

RIEGL and Applanix UAV Integration



RIEGL Laser Measurement Systems and Applanix Corporation have announced that the Applanix AP50 GNSS-Inertial sensor system was successfully integrated with RIEGL's VQ-820-GU topo-bathymetric airborne laser scanner on board the Schiebel CAMCOPTER S-100 UAV. The RIEGL VQ-820-GU is specifically designed to survey sea beds or the grounds of rivers or lakes, and is well suited for combined land and hydrographic airborne survey.

The Applanix AP50 GNSS-Inertial system is a GNSS-Inertial sensor plus Inertial Measurement Unit (IMU) in a compact form factor. It features a high-performance precision GNSS receiver and the Applanix IN-Fusion GNSS-Inertial integration technology running on a powerful, dedicated Inertial Engine (IE) board.

On board an unmanned aerial vehicle (UAV), the system is uniquely capable of penetrating areas that may be too dangerous for piloted aircraft or ground patrols. This can provide additional safety and security for its users.

In addition, Applanix will be a Gold sponsor at RIEGL LIDAR 2013, RIEGL's international user conference taking place in Vienna, Austria, from 25 to 27 June 2013.

<https://www.gim-international.com/content/news/riegl-and-applanix-uav-integration>
