

PRODUCT SHOWCASE

GEO:CONNECTION LOOKS AT THE LATEST IN GEOMATICS PRODUCTS

SOKKIA GRX1 GNSS SYSTEM 1

SOKKIA BV announced the new **GRX1 GNSS System** that includes the new SHC250 data collector, and a new controller and post-processing software. The new GRX1 GNSS receiver has an integrated antenna, digital UHF radio, GSM module, Bluetooth® module and detachable battery in a compact, rugged, magnesium-alloy body. Its fully upgradeable features allow users to start with an entry model for L1 GPS that can be upgraded to L1 GPS+GLONASS, to L1/L2 GPS, up to 72-channel L1/L2 GPS+GLONASS receiver. The new SHC250 data collector incorporates the latest Windows Mobile® 6.5 OS, built-in Bluetooth modem and the new Spectrum Survey Field software that fully controls the GRX1 receiver with unsurpassed ease and speed. The new controller software, Spectrum Survey Field, and the comprehensive GNSS software, Spectrum Survey Office, will also support existing Sokkia GPS receivers.

www.sokkia.eu



ADVANCED MAPPING COLLECTION 2

NAVTEQ announced **NAVTEQ True**, a new mapping collection system that represents a new era in data collection utilising technology unique in the industry in terms of scale and quality of collection. Combining LIDAR, panoramic and high resolution cameras, GPS and IMU positioning, all data collected is geo-referenced, making it possible to superimpose imagery and 3D data points to create a more highly detailed digital representation. This data capture technology provides the critical platform to move digital maps from 2D to 3D. The specific components of NAVTEQ True include **rotating LIDAR**, a proprietary architecture which can capture over 1.5 million 3D data points every second; a **combined system of panoramic and high resolution cameras; GPS and Inertial Measurement Units (IMU) Positioning** to help ensure accurate geo-positioning of the vehicle at all times. NAVTEQ True houses all components in one unit, which enables a more sophisticated synchronisation of the range of data inputs captured during collection and also allows for easier large scale deployment and utilisation by NAVTEQ's staff of geographic analysts.

www.navteq.com



NOKIA 2710 NAVIGATION EDITION 3

The **Nokia 2710 Navigation Edition** comes with **Nokia Maps pre-loaded**, plus local maps for the region where it is sold. This is the most affordable navigation device ever to come from Nokia, with an estimated retail price starting at €110. The 2710 is aimed at the developing world, but will be equally welcome in developed world. With on-board GPS and digital compass, on board maps are accompanied by turn-by-turn driving navigation with full voice guidance. In selected countries, the device will ship with local maps, stored on an included 2GB memory card. The Nokia 2710 Navigation Edition also comes with a car charger and a car cradle along with a lifetime navigation license. The GPRS handset has a 2.2-inch screen, 2-megapixel camera and enough storage for 1,000 phonebook entries. The device will go for up to 18 days between charges in standby mode and will give up to four hours and 20 minutes talk time.

www.nokia.com



GOOGLE REVEALS NEXUS ONE 4

Google launched its own cell phone, a device called the **Nexus One**, at a press conference in Mountain View, CA, on 5 January. Designed and built by the Taiwanese handheld-device company HTC in partnership with Google, the phone is being sold through a new online store that will sell not only Nexus One but also future devices based on Android, Google's mobile operating system. Consumers can buy the Nexus One on its own, or with a service plan on T-Mobile's network. The Nexus One includes a one-gigahertz processor that's faster than that of most smart phones on the market today, and other hardware specifications include a 3.7-inch display, a five-megapixel camera, light and proximity sensors, and dual microphones that allow for noise cancellation. The Nexus One's processor allows the phone to run multiple applications simultaneously, including a full-featured version of Google Earth, without slowing down, and to support a new 3-D framework that comes with the 2.1 version of Android.

www.google.com

DIGITIZER FOR LIDAR

5

Leica Geosystems announced a new full-waveform digitizer designed specifically for use with its ALS-series airborne LIDAR Systems. The **Leica WDM65**, is offered for new ALS60 System Controllers plus existing ALS60 and ALS50-II systems. Control of the Leica WDM65 is fully integrated into Leica Flight and Sensor Control Management Software (FCMS) for ease of use, and data output is fully compliant with the latest LAS 1.3 standard. In addition, the incorporation of solid-state recording media as part of the upgrade allows the system's operational envelope to increase all the way to the ICAO 25,000 foot level for unpressurized aircraft. The Leica WDM65 will be available for all Leica ALS50-II and ALS60 systems beginning in the first quarter of 2010. www.leica-geosystems.com

PANASONIC TOUGHBOOK H1

8

The **Panasonic H1** ultra-rugged, lightweight portable computer comes with Windows Vista® Business (with XP Tablet downgrade option) and is designed to meet MIL-STD-810G, with 3-foot drop rating, IP65 certified. It has a bright 500 nit 10.4" dual touch display – offering both touchscreen and tablet digitizer input and offers fully-rugged durability for healthcare use with sealed fanless design and reminder system for improved sanitization. Weighing only 3.4 lbs. (1.54 kg), the H1 is lightweight and the ergonomic design integrates the carrying handle, hand strap, and easel footing. Powered by an Intel processor with hot-swappable twin batteries and incorporating an 80GB shock-mounted hard drive, the H1 comes standard with built-in RFID reader, 2MP camera, full-resolution fingerprint reader, contactless smartcard reader, 802.11 a/b/g/draft-n Wi-Fi and Bluetooth®. www.panasonic.com

FIELD-IQ CROP INPUT CONTROL SYSTEM

6

Trimble introduced the **Field-IQ™** crop input control system to offer farmers better control of their field inputs using the **Trimble® AgGPS® FmX™** integrated display or the **AgGPS EZ-Guide® 500** lightbar system. The Field-IQ system combines input control capabilities into one comprehensive, modular system, including map-based planter row unit shutoff for seed and liquid fertilizer, variable rate seeding, variable rate liquid fertilizer, variable rate spreading and real-time variable rate nitrogen application. The Field-IQ system reduces the need for complex calibrations. Modular functionality of the Field-IQ system allows growers to automate individual row control for seed, automate individual row control for liquid, perform variable rate application, perform real-time variable rate nitrogen application, and record coverage and mapping automatically. The FmX integrated display or the EZ-Guide system records where the grower has been and what activities have been performed. www.trimble.com/agriculture

MAGELLAN ROADMATE 1700

7

Navigate in style with the new **Magellan® RoadMate® 1700 GPS** device with the exclusive and highly acclaimed OneTouch™ favourites menu and a high-resolution 7-inch wide colour touch screen. Easy-to-use premium features such as QuickSpell® with SmartCity search, highway exit POI search, spoken street name guidance, AAA TourBook® and AAA Member Roadside Assistance® help ensure confidence and safety on the road to deliver a powerful and enjoyable navigation experience. The OneTouch™ favourites menu affords instant access to your personalized bookmarks of favourite places. The extra-large, high resolution 7-inch wide colour touch screen makes for easy viewing. Highway lane assist offers visual aids to point you in the right direction and ensure that you'll choose the correct lane well before your next turn. AAA TourBook provides ratings and descriptions on AAA approved places to stay, play, dine, and save. AAA Member Roadside Assistance gets help fast. www.magellangps.com

