

# Products & Practice

## V-Link-200

The V-Link-200 wireless sensor node features eight analog input channels that accommodate Wheatstone bridge and analog sensors, including strain, load cell, torque, pressure, acceleration, vibration, magnetic field, displacement, and geophones. The node has four channels for single-ended sensor measurement, four channels for differential sensor measurement, and an on-board internal temperature sensor. V-Link-200 has 18-bit resolution with  $\pm 0.1\%$  full scale measurement accuracy. The node can log data to internal memory or transmit real-time synchronized data, and it supports event-driven triggers with both pre- and post-event buffers.

—LORD MicroStrain, [www.microstrain.com](http://www.microstrain.com)



## Pull Plan Construction Project Planning and Management Application

Pull Plan Software's construction project planning and management application is a cloud-based platform that is intuitive, easy to use, and powered by automation and machine learning that connects the entire project team with real-time data and insights. Powered by Lean principles, the application has been through beta testing with participation from over 400 construction engineering firms, contractors, and facility owners. Pull Plan automates handoffs between project team members, improves stakeholder accountability through performance visibility, enables real-time feedback and notification alerts on project progress, and enhances project analytics.

—Pull Plan Software, Inc.,  
[www.pullplan.com](http://www.pullplan.com)

## ClearEdge3D Integration with BIM Track

ClearEdge3D is integrated with Verity construction verification software and BIM Track's web-based collaboration platform for BIM coordination. This collaboration allows AEC professionals to publish field mistakes found by Verity into BIM Track and assign the issues to specific team members to ensure quick resolution of the problems. Verity enables ClearEdge3D's customers to use an as-built laser scan to rapidly check 100% of the installed work. Design or fabrication models can be rapidly compared with the as-built point cloud to determine the installation status and flag out-of-tolerance work. After a quick review, any issues that require follow-up can be published in bulk to BIM Track. From there, BIM Track's management tools close the gap between finding and resolving mistakes. The Verity and BIM Track integration allows users to obtain valuable insights when analyzing and resolving issues with their team, as they can examine issues within the context of the model. Verity offers plan, section, elevation, and three-dimensional isometric views in applications that BIM Track supports, such as Tekla and ArchiCAD. Data captured by Verity is added into the BIM Track issue description and can be summarized in HTML reports for documentation.

—ClearEdge3D, [www.clearedge3d.com](http://www.clearedge3d.com)

## Bricking Solutions Access Ramps

Bricking Solutions' Kiln Access Ramps provide safe and easy access for maintenance personnel and equipment. Engineers review each customer's burn floor, cooler, and kiln to customize a design. Constructed with 6061-T6 aircraft grade aluminum, the ramps support up to 15,000 lb (6800 kg) of equipment and offer a 3:1 safety factor. Every Bricking Solutions ramp is built to meet all international safety standards. The ramp supports a forklift fully loaded with bricks for fast and efficient material and equipment access. Bricking Solutions designs the ramps in modular sections that can be assembled or disassembled in as little as 1.5 hours depending on the configuration and the length of the burn floor.

—Bricking Solutions, [www.brickingsolutions.com](http://www.brickingsolutions.com)



## SPL-100 Laser Level Sensor

BinMaster's SPL-100 battery-powered single point laser is used to sense the level of solids in bins, tanks, and silos. The SPL-100 is powered by a lithium battery, can take readings on intervals from 1 hour up to 1 day, and has a projected battery life of 3 to 5 years. It measures low- and no-dust solids in silos up to 98 ft (30 m) tall. Designed for easy setup, users simply install the sensor, power and aim the laser, and connect to the cloud. LoRa long-range communications send measurements from the SPL-100 to the LG-100 wireless gateway. The LG-100 provides a cellular or ethernet connection to the BinView web application or BinInventory LAN-based software for inventory data access from a phone, tablet, or desktop computer. Fixed mounting plates are available in angles of 0, 5, 10, or 30 degrees as well as an adjustable swivel mount that allows angle alteration from 0 to 45 degrees to aim the laser. The SPL-100 reports on remaining battery life to ensure users have current readings.

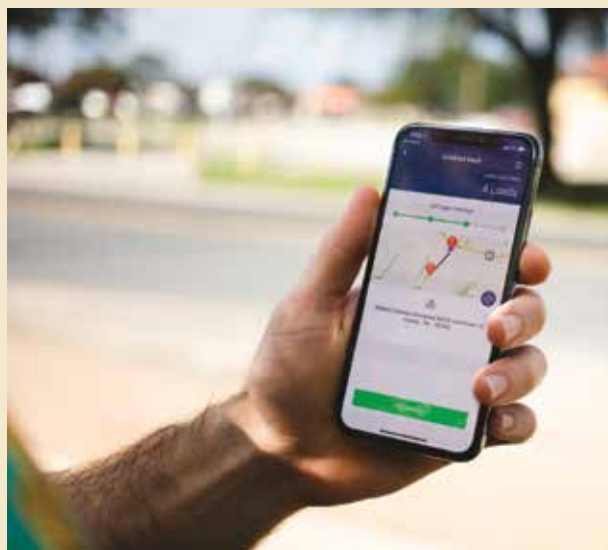
—BinMaster, [www.binmaster.com](http://www.binmaster.com)



## Ruckit Logistics Platform

Ruckit's collaborative logistics platform is designed for bulk materials producers, trucking companies, and general contractors. Ruckit's platform includes a free mobile app for iOS and Android devices that allows companies to dispatch, manage, and track all trucks for a job, regardless of whether the truck is company-owned, leased, or third-party. The platform requires no data plans or hardware in trucks to make them Ruckit-ready. The Ruckit platform delivers supply chain optimization by digitizing construction workflows, which allows machine learning algorithms to be layered into the program to increase material movement efficiency and eliminate waste. Real-time route tracking allows dispatchers and construction managers to receive personalized trucking recommendations to improve loading/unloading times, optimize haul routes, and make more informed dispatching decisions.

—RUCKIT, INC., [www.goruckit.com](http://www.goruckit.com)



## Crescent Lufkin Shockforce Tape Measure

Apex Tool Group's Crescent Lufkin® Shockforce™ Tape Measure has a patent-pending, two-sided blade design that provides a 14 ft (4 m) unassisted standout. It was built for maximum utility and enhanced durability to withstand a 100 ft (30 m) drop onto concrete. The compact design features steel "roll bars" to protect the lock button against impact damage, while the diamond-coated end hook provides 50% more hook grasp to prevent surface slippage. The dual-sided print combined with enhanced print size and clean design provides superior legibility for quicker measuring.

—Apex Tool Group, [www.apextoolgroup.com](http://www.apextoolgroup.com)

—Crescent, [www.crescenttool.com](http://www.crescenttool.com)



# Products & Practice

## TennaGO

TennaGO® provides precise GPS tracking for heavy equipment and machines. TennaGO cellular trackers use IoT technology to connect equipment to the Tenna App on mobile devices for autonomous real-time tracking and monitoring. The device identifies the GPS position of an asset, and it shows the frequency of use and length of operation. Employees can search for inventory by type or site, find asset locations on a map, view asset details and maintenance status, set up alerts based on maintenance reports and geographic boundaries, and simplify allocation with pick lists. TennaGO is available in both rechargeable and long-life battery models.

—Tenna, [www.tenna.com](http://www.tenna.com)

## Web Notes

### Cultured Stone Launches New Website

Cultured Stone's new website reflects a strategic brand refresh. It now provides in-depth resources to users, and it provides a seamless transition from desktop to mobile browsing. The Find a Dealer feature has an automatic location synchronizer that can determine the user's location and recommend nearby options.

—Cultured Stone, [www.culturedstone.com](http://www.culturedstone.com)

## Book Notes

### Masonry Designers' Guide 2016

By The Masonry Society

The 9th Edition of the *Masonry Designers' Guide* has been designated as the MDG-2016 so that readers know it is based on the 2016 TMS 402/602. Numerous revisions have been made to the previous edition, including an additional chapter on reinforcement and connectors. Discussion sections covering new TMS 402-16 provisions have also been incorporated, and the Guide's numerous practical examples have been amended to reflect TMS 402-16 and ASCE 7-16. Also, masonry design requirements have been modified to reflect changes in the 2018 International Building Code (IBC).

—The Masonry Society, <https://masonrysociety.org>  
\$160; 976 pp.; ISBN: 978-1-929081-58-5



## Products & Service Literature & Videos

### Parking Lot Pre-Construction Checklist

In conjunction with the National Ready Mixed Concrete Association, the American Society of Concrete Contractors (ASCC) published a *Parking Lot Pre-Construction Checklist*. The document helps contractors identify key personnel and issues related to construction of a concrete parking lot. Specification and detailing requirements, equipment needs, schedules, responsible persons, environmental requirements, and safety concerns can be listed for ready reference. The Checklist is a product of the ASCC Paving Committee, chaired by Paul Albanelli. The document can be purchased at ASCC's online store, visit <https://asconline.site-ym.com/store/default.aspx>.

—ASCC, [www.asconline.org](http://www.asconline.org)

