Riegl and Applanix Integrate on UAV

RIEGL Laser Measurement Systems and Applanix Corporation have announced that the Applanix AP50 GNSS-Inertial sensor system has been successfully integrated with RIEGLâ€™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, rivers or lakes and is well suited for combined ground 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.