition to this new flagship LiDAR product, the Microdrones team has added new systems to round out its mdMapper lineup: mdMapper1000PPK and mdMapper1000+.

Each of the now five mdMapper systems is

Dr. Mohamed Mostafa, Director of Microdrones mdSolutions speaking at the recent Intergeo event in Germany



ADVERTORIAL: MICRODRONES



The mdLiDAR3000 has been in development for the past three years

Microdrones

outfitted to deliver turnkey aerial surveying, mapping, data collection, tailored to the needs of the customer, ranging from the mdMapper1000DG to the entry level, aerial mapping package in the mdMapper200. The top-line entry, mdMapper1000DG, uses direct georeferencing where customers are able to save time by using fewer or no ground control points for less sidelay and more productivity.

Hogan explains, "Although not all of our customers may need the power of direct georeferencing just yet, they all need highly accurate and precise data collection. That's where the mdMapper1000PPK provides high accuracy with just 1-3 ground control points." Furthermore, down the road, when a business is ready to expand to DG, the mdMapper1000PPK is easily and affordably upgradeable via the DG READY firmware update.

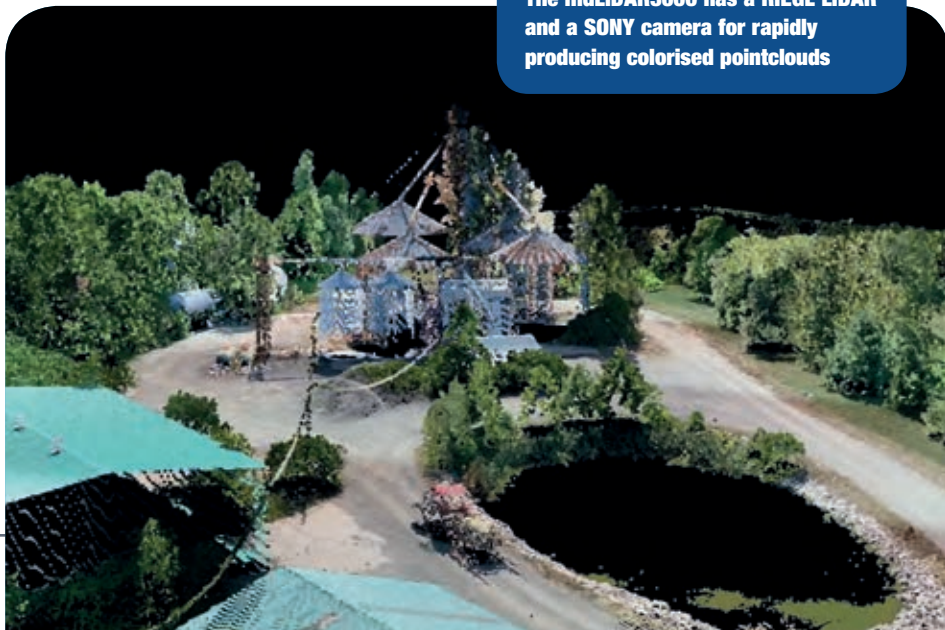
At an even lower price point comes the new mdMapper1000+. This system is ideal for those

who do not need DG or PPK and are willing to install ground control points on site for their projects. Hogan explains, "Customers who frequently fly the same site repeatedly find this to be an adequate solution. Best of all the mdMapper1000+ is ready to expand with the user. It's both PPK ready and DG ready with a practical and affordable firmware upgrade."

Geomatics and construction professionals at Intergeo 2018 in Frankfurt, Germany last month lined up to learn more about making integrated drone systems a part of their work from Microdrones head of product development, Dr. Mohamed Mostafa.

■ If you're interested in learning more, the Microdrones team would love to talk with you. <http://lp.microdrones.com/ic>

The mdLiDAR3000 has a RIEGL LiDAR and a SONY camera for rapidly producing colorised pointclouds



PLAN. FLY. PROCESS. VISUALIZE.

A COMPLETE END-TO-END
LiDAR SOLUTION



FRED V. JOHNSON
UAS Crew Chief
Spatial Data Consultants, Inc.



As you've come to expect, Microdrones provides you with the full solution: Plan, Fly, Process, Visualize. Only Bigger. This is a serious machine for serious geomatics professionals in the construction, land development, engineering, surveying and research trades. It's field tough and ready to work with you on the following tasks:

- Corridor mapping
- Mining (volume calculation)
- Construction site monitoring
- Environmental changes (time series)
- Forestry
- Contour mapping
- Leveling/Excavation
- Archaeology and cultural heritage
- Highway construction

Complete this easy online form to start a conversation with us: lp.microdrones.com/ic



Spatial Data Consultants Inc. uses Microdrones systems including the mdLiDAR3000 and the mdMapper1000.