

Optech Galaxy's SwathTRAK™ wins 2016 MAPPS Grand Award for Technology

January 30, 2017 — [Teledyne Optech](http://www.teledyneoptech.com) is pleased to announce that the [Optech Galaxy](#) airborne lidar system has won the 2016 MAPPS Grand Award for Technology. With its unique SwathTRAK™ technology, the Galaxy vastly increases operational efficiency and data consistency in low- to high-relief terrain.

Traditional lidar scanners utilize a fixed field of view (FOV), which presents unique challenges in varying terrain. Flying over a hill reduces the swath width on the ground, while flying over a valley increases the relative swath width, greatly affecting the relative point density. SwathTRAK technology resolves this problem with a dynamic FOV scanner that adjusts the FOV when the range to the ground changes so that the swath width on the ground remains constant at all times.

“SwathTRAK is an industry first and represents a huge increase in productivity and area coverage rates for wide-area mapping applications, so we are proud to receive a MAPPS Grand Award for it,” said Michel Stanier, General Manager of Teledyne Optech.

“Previously, lidar operators needed to fly many extra flightlines in high-relief terrain to make sure that they achieved the required point density. SwathTRAK reduces the number of flightlines compared to fixed-FOV sensors and maintains a constant swath width over ground. One of our Galaxy clients reported that they could fly [more than 40% fewer flightlines](#) with SwathTRAK, which will dramatically reduce their operating costs and overall survey time.”

Find out more at www.teledyneoptech.com.

About Teledyne Optech

Teledyne Optech is the world leader in high-accuracy lidar 3D survey systems, integrated cameras, and productivity-enhancing workflows. With operations and staff worldwide, Teledyne Optech offers both standalone and fully integrated lidar and camera solutions for airborne mapping, airborne lidar bathymetry, mobile mapping, terrestrial laser scanning, mine cavity monitoring, and industrial process control, as well as space-proven sensors. Teledyne Optech supports its clients with an around-the-clock team, on-site service, and regular efficiency enhancements to the workflow of its integrated systems. Accuracy and productivity matter!

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Teledyne Optech staff receive Grand Award for Technology from MAPPS.

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