

AERIAL IMAGING TECHNOLOGY SPOTLIGHT

The vision of the founding members of ASPRS was farsighted indeed. Their 1934 mission to advance knowledge and understanding of the mapping sciences today encompasses a broad spectrum of scientific, social and commercial enterprises. To complement the timeline in this month's American Surveyor article about ASPRS, we've included some exciting info about today's cutting-edge aerial imaging technology in the following pages. Even more exciting is to see these solutions in person (along with a whole lot more)! Make plans now to meet the movers and shakers behind all the new ideas and technology and see what lies ahead for this industry by attending ASPRS 2010 in San Diego, California (April 26-30). More info is available at www.asprs.org.



Definiens eCognition®



Definiens eCognition® – the next level in geo-spatial image analysis

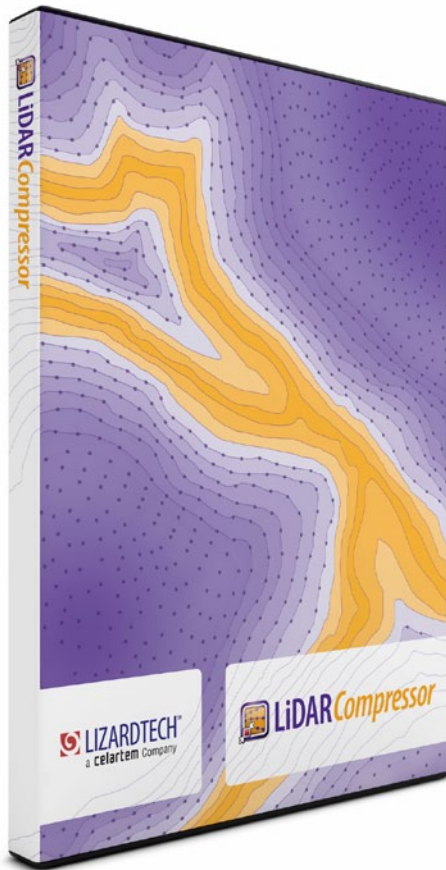
A revolutionary solution for geo-spatial image analysis, the Definiens Enterprise Image Intelligence™ Suite combines all digital workflow components into one powerful package: Definiens Developer unlocks a new level of object-based image analysis with highly customizable rule sets and automation capabilities. Definiens Architect empowers even non-technical professionals to use the advantages of Definiens Developer via easily configurable image analysis workflows. Finally, Definiens eCognition® Server provides a batch processing environment for the highly configurable, automatic analysis of thousands of images.

This award-winning package is supplemented by the unique eCognition Community, a network that promotes collaboration and advancement within the earth sciences community. The Definiens Enterprise Image Intelligence™ Suite has been the No.1 choice in the industry for more than a decade. To find out why, visit <http://earth.definiens.com> today to learn about the powerful Definiens Earth Sciences product offering.

**For more information, visit
<http://earth.definiens.com>.**

TECHNOLOGY SPOTLIGHT

LizardTech

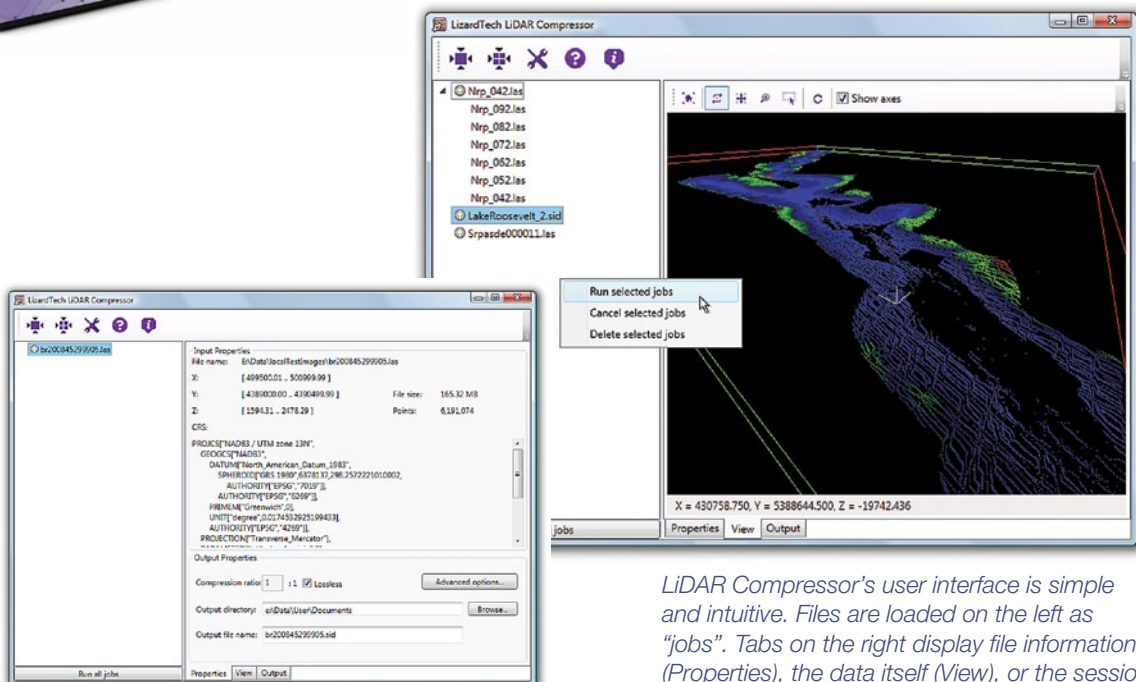


LizardTech's LiDAR Compressor

In another of a long line of productivity tools, and responding to long-standing requests, LizardTech announces the release of LiDAR compression for industry-standard MrSID. Designed for LAS and text files, the Generation 4 (MG4) format offers two compression levels. The first will result in a 75 percent reduction in file size while retaining all the points and precision and accuracy of the original file. The second virtually lossless level can reduce file sizes by 90 percent, and contains less root mean square error than the sensor that captured the original data.

The software readily handles huge point clouds generated by airborne or terrestrial laser scanners, and allows users to easily extract derivatives.

For more information, visit www.lizardtech.com.



LiDAR Compressor's user interface is simple and intuitive. Files are loaded on the left as "jobs". Tabs on the right display file information (Properties), the data itself (View), or the session log (Output). A context menu gives enables you to run, cancel or delete selected jobs.

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Optech



Optech's ALTM Products

Optech's prominence as a world leader in the development and manufacture of advanced laser-based survey and imaging instruments extends over the last 35 years. Throughout, Optech has worked closely with academic, government, military, naval, air force and space-based organizations to meet their specialized application needs.

As a pioneer in the field of LiDAR imaging and ranging technology, Optech developed the world's first commercial airborne laser terrain mapper, now known around the world as ALTM. Available in both application- and platform-dependent configurations, Optech ALTMs offer the greatest flexibility and efficiency available to the professional surveyor today.

For more information, visit www.optech.ca.

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Applanix



Applanix DSS (Digital Sensor System) An end-to-end solution for high-efficiency aerial mapping and orthophoto projects, at one low cost.

The DSS is a complete, ready-to-use, medium-format digital aerial imaging solution that includes the fusion of an aerial camera, a flight management system, a GNSS-Aided INS Direct Georeferencing system and a full suite of processing software. As a mapping-quality alternative to the large format sensor, DSS uses direct georeferencing to capture and generate high-resolution color and color-infrared digital orthophotos from the air. Applanix software and optimized workflow enables rapid orthophoto generation. Certified by the USGS, this out-of-the-box solution is THE digital imaging answer for aerial survey and remote sensing applications requiring a rapid, cost-effective solution.

DSS comes professionally installed with 7 days of on-site training and 24/7 worldwide customer support.

For more information, visit www.applanix.com.