

# Product Showcase

## New Software & Applications

### RISAFloor ES

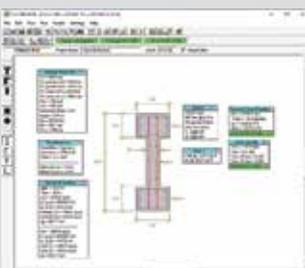
RISAFloor ES is a software program for structural analysis and design of multi-material buildings that include two-way concrete slabs. RISAFloor ES includes design routines for steel, concrete, and wood (podium) designs, all within the same model. Analyses are performed using a finite element model, and design routines follow the latest building codes in the United States (International Building Code) and Canada (National Building Code of Canada). Elevated reinforced concrete slab designs include punching shear checks and elastic deflection analyses.

—RISA Technologies, Inc., [www.risa.com](http://www.risa.com)

### Raken

Raken app is a software-as-a-service (SaaS) system used by construction industry members to conveniently record information for daily reports. Raken app takes advantage of the speech-to-text capability of modern smartphones, so field workers can record information for daily reports by speaking. Because reports and observations can be generated while walking a jobsite, Raken saves time and boosts timely compliance reporting. It also eliminates the distraction and high probability of errors associated with typing on a small screen or transcribing handwritten notes. The Raken app interfaces with the phone's camera, allowing the user to add images to notes. The app also uploads gathered information to a cloud data store at regular intervals. Cloud storage offers security and decreased administrative costs, without any additional storage expenses. Cloud storage also gives project managers rapid access to daily report data, sent to them via scheduled e-mail or pushed to client-owned storage services.

—Raken, [www.rakenapp.com](http://www.rakenapp.com)



### S-CONCRETE

S-FRAME Software, Inc.'s S-CONCRETE™ designs, optimizes, and details reinforced concrete beams, columns, and walls. Using the software's comprehensive design code implementations, the user gets immediate feedback while changing design parameters. S-CONCRETE includes true axial force-biaxial bending interaction relationships. Detailed interaction diagrams are produced, and applied forces are plotted with capacity curves to reflect the performance of the analyzed section. S-CONCRETE incorporates seismic design and ductility provisions. Reinforcement layout, including primary and secondary bars, ties, and stirrups, can be saved to files in DXF format. Comprehensive design reports include clause references, intermediate results, and diagrams.

—S-FRAME Software, Inc., [www.s-frame.com](http://www.s-frame.com)

### Spectrum Integration Hub

Dexter + Chaney's new Spectrum Integration Hub allows users to integrate its Spectrum construction management software with almost any enterprise resource planning (ERP) system. Pre-built connectors, standards-based interfaces, and bulk data access are used to facilitate seamless communication between Spectrum and other applications, creating an open application program interface (API) environment. The Spectrum Integration Hub is powered by several different Spectrum offerings that can be used together or separately—depending on integration needs. Out-of-the-box application connectors link Spectrum with some of the most widely used ERP platforms today, including Salesforce.com and Concur. Spectrum Data Exchange allows users to build their own bidirectional connectors, while Info Link allows users to pull large amounts of data in bulk from their Spectrum database and transfer it into another application or to spreadsheets, where it can be reviewed or manipulated.

—Dexter + Chaney, [www.dexterchaney.com](http://www.dexterchaney.com)

## Revu 2017

Bluebeam, Inc.'s Revu 2017 delivers new and enhanced workflow automation tools that span the entire project lifecycle and maximize workflow efficiency. Features and enhancements include new takeoff tools for estimators; expanded batch processing tools to quickly and efficiently apply digital signatures and professional seals across a batch of multiple files; and new Automatic Form Creation to increase efficiency while creating requests for information (RFIs), submittals, contracts, and permits. Streamlined Measurement and Count Tool enhancements enable construction professionals to eliminate redundancies, use takeoff data downstream, and seamlessly manage project documents. Enhanced three-dimensional (3-D) navigation and functionality visually conveys complex concepts to project partners using 360-degree photos. Revu 2017 is available in Standard, CAD, and eXtreme editions.

—Bluebeam, Inc., [www.bluebeam.com](http://www.bluebeam.com)



## VCmaster

VCmaster software for documentation and calculations is now available in three editions tailored to better meet the individual needs of engineers. VCmaster Basic allows the creation and use of calculation templates, and it includes text processing functions as well as editors for sketches or graphic formulae. VCmaster Reports also allows the compilation of comprehensive digital reports. Digitally created documents can be easily edited, filed, and reused for similar projects; the Reports edition also includes unlimited data transfer. VCmaster Enterprise includes the features of the Reports edition plus a flexible licensing model, starting from six licenses. All editions allow engineers to combine their own templates with predefined templates per material design codes for concrete, steel, and timber for production of professional final documents that meet specific project needs.

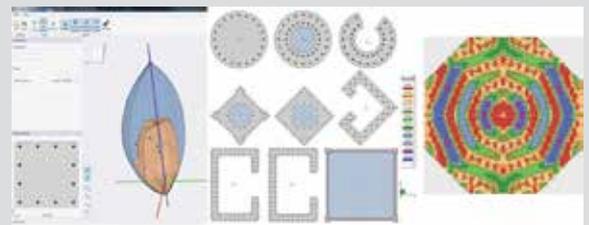
—VCmaster, [www.vcmaster.com](http://www.vcmaster.com)

## StructurePoint Software

StructurePoint continues to develop and enhance software concepts originally created by the Portland Cement Association for modeling, analyzing, and designing reinforced concrete structures. The newly upgraded spColumn program features a dynamic spSection module to create and modify irregular sections. It also includes a 3-D failure surface viewer to allow more thorough investigation of biaxial runs. The spMats program now includes a sophisticated finite element

method (FEM) solver to expedite solution of large-scale, complex models. Equipped with the latest U.S. (ACI 318-14) and Canadian (CSA A23.3-14) concrete codes, StructurePoint software helps engineers work quickly and accurately.

—StructurePoint, LLC, [www.structurepoint.org](http://www.structurepoint.org)



## PTV Visum 16

PTV Group's PTV Visum 16 is software used for multi-modal transportation system planning. Users can create robust models for visualizing and testing future scenarios. The new version features all-new simulation-based dynamic assignment and 3-D result display. The software's simulation-based dynamic assignment allows realistic simulation of individual vehicles and their interactions to represent congestion effects and delays over time. The new 3-D network view gives users the opportunity to create intuitive visualizations and videos for reports and presentations. Attribute values of the underlying model are rendered into the third dimension and displayed in a newly created window.

—PTV Group, [www.ptvgroup.com](http://www.ptvgroup.com)