Trimble's Inpho 5.4 Software Features New Capabilities to Improve Performance, Workflow and Result Quality

STUTTGART, Germany, Sept. 6, 2011 /PRNewswire/ -- Trimble (NASDAQ: TRMB) announced the release of its Inpho 5.4 software suite. Inpho software is specifically engineered to meet the rigorous standards of digital photogrammetry and laser scanning data production. With the release, Trimble has significantly improved Inpho's performance, workflow integration and result quality.

The announcement was made today at Photogrammetric Week.

The software release significantly improves the quality of point clouds created solely from aerial images using image matching, achieving a density of up to one point per pixel. This method provides very dense, accurate and complete digital terrain models suitable for true orthophoto production and automatic feature extraction, offering a cost-effective alternative to laser scanning.

Inpho 5.4 also achieves performance improvements through the introduction of parallel processing along with new filtering and tiling strategies for point clouds. As a result, orthophoto generation, image adjustment, global tilting, seam line detection and ortho-mosaicking significantly outperform earlier versions. In addition, the version includes new graphical analysis, point cloud viewing and interactive image enhancement tools designed to enrich data visualization and manipulation for large projects.

"Digital photogrammetry and elevation modeling are fundamentally important to our customers' production workflows," said Katherine Sandford, general manager of Trimble's GeoSpatial Division. "Inpho 5.4 not only offers Trimble customers faster and more cost-effective data processing, it also provides key capabilities that are integral to Trimble's aerial solutions portfolio."

Inpho software is well known for pioneering digital photogrammetry techniques that are today regarded as the industry standard. This commitment to advancing the science of geo-precision is demonstrated within the latest generation of Inpho software.

Availability

The Inpho 5.4 software suite is available now through Trimble's Inpho distribution channel. Customers with a current maintenance contract can receive the upgrade at no additional cost.

About Trimble's GeoSpatial Division

Trimble applies geospatial technologies to a variety of industry-specific workflows, seamlessly transitioning from data acquisition through to geo-information creation. Trimble's land and aerial mobile sensors capture geo-referenced images and point clouds that are interpreted using Trimble's production-scale photogrammetry, terrain modeling and feature extraction software. The resulting high-fidelity models increase business productivity and improve decision-making for a diverse community of global customers, including aerial and land mapping service companies, governments, utilities and transportation.

For more information, visit: www.trimble.com/geospatial.

About Trimble

Trimble applies technology to make field and mobile workers in businesses and government significantly more productive. Solutions are focused on applications requiring position or location—including surveying, construction, agriculture, fleet and asset management, public safety and mapping. In addition to utilizing positioning technologies, such as GPS, lasers and optics, Trimble solutions may include software content specific to the needs of the user. Wireless technologies are utilized to deliver the solution to the user and to ensure a tight coupling of the field and the back office. Founded in 1978, Trimble is headquartered in Sunnyvale, Calif.

For more information, visit Trimble's Web site at: www.trimble.com.

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