

RIEGL Announces the Future of Airborne Laser Scanning:

**Introducing the
RIEGL LMS-Q1560 Airborne Mapping System**



**For
Immediate Release**
Horn, Austria
June 26, 2013

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When you are responsible for flight plans and project management of large scale national mapping and complex urban environments, performance and reliability are critical for success.

RIEGL provides that performance, confidence and trust.

RIEGL Laser Measurement Systems, the performance leader in the laser scanning industry, is pleased to introduce the new airborne laser mapping system LMS-Q1560 at the RIEGL LIDAR 2013 International User Conference.

The RIEGL LMS-Q1560 introduces a new era in high altitude airborne mapping. This new ultra high performance, fully integrated airborne laser scanner system within a single, self-contained unit features dual high-powered laser sources, dual optical receivers, and a common mirror built into the system, creating precise and effective data coverage on the ground.

The LMS-Q1560 can be operated at a maximum pulse repetition rate of 800 kHz providing an effective measurement rate of 530,000 measurements per second on the ground, while operating at the demanding altitudes of such projects. Range ambiguities due to regularly occurring and sometimes even dramatic terrain elevation changes are automatically resolved by RIEGL's multiple time around processing software, RiMTA. The software manages up to 10 pulses in the air, simultaneously. This enables the user to do simple flight planning, even for difficult terrain. The result is safe flight planning and flying, faster project processing and exceptional data quality.

Further information:

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RIEGL - by a unique dual channel design – provides an innovative forward, backward and nadir looking capability in this instrument. This enables more effective and more accurate high point density data capture from different angles producing the best point spacing on the ground, even in challenging terrain. Whether it is the deep crevices of mountainous areas or the difficult mapping conditions of urban canyons, the revolutionary new LMS-Q1560 performs exceptionally.

The innovative *RIEGL* LMS-Q1560 system design and calibration provides seamless integration of additional sensors. *RIEGL* provides unprecedented customization options to the user.

Optionally, other sensors may be easily integrated; an IMU, a medium format aerial camera and the capability for a secondary IR camera to complete the system. With all these individual components integrated into one single instrument of compact design, suited for gyro-stabilized leveling mounts, the system installation is outstandingly simple and straight-forward.

With its ease and simplicity of use, the LMS-Q1560 provides the user a long-term stable system calibration, reduced acquisition and processing time, and multiple sensor data capture for unrivaled project turnaround.



*RIEGL LMS-Q1560
launched at the
RIEGL LIDAR 2013
User Conference,
taking place in Vienna from
June 25 – 27, 2013*

About *RIEGL* LMS:

RIEGL Laser Measurement Systems is an Austrian based company specializing in research, development and production of terrestrial, mobile and airborne laser scanners and laser scanning systems. The combination of state-of-the-art hardware and appropriate, equally innovative *RIEGL* software packages results in powerful solutions for multiple fields of application.

For more information, visit www.riegl.com

About *RIEGL* USA:

The key factor to *RIEGL* USA's success is providing complete support and reliability to our customers. From your initial purchase, to integration of the system, as well as training and support, *RIEGL* USA stands out in the industry as a leader. *RIEGL* USA located in Orlando, FL, is the North American office for *RIEGL* Laser Measurement Systems, GmbH. With over 19 years of experience, *RIEGL* USA delivers quality airborne, mobile and stationary terrestrial laser scanning solutions. For more Information, visit www.rieglusa.com .

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