

Océ Introduces Five Black & White Systems

Océ has launched a new family of multifunctional black & white systems. The Océ VarioPrint 1055/1065/1075 delivers 55, 62 and 72 pages per minute (ppm) and the Océ VarioPrint 2062/2075 62 and 72 ppm to cover the speed range segments 4 and 5. The new Océ systems offer:

- Fully integrated fingerprint-based printing via Océ TouchTo Print — easy, direct job access via the optional built-in sensor;
- Easy PDF document handling using any USB memory stick — print from and scan to the Océ Pocket Mailbox;
- Serverless follow-me printing with the Océ SMART Mailbox — documents available at the point of need, without any IT infrastructure changes, securing an 99% uptime guarantee for the print infrastructure;
- Océ IntuiGraph user interface with big buttons, a scroll wheel and a wizard button.

They also come with a number of features that enhance everyday work processes:

- Powerful job processing thanks to the embedded Océ Genie or Genie Pro controller ;
- Smart scan profiles for quick and integrated document digitisation workflows;
- Smart@email: scan to email with LDAP and Microsoft Active Directory support;
- Océ PRISMA workflow software support to optimise and integrate office document operations with printroom and ERP operations.

The print engine and scan technology are based on Océ Copy Press and Image Logic technology, both of which have been further fine-tuned and continue to be exponents of the renowned Océ quality, reliability and productivity. The new systems are backward-compatible with all previous Océ VarioPrint models.



Source: Océ
Internet: www.oce.com

Sokkia Introduces MONMOS Industrial Measuring System



Sokkia Europe extended its industrial range with the new MONMOS industrial measuring system existing of the new NET1100M 3-D station and 3 DIM-observer controller/software package. The new motorized MONMOS system features Sokkia's original Servomotor drive mechanism and control algorithms

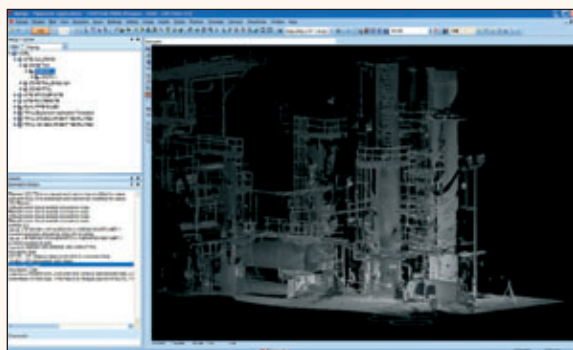
using angle information obtained directly from the encoders. In addition the EDM has been improved; it features the latest digital signal and sophisticated optical technologies. This results in an expanded measuring range of 300m, the widest in the MONMOS series ever. The NET1100M is able to measure larger objects than before without moving the instrument, which results in more accurate measurements. The target illumination function provides the user with a better view in poor light situations even when doing these long range measurements. The NET1100M features timesaving semi-automatic control when used in conjunction

with 3-DIM Observer, the special controller package developed by Germany based GLM (Sokkia's industrial partner). It realizes high precision 3D measurements for deformation of landslides, tunnels, ships, turbines, dams, buildings and road surfaces; tunnel profiling, construction supervision, shape and dimensional measurement of domes or train bogies, large-scale part installation in factories and more. The new MONMOS system is available now through Sokkia's exclusive dealer network.

Source: Sokkia Europe
Internet: www.sokkia.net

Release of Leica CloudWorx 1.0 for PDMS

At the SPAR2006 conference in Houston, Texas, Leica Geosystems announced the immediate availability of Leica CloudWorx 1.0 for PDMS. This point cloud solution is designed for PDMS users who want to take advantage of accurate, laser scan as-built data directly in PDMS. Leica CloudWorx 1.0 for PDMS is the latest addition to the Leica CloudWorx suite of products that enable professionals to use rich, as-built point cloud data directly in their native desktop design and visualization platform. PDMS is part of AVEVA's VANTAGE Plant Design family.



High density point cloud from phase-based Leica HDS4500 scanner in PDMS.

Key features and capabilities of Leica CloudWorx 1.0 for PDMS include:

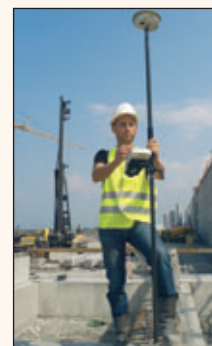
- Measure – Using PDMS' own measuring tools;
- Automated clash checking - Using PDMS' built-in clash management and reporting tools;
- PDMS Design Point (D-Point) placement - At 'pick point' or 'center-of-pipe', D-Point placement lets users create intelligent as-built models directly in PDMS using catalog components and objects;
- Easy point cloud management – By Scan, 'Limit Box', 'Cutplane slices and sections', 'HideRegion';

- Supports a variety of laser scanners – Including native data formats from Leica Geosystems scanners;
- CloudWorx toolbars – Access CloudWorx operations;
- Visualize a new design concept directly in context with reality.

Source: Leica Geosystems
Internet: www.leica-geosystems.com/hds

Leica Geosystems Launches Britain's first Commercial RTK Network

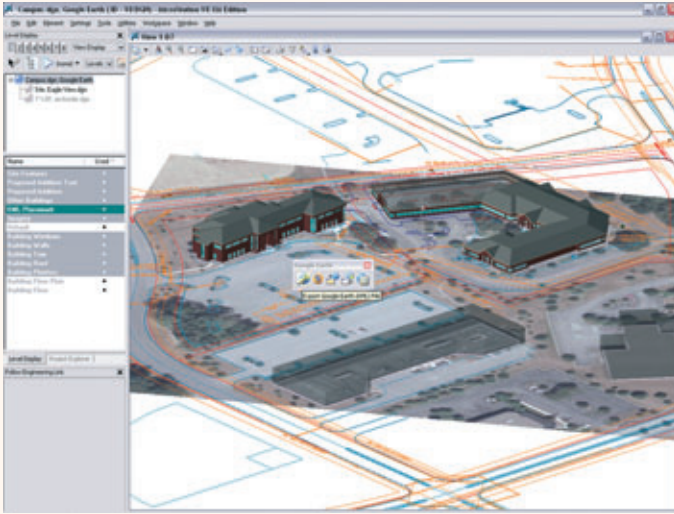
Since mid January 2006 Leica Geosystems' SmartNet service is live and available as a broadcast correction service to subscribers via GSM or GPRS technology in Great Britain. The service is a partnership between Leica Geosystems and Ordnance Survey. SmartNet is based on raw data from the Ordnance



Survey network of GPS base stations. This network, known as OS Net, comprises around 90 permanent nationally deployed GPS reference stations. However OS Net is commercially available only via partners. Data from each of these base stations around the country is received over the Internet at a highly secure location in London Docklands. Here it is processed using Leica SpiderNet, Leica Geosystems advanced network calculation software, and made available to users when they dial up or log in.

Source: Leica Geosystems
Internet: www.leica-geosystems.com

Bentley Connects MicroStation to Google Earth Service



By means of a web conference and a press release just before this virtual gathering halfway March Bentley wanted to draw attention to remarkable news indeed: MicroStation has been connected to the Google Earth service. Joe Croser, global marketing director, Bentley platform products, and Ray Bentley, lead developer, explained that this means infrastructural projects can be viewed in context. Adding models, 3D viewing, zooming in and out, turning off and on local information and reference files, turning on levels like parking or roads, all this is possible. The connection MicroStation- Google Earth means that CAD and GIS data are combined (the user first having to register CAD files for Google Earth to recognize them), which I think everybody agrees with is quite an interesting aspect.

The MicroStation model content is available to users of the Google Earth service. For example:

- All included levels available to the MicroStation user are persisted in the KML file, so the Google Earth user can easily switch parts of the model on and off as desired;
- Saved views in MicroStation are transferred to the KML file, so the Google Earth user can easily move through pre-configured perspectives in the model;
- Embedded links within a MicroStation file will be automatically published as Google Earth Placemarks. This allows the Google Earth viewer to quickly navigate to supporting project data;
- The geometries of MicroStation GeoGraphics users who have defined the coordinate system for their designs will be automatically exported to the correct locations in Google Earth;
- MicroStation raster imagery can be published to Google Earth to replace or augment the Google Earth imagery.

Bentley also decided to publish some Frequently Asked Questions (FAQ) on www.bentley.com/en-US/Products/MicroStation/Google+Earth+Tools/FAQ.htm. Why does Bentley want to make 3D modelling 'cooler' for a wider audience? What impact does the acquisition of @Last by Google have on Bentley's plans? These are just some of the questions Bentley provides an answer to.

Bentley SELECT subscribers can download the new connection software now for use with MicroStation V8 2004 Edition. The capability is delivered within MicroStation V8 XM Edition.

To view an online demonstration of the MicroStation and Google Earth connection, view an eSeminar on how to publish DGN and DWG models to the Google Earth environment, or to learn more, go to www.bentley.com/earthtools.

New GNSS Technology Leica Geosystems

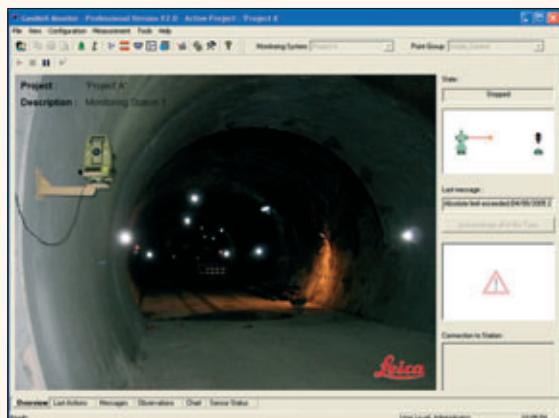
Leica Geosystems extended its GPS product portfolio with the launch of the Leica GX1230 GG and Leica ATX1230 GG sensors and the GRX1200 GG Pro sensor for reference station networks. The new ultra precise GNSS measurement engine now supports both GPS L2C signals and GLONASS satellites. Users of these Leica GNSS solutions now have up to 100 percent more satellites available than GPS alone. Additionally, these systems are designed to track future GNSS signals, such as GPS L5 and Galileo, guaranteeing investments. Leica's SmartTrack+ guarantees very low signal noise, high sensitivity, fast re-acquisition and tracks all available signals. Features of the GRX1200 GG Pro sensor include Internet-connectivity via HTTPS, onboard generation of RINEX files and the prompt FTP Push of high quality Raw and RINEX Data. It is configurable using a Web interface or GPS Spider affording full operations whether working remotely or in the office. The lowest power consumption in class reduces infrastructure requirements. The new ATX1230 GG sensor is fully compatible with the



Leica TPS1200 total stations creating a GNSS SmartStation.

Source: Leica Geosystems
Internet: www.leica-geosystems.com

Leica Geosystems Launches Leica GeoMoS Version 2.0



Leica GeoMoS is a solution for multi-sensor structural monitoring using a range of high precision geodetic instruments from Leica Geosystems and third-party sensors. Version 2.0 of the software provides a step forward in secure data replication, synchronization and post processing. The new Leica GeoMoS Server, introduced in Leica GeoMoS 2.0, is

a tool for easy database replication and synchronization between up to five clients and one server. Easy configuration and control of distributed monitoring systems from a single server, secure data storage, centralized messaging and system integrity monitoring are just some of the benefits according to Leica Geosystems. It is also stated that Leica GeoMoS Office, new in Leica GeoMoS 2.0, allows fast and easy access to data recorded by remote monitoring stations by using automatic data distribution via FTP. The office database is used as a backup database for the measurement stations and allows for offline analysis and post processing. There are several other enhancements to the limit checks and messaging tools, updates to the online help and additional functionality concerning data editing and post processing.

Source: Leica Geosystems
Internet: www.leica-geosystems.com

Smart GPS Timing Antenna Trimble



Trimble introduced the latest in a long line of GPS timing receivers, the Acutime Gold GPS smart antenna. Slightly larger than a baseball and housed in a rugged, environmentally sealed enclosure, the Acutime Gold provides a pulse-per-second (PPS) output syn-

chronized to UTC within 15 nanoseconds (one sigma). It is a solution for adding GPS timing and synchronization into any application where ease of installation and long-term reliability are critical. The new Acutime Gold GPS smart antenna is directly compatible with applications built around previous generation Acutime 2000 receivers. The antenna can be used for precise timing and network synchronization, including broadband wireless applications. It provides an independent timing source, within the firewall, for any application such as network fault detection systems and synchronization of wireless networks.

Source: Trimble
Internet: www.trimble.com

Thales GPSDifferential Module



Thales introduced GPSDifferential Module, a software extension for MobileMapper CE that seamlessly adds the power of post processing to virtually any mobile GIS/mapping software application. With the GPSDifferential Module, sub-meter and up to sub-foot mapping are also achievable where real-time corrections are not available, or when used in difficult signal environments required by applications such as forestry. GPSDifferential Module is a software extension that fully integrates into third-party mobile GIS software applications. Behind the scenes and without interrupting normal workflow, GPSDifferential Module automatically logs the raw data that is required for reliable sub-meter post-processed differential corrections. In certain conditions and with an external Thales precision antenna, accuracy up to sub-foot can be consistently achieved.

The Thales GPSDifferential Module is a business partner and software integrator tool that includes MobileMapper Office software for post-processing. When GPSDifferential Module is integrated into a GIS application, raw data collection functions can be accessed that will store the data in a separate raw data field that will be later recognized by MobileMapper Office. This will affect neither real-time data collection storage nor the structure of the real-time data format. The raw data file stored by this software extension can be post-processed using MobileMapper Office. Post-processed data is exported with attributes in industry standard formats. Software Integrators find that GPSDifferential Module easily merges with their own solutions without the need to change the data structure to support post-processing or create office-based post-processing software.

Source: Thales
Internet: www.thalesgroup.com/navigation

Intergraph Announces MAP2PDF for GeoMedia and Digital Cartographic Studio

MAP2PDF versions for Intergraph product lines, GeoMedia and Digital Cartographic Studio (DCS) are now generally available. GeoPDF embeds geospatially referenced data for map coordinate readouts, distances and bearing information in PDF format. The new MAP2PDF will export geospatial data from GeoMedia or DCS to a georegistered PDF with layers and feature attributes. This GeoPDF can be easily distributed and used in connected or disconnected modes with TerraGo's free Adobe Reader software. Users are able to view maps, turn layers on and off, query attributes, display coordinates, GPS track and create redlines and notes.

Source: Intergraph
Internet: www.intergraph.com

PCI Geomatics Develops SAR Polarimetry Workstation

PCI Geomatics announces the development and release of the SAR Polarimetry Workstation (SPW) as part of the Canadian Space Agency (CSA) Earth Observation Application Development Program (EOADP). The SPW is available as an add-on module to Geomatica 10. Polarimetric synthetic aperture radar (POLSAR) data has greater information content than the more commonly available non-polarimetric SAR data. There is solid experimental evidence that this data can be exploited in a variety of important tasks, including sea-ice detection and classification, agricultural crop monitoring, and forest type and harvest mapping. In addition, POLSAR data can be collected day or night and under atmospheric conditions that prevent the collection of optical data, such as clouds. The availability of POLSAR data, particularly from satellite-borne sensors, will soon increase significantly, and there will be a considerable interest in establishing truly operational applications of this data. The SPW is a tool that will help make this happen. The SPW can directly read data products from the AIRSAR, ENVISAR ASAR, CV-580, and SIR-C systems. It is also able to read synthetic RADARSAT-2 data products and will be able to read the real data products once they become available.

Source: PCI Geomatics
Internet: www.pcigeomatics.com/products/radar_data.html or
www.pcigeomatics.com/products/products_overview.html

Release NovAtel Galileo-ready Receiver & Antenna

NovAtel released its first production standard Galileo-ready receiver and antenna. The new L1L5E5a receiver offering 16 channel tracking of GPS L1/L5, Galileo L1/E5a and SBAS signals in a Euro form-factor card, is packaged in a EuroPak enclosure. The complementary 704X passive antenna offers access to multiple Global Navigation Satellite Systems (GNSS) including GPS, Galileo and GLONASS frequencies. Currently, the Galileo functionality of the L1L5E5a receiver is available only to customers authorized by the European Space Agency (ESA), due to an intense test campaign that ESA is conducting with GIOVE-A, the first Galileo test satellite launched December 28, 2005. According to Tony Murfin, NovAtel's VP Business Development, the EuroPak-L1L5E5a receiver is ideally suited for customers, such as government agencies and universities, who want early access to the new GPS GEO L1 and L5 satellite signals and Galileo L1 and E5a signals for research purposes. The L1L5E5a receivers, which were initially developed under contract with the Canadian Space Agency, were first demonstrated in May 2005 and have undergone engineering testing.

Source: NovAtel
Internet: www.novatel.com



PCI Geomatics Offers Geomatica 10 for Linux and Solaris Users

PCI Geomatics released Geomatica 10 for Linux and Solaris users. This latest version emphasizes automation, productivity, and support for more than 100 geospatial data formats. Geomatica 10 offers solutions for various geomatics processing requirements, while maintaining interoperability with outside software packages. Geomatica 10 offers enhanced charting and new atmospheric correction algorithms for hyperspectral data. In particular

Geomatica 10 takes full advantage of Oracle 10g and according to PCI Geomatics makes uploading and downloading multiple-formatted and large quantities of data effortless. Geomatica 10 for Linux and Solaris is complete, featuring the latest version, 10.0.1.

Source: PCI Geomatics
Internet: www.pcigeomatics.com/g10

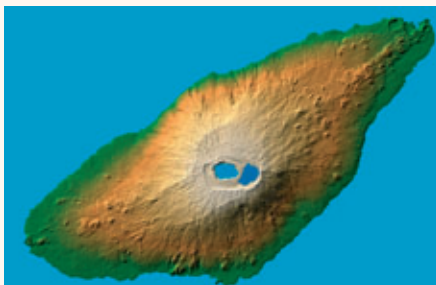
Sokkia Series30R

Bluetooth wireless communication is now available for Sokkia's Series30R total station line providing cable-free communication with data collectors. The Sokkia Field-info Xpress (SFX) function, fitted as standard, enables data transfer via the Internet using mobile phones. As Series30R's Bluetooth wireless communications module has a dial-up function, SFX can be used without cables using a mobile phone with Bluetooth technology. This latest version of Series30R is also equipped with enhanced surveying programs. The Sokkia Series30R total station line offers IP66 level of dust and water resistance, and distance measuring capabilities of survey-grade accuracy $\pm(3+2 \text{ ppm} \times D)$ mm from 30 cm to 350 m (Class 3R models).

Source: Sokkia
Internet: www.sokkia.net



Boeing's SoftPlotter 4.1 Software Release Enhances Digital Map Production



Boeing has released version 4.1 of its SoftPlotter digital map production software, enabling users to provide more accurate and efficiently produced digital mapping products to their defense and commercial mapping customers. Digital Globe QuickBird sensor support for panchromatic and multispectral imagery offers SoftPlotter users full, rigorous sensor

model and triangulation support, while digital aerial camera support for the Intergraph Z/I DMC, Vexcel UltraCAM and Airborne Data Systems digital cameras allow users to process imagery directly from these devices. SoftPlotter's new multi-window capability allows all viewing tools to display multiple stereo and monoscopic views of imagery, with geosynchronous cursor movement in all views. New AutoCAD, MicroStation and ESRI translators are included, and Visual Basic workflow wizards provide streamlined workflow setups for batch processes. Of interest to KDMS users, SoftPlotter 4.1 provides a COM interface callable from macros and a database interface for collection of fully attributed vector map data.

Source: Boeing
Internet: <http://sismissionsystems.boeing.com/products>

Matrox TripleHead2Go External Upgrade Offers Support for 3 Monitors at a Time

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Source: Boeing
Internet: <http://sismissionsystems.boeing.com/products>

NavCom Announces Enhanced VueStar Aerial Survey System

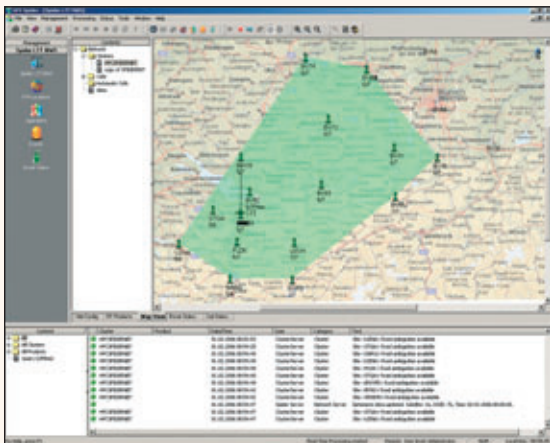


NavCom Technology introduced the newly enhanced VueStar aerial survey solution. This combines its new StarPac utility software that facilitates better integration into pre-existing workflows. VueStar complete global navigation system is configured specifically for all aerial sur-

vey applications. It utilizes the global satellite-based StarFire Network to provide precise positioning worldwide without the need for RTK base stations or GPS post processing. This new system introduces three significant enhancements: Improved GPS signal processing, StarPac Mission software, and the optional Event Latch Interface. The new 12-channel, dual-frequency GPS receiver computes real-time positions at up to 25 times a second, reacquires GPS signals faster, and includes improved troposphere modeling which better compensates for changes in altitude. Providing both pre-mission and post-mission processing, the new StarPac mission software provides critical tools for mission planning, as well as RINEX conversion, datum conversion, trajectory plotting and output of position data in a number of formats, along with a quality/figure of merit for each position.

Source: NavCom Technology
Internet: www.navcomtech.com

New Spider and SpiderWEB software Leica Geosystems



Leica Geosystems introduces a new version of its GPS Spider software and SpiderWEB V1.3, a web-based solution for distribution of GPS reference data via the Internet. Amongst software optimizations, such as further improved data processing for network RTK, the graphical user interface of the new Spider software has been enhanced with consistent map views supporting now loadable background maps and a graphical continuous raw data status view. In view of GPS

Monitoring applications Leica GPS Spider now supports the recently introduced Leica GMX902 monitoring GPS receiver. A new coordinate post-processing complements the previously available real-time positioning, to support slow moving object monitoring. Both, real time positioning and post-processing, support now data rates of up to 20Hz, as can be provided by GMX902 or GRX1200 series GPS receivers, for detection of high frequency object motion. Leica SpiderWEB V1.3 allows GPS Network administrators to keep track of users, data and downloads. GPS Network users can download GPS RINEX observation data for single or multiple stations with just a few mouse clicks. Leica SpiderWEB comple-

ments the Leica Geosystems reference stations software product portfolio consisting of Leica GPS Spider and Leica GNSS QC. For demo user access login to Leica's demo sever at the following web address: <http://spiderweb.leica-geosystems.com>

Source: Leica Geosystems
Internet: www.nrs.leica-geosystems.com and www.leica-geosystems.com



Pictometry Viewer ActiveX Control



Pictometry Viewer ActiveX control enables third-party software vendors and system integrators to embed Pictometry's oblique imagery and analytical tools directly into end user applications. Using Pictometry's ActiveX control, third-party software companies can now integrate their own customized version of Pictometry's software tools, similar to Pictometry's own Electronic Field Study (EFS) software without having to leave their native application environment. This gives users access to Pictometry's software functionality in a third-party application. The company has been working with several technologies and business partners to test, implement, and deploy its ActiveX control in other geospatial related systems. One of the first set of solutions where Pictometry has successfully integrated its ActiveX control is in ESRI's suite of GIS products that include ArcIMS and ArcGIS. Sample screen capture images of Pictometry technology in ESRI and microDATA GIS solutions can be viewed at www.pictometry.com/press-release/activex.asp. Companies that are interested in partnering with Pictometry and using its Active X control can contact Pictometry Vice President Scott Sherwood.

Source: Pictometry
Internet: www.pictometry.com

Pentax Launches R-300NX Total Station

Pentax introduces its new R-300NX Series Total Station measuring up to 270m using the non-prism function in the long measurement mode.

Non-prism measurement range and accuracy :

Measurement range.
Reflectorless : 1.5m
Normal range mode : 90m
Long range mode : 270m (NX models only)

Accuracy - Reflectorless.

R-322NX and R-323NX :
1.5 to 200m : (5 + 2ppm x D)mm
200 to 270m : (7 + 10ppm x D)mm
R-325NX, R-335NX and R-315NX :
1.5 to 200m : (5 + 3ppm x D)mm
200 to 270m : (7 + 10ppm x D)mm

Source: Pentax
Internet: www.pentaxsurveying.com