Trimble®

The Trimble Construction One Spectrum Software Suite

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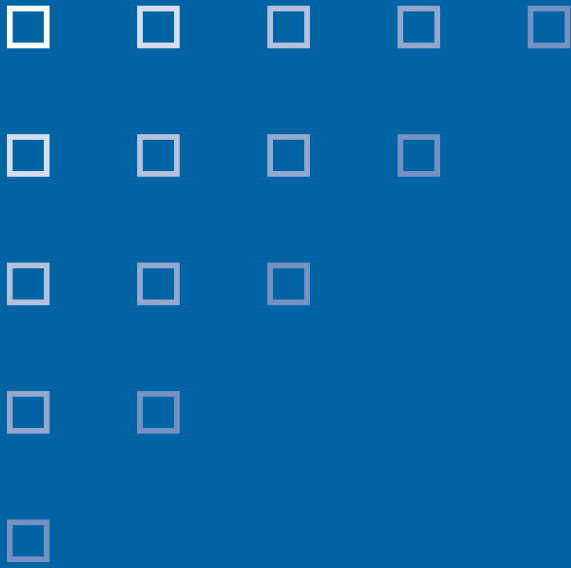
Overview

Built on Results

For more than four decades, Trimble® Viewpoint® has been providing comprehensive business management solutions for thousands of construction companies across the globe.

Through our connected [Trimble Construction One](™) construction management suite, the Spectrum® ERP solution brings together your projects, people and processes in a truly collaborative construction management environment.

Unlike software that solves a single need for customers or compels them to work within the restraints of a larger, out-of-the-box ERP solution, Trimble Construction One provides you with a truly connected construction experience by seamlessly connecting back-office professionals with field operations and entire project teams.

A Connected Construction Management Experience

Realize the power of connected construction management functionality with a single-source of data truth. As part of the connected Trimble Construction One suite of solutions, Spectrum's connected workflows allow you to effectively manage your entire construction process:

- Complete construction accounting capabilities.

- Powerful operations and project management solutions.

- Streamlined HR management and payroll functionality.

- Leading-edge document management and collaboration tools.

- Intuitive web and mobile solutions to empower your teams in the field.

- Seamless materials, inventory and equipment management and tracking.

- Full-featured service management and dispatching capabilities.

- Dynamic reporting, analytics and business intelligence tools.

Built for Contractors

Spectrum is designed for construction, with its features and functionality mapped to how real-world contractors like you operate. In fact, Spectrum's clients play a large role in determining the specific features and functionality. Backed by Trimble Viewpoint's commitment to continual research and development, Spectrum is continually being improved with new features, and software updates are automatically rolled out to clients several times per year.

Whether you're a growing small-sized to mid-sized company or an enterprise-level contractor with multiple companies and divisions, Trimble Viewpoint can meet your specific construction business needs.

The Trimble Construction One Spectrum suite is ideal for the following types of companies who seek an enhanced ability to tailor their construction management solution to meet the specific needs of their business:

- General Contractors.
- Heavy Highway/Civil/Utility Contractors.
- Electrical Contractors.
- Mechanical/HVAC Contractors.
- Plumbing Contractors.
- Specialty Contractors.

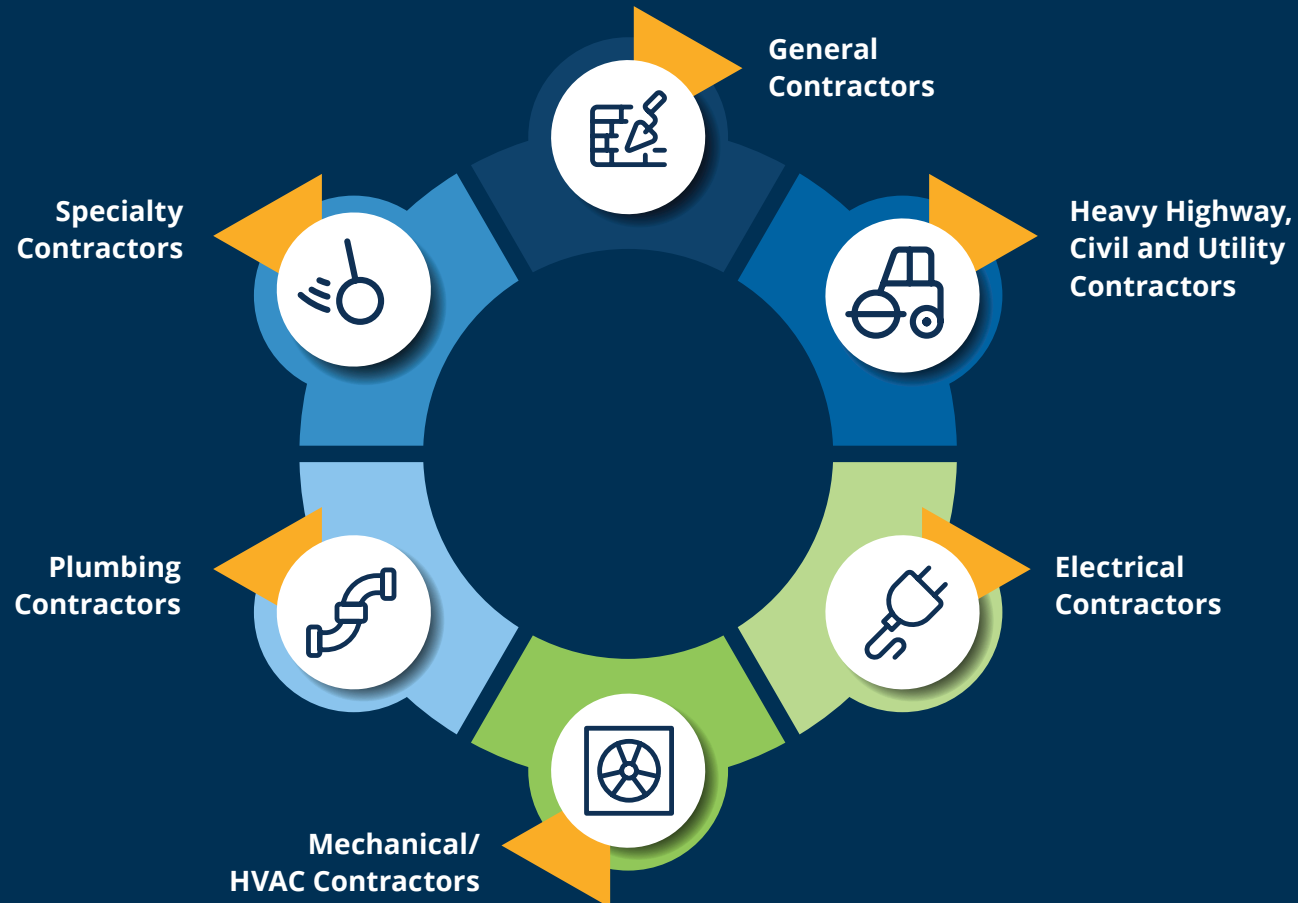## How Trimble Construction One Helps Construction Professionals to Work Smarter

Imagine a construction work environment where manual tasks are replaced by digitized processes; where you can access the real-time data you need anywhere, anytime; where data is consistent, no matter where it's coming from; where software is easy to use and everyone can collaborate together seamlessly.

Trimble Construction One provides that environment, and helps all construction professionals — whether at the executive level, the back office, or working in the field—work smarter, rather than harder.

▶ **Find out how!**

Spectrum and the Trimble Construction One Suite Are Ideal for

General Contractors

Heavy Highway, Civil and Utility Contractors

Electrical Contractors

Mechanical/ HVAC Contractors

Plumbing Contractors

Specialty Contractors

Available on:

7

Designed With Leading-Edge Technology and Security

By creating seamless connections between cloud-based construction ERP software, intuitive web and mobile applications, robust data storage and processing capabilities, and powerful analytic and business intelligence tools, the Trimble Construction One suite makes it possible for you to become a modern, data-driven contractor.

Leveraging the latest cloud-based technologies, Trimble Construction One Spectrum solutions can often accomplish in minutes what has traditionally taken your teams weeks or even months to pull together.

From automated workflows to self-serve reporting features and mobile apps to streamline work in the field, Trimble Construction One Spectrum gives you the ability to work smarter, make real-time decisions and unlock new possibilities.

With a single source of truth and real-time analysis tools, you can do more with your data than ever. The best part is that contractors don't need a team of expensive data scientists and hours of labor-intensive work to get to this level of insight. Virtually anyone can get the data relevant to them or their teams with just a few clicks of a mouse.

Work with confidence knowing that all of your data and workflows are protected in a secure operating environment. Spectrum is supported by the very latest security measures to ensure that you have the highest security protocols in place at all times. Spectrum is SOC 2, Type I and SOC 2, Type II certified, signifying that our cloud systems and associated control processes satisfy the SOC security control standards as denoted in the AICPA Trust Services Criteria for Security. The Trimble Construction One Spectrum suite relies on Microsoft® Azure® and benefits from their tremendous investment in security.

Furthermore, the Trimble Construction One suite is flexible, allowing users to bundle the functionalities they need to properly scale for their business, while providing a secure platform to grow their technology capabilities as they need. This allows you to maximize your technology investments. Further backed by the powerful construction technology ecosystem of Trimble, you have one provider to meet all of your construction technology needs.

Trimble Construction One:
A World-Class Cloud Partnership

Microsoft Azure

Trimble Viewpoint cloud offerings leverage world-class partnerships, such as Microsoft Azure, to deliver an unmatched cloud experience. You can be confident in a high performance cloud environment with superior reliability and up-time, security that cannot be matched by an on-premises installation and second-to-none disaster recovery and business continuity capabilities. And the power of Microsoft Azure scales with your business, no matter how large.

Real-World Cybersecurity Case Study: E.R. Snell

When Atlanta-based asphalt and concrete contractor E.R. Snell fell victim to a costly ransomware attack, it turned to Trimble Viewpoint and its connected Trimble Construction One suite to move operations to the cloud for better data security and control. Trimble Construction One delivers turnkey construction applications in a managed cloud infrastructure. It eliminates upfront server purchase costs, as well as ongoing expenses related to maintenance, updates and upgrades.

Trimble Construction One delivers best-in-class business data protections and disaster recovery, with a 24/7/365 Security Operation Center that combines human beings and advanced software to detect, analyze and respond to malware, ransomware, and other cybersecurity incidents, in real-time.

Additionally, protections for end-users include multi-factor authentication and federation from Azure Active Directory.

▶ Watch the Full Video:
[E.R. Snell: Cybersecurity](#)

Unparalleled Ease of Use and Streamlined Workflows

Spectrum makes managing all of your construction processes simple. With easy-to-understand interfaces, intuitive navigation and menus, and alert-style tasks and workflows, end users don't have to be technologically savvy in order to do their jobs. Spectrum takes much of the guesswork out of construction management by putting the relevant data specific users need at their fingertips at all times.

Spectrum users can self-serve their own data needs, whether through simple to create and use dashboards or through intuitive web and mobile portals that allow them to easily retrieve and view or upload data as needed. Thanks to real-time data and integrated functionality, you're free from the burden of having to re-enter data into multiple different systems or track down missing or incomplete data. This saves you countless hours of time and alleviates more than a few administrative headaches.

And workflows are no longer messy, convoluted processes, involving multiple steps and delays.

True Construction Intelligence

The Trimble Construction One suite puts you in command of your data, giving Spectrum users built-in access to the industry's most powerful reporting, data analytics and business intelligence tools through Analytics.

Analytics reimagines data analysis for your construction organization by using real-time data and self-service analytic capabilities. Choose from standard reports, or easily customize reports, create detailed data visualizations, or personalize dashboards with simple drag-and-drop data fields.

Gain better insight into your projects' productivity and financial health by identifying where issues lie and putting action plans in place based on data truth rather than gut intuition.

Identify long-term trends and forecast future work. Take advantage of data-driven technologies like machine learning and artificial intelligence to further innovate and streamline work, turning your organization into a well-oiled construction machine with more efficient, less costly and more profitable projects.

A Trusted Technology Partner

When you select Trimble Construction One Spectrum, you're not just getting a software package, you're getting a truly connected, scalable construction management platform, a trusted technology vendor with more than 40 years of construction experience, and a round-the-clock technology partner committed to your success.

Trimble Viewpoint works with you every step of the way to understand your business needs and maximize your technology investments. We have a proven implementation methodology that helps you modernize your business operations with limited business disruption. From planning to configuration, training and testing to go live, Trimble Viewpoint's technology experts optimize the delivery of your construction technology solutions.

Tools for Success

Once you're live on Spectrum, you have access to expert support and professional services teams at all times. We get you the answers you need quickly so you can keep your business moving. Our easy to use Customer Support Portal makes it simple to log an issue, interact with live professionals, find online tutorials, webinars and product solutions, and much more. In addition, Trimble Viewpoint offers a full suite of customer success resources, including:

- The Viewpoint Academy for role-based training courses, live instructor-led courses, certification programs and a host of other educational content.

- The Network, your online peer community where members can easily connect with other users, participate in active discussion forums, find product tips and best practices, share feedback on products and services, and much more — and you're recognized for your participation.

- Live educational sessions, including. interactive Spectrum summits, hands on labs, live in-person training, Trimble's popular Dimensions user conference and much more.

- Dozens of product webinars, ebooks, case studies, podcasts and live webcasts, blogs and other construction technology thought leadership content.
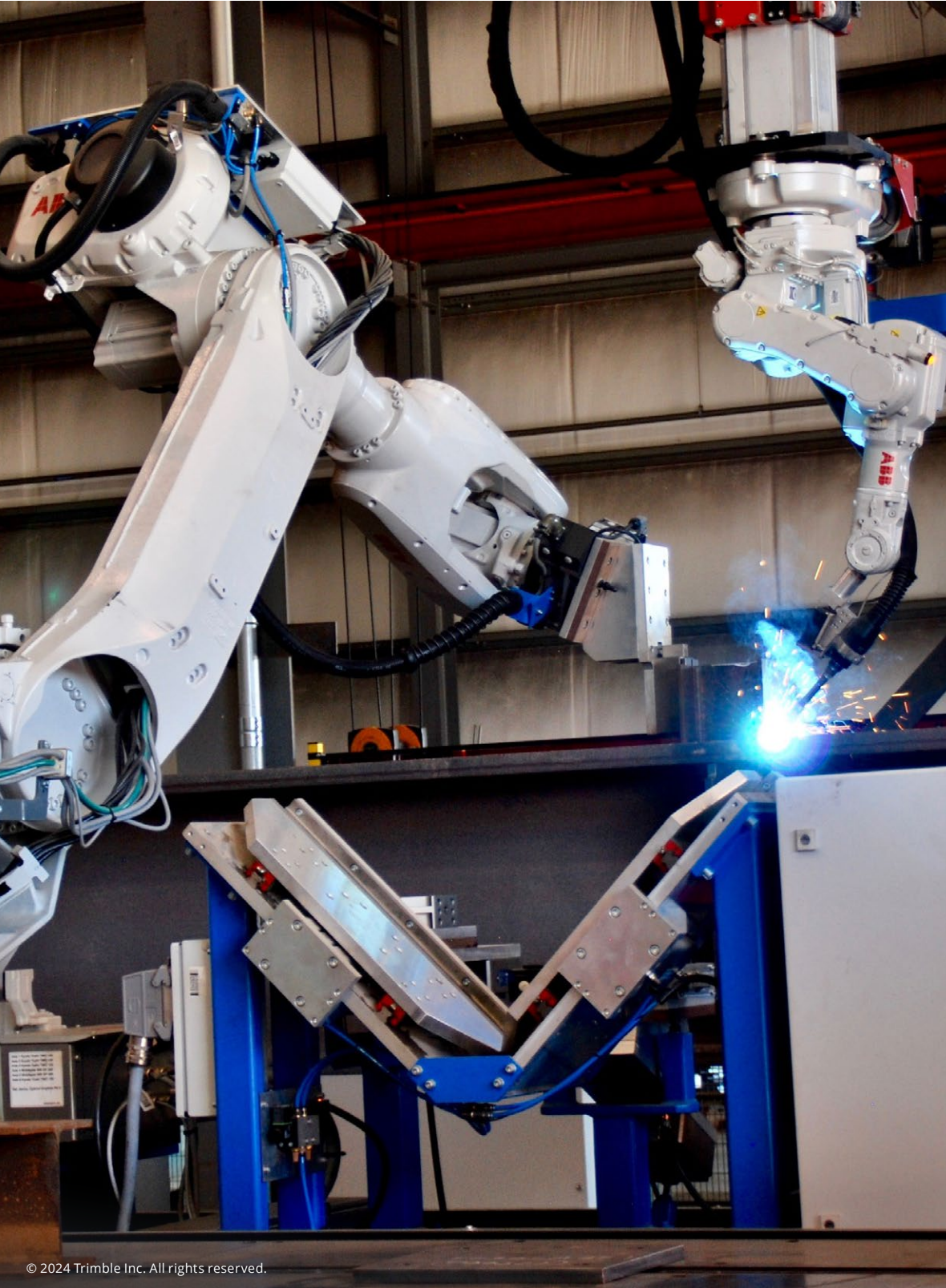
![DS - Dave Steel Company - A Walters Group Company]

How Dave Steel Company Leveraged Connected Trimble Solutions to Streamline Fabrication Workflows

For a data-driven company like Dave Steel Company, success boils down to a simple concept: the more accurate, timely and insightful data it has at its disposal, the more productive, adaptive and profitable it can be. When it needed to share data and connect workflows between its Trimble Viewpoint ERP and Trimble Tekla® PowerFab solutions, the company moved to the cloud with the connected Trimble Construction One suite. Now, Dave Steel Company can instantly share data like purchase order and job costing information between its ERP and PowerFab without manual administrative efforts or data rekeying, saving valuable time and achieving more accurate, timely data across all projects and allowing the company to make more actionable decisions in real-time to boost profitability.

"The best decisions are based on data and the riskiest decisions are based on intuition," said Dave Steel Company Executive Vice President Babette Freund. "Any time you can maximize technology use and combine that with empowering your team to not just do a job or push a button, but truly understand what they're doing and why, you've given yourself a competitive advantage."

▶ Read the full Dave Steel Company story.
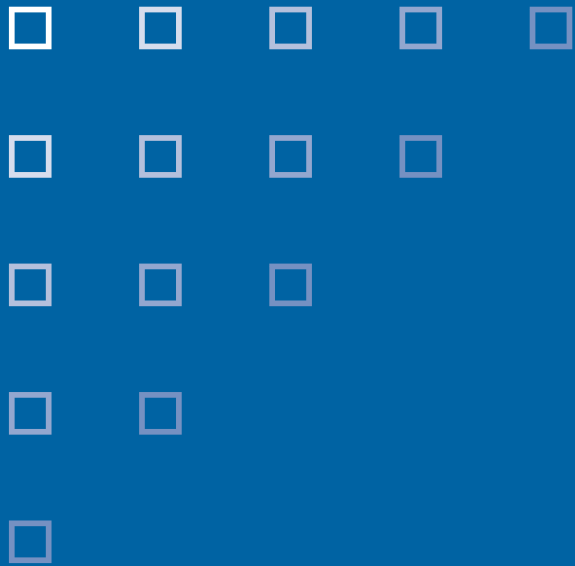
Accounting

Automatic Invoicing

Automatic Invoicing lets cloud customers turn PDF invoices into validated, vendor invoice entries in Spectrum, with minimal manual entry. The Automatic Invoicing feature was developed using more than 10,000 historical invoices and is available as part of Trimble Construction One.

1. Upload PDF invoices with an easy drag-and-drop capability, or forward them to an inbox.

2. Data from uploaded invoices automatically populates into fields, displayed side by side with the original invoice for verification.

3. Populated data is approved and sent to Spectrum as a new vendor invoice entry with a click of a button.

Save Time & Money: Let Automatic Invoicing do the work, so employees can focus on revenue generating activities instead of spending time entering information. Automatic Invoicing is built into the Office user license, so there's no need to purchase additional licenses.

Improve Data Accuracy: Reduce manual data entry, which is prone to errors (or moving slower to avoid errors). Future-proof your business with machine learning, which continues to get more accurate with time.
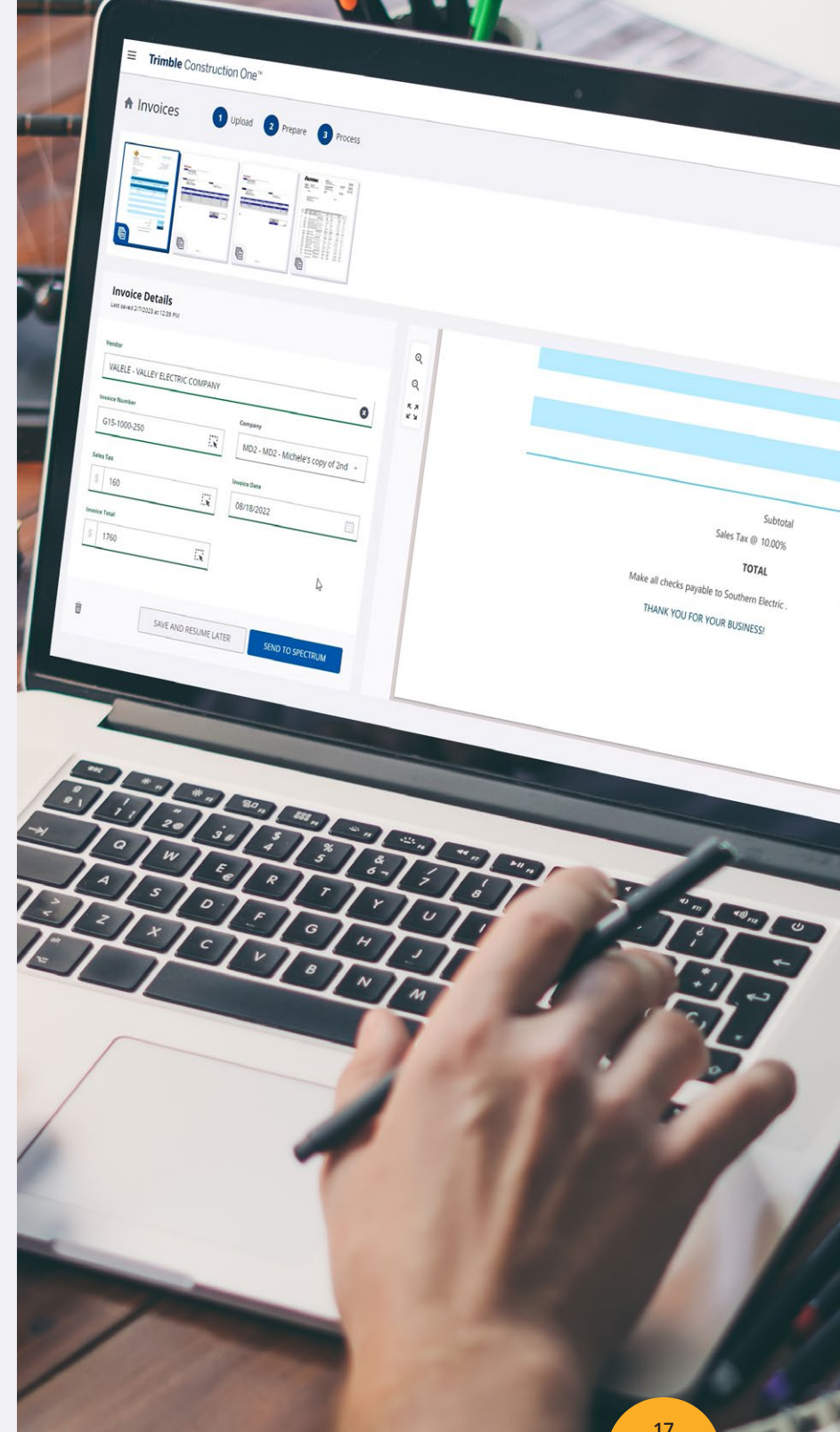
Complete Accounting— Built for Construction

At the core of Spectrum is a powerful accounting system, designed for construction. Spectrum's accounting features include:

- General Ledger

- Accounts Payable

- Accounts Receivable

- Job Cost

- Payroll

- Cash Management

- Job Billing

Spectrum's accounting solutions provide contractors with streamlined cost tracking and billing, backed by real-time data. Whether operating on a job cost/progress, cost-plus or time and materials basis, Spectrum makes it easy to manage cash flow, track profitability and make important financial decisions.

Total Control of Your Financial Data:

Providing multi-company and multi-level profit center reporting, Spectrum's General Ledger provides a rock-solid accounting foundation. Reports against your accounting data can include summary level reports with drill downs to detailed line items or variance reports comparing data to actuals, as you complete the budget and move through the financial year.

- On-screen inquiries and configurable account codes.

- Automatic journal entries.

- Supports account level budgeting, with reports to compare actuals to budget.

- Multiple reporting options:

  - Standard reports to easily view vital financial benchmarks with commonly used basic reports.

  - Presentation-quality financial reports with drill down capabilities.

  - Mutli-year budgeting and forecasting.

  - And more.

Get Paid Faster by Streamlining Your Accounts Receivable Processes:

Spectrum's Accounts Receivable module automatically generates and records invoices so the status of both customer accounts and contracts are available at all times. Seamless integration throughout Spectrum assures that the financial health of your business is always up to date, with built-in aging reporting so you always know where to focus billing attention.

- Seamless invoice processing, supporting multiple invoice types.

- Detailed accounts receivable reporting with on-screen drill down ability.

- Cash receipt tracking, with entries updated to Spectrum's Cash Management module for bank reconciliation.

- Intuitive customer management functionality.

Easily Manage Your Accounts Payable to Control Costs and Streamline Workflows:

Spectrum's comprehensive Accounts Payable functionality is built with contractors in mind. Designed to take discounts, hold retainage and analyze cash requirements, Spectrum lets you know where you stand with receivables in real-time. The Trimble ePayments solution provides you maximum flexibility to pay your vendors while providing you the ability to reap the rewards of virtual Mastercard payments. Invoice entry and check printing are built-in, and one-step posting streamlines data entry, improves accuracy and provides up-to-date cost data for management and control.

- Easily set up and maintain vendor information, with complete multi-company tracking.

- Trimble ePayments as a default vendor payment methodology.

- Seamless EFT payment processing and integration with credit card service providers.

- Eliminate double entry and errors with payment worksheets that easily interface to Accounts Payable from Subcontract Ledger, material suppliers and haulers.

- Improve payment process control with compliance tracking to warn of vendor/subcontractor issues.

- Ability to manage vendor invoices in multiple currencies.

- Save time and improve communication with vendors with flexible payment methods.

- Reduce paper and speed up review with invoice and document scanning.
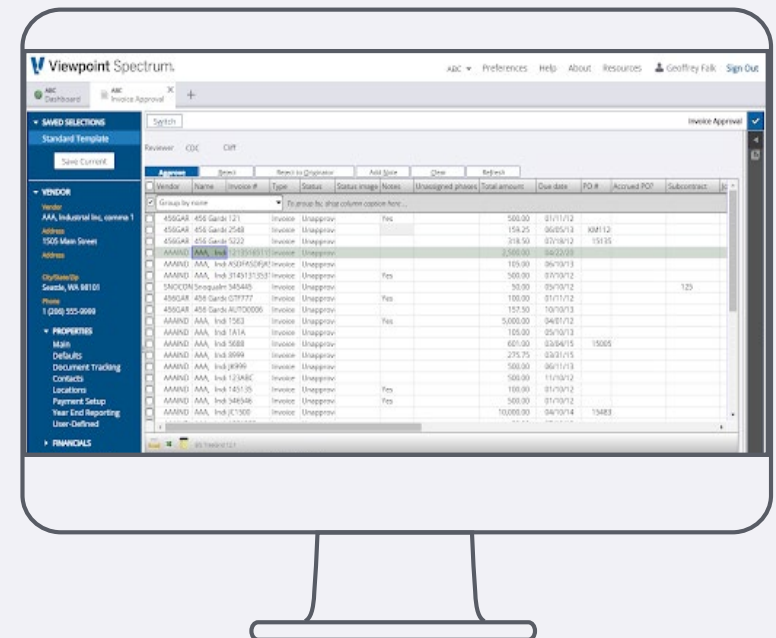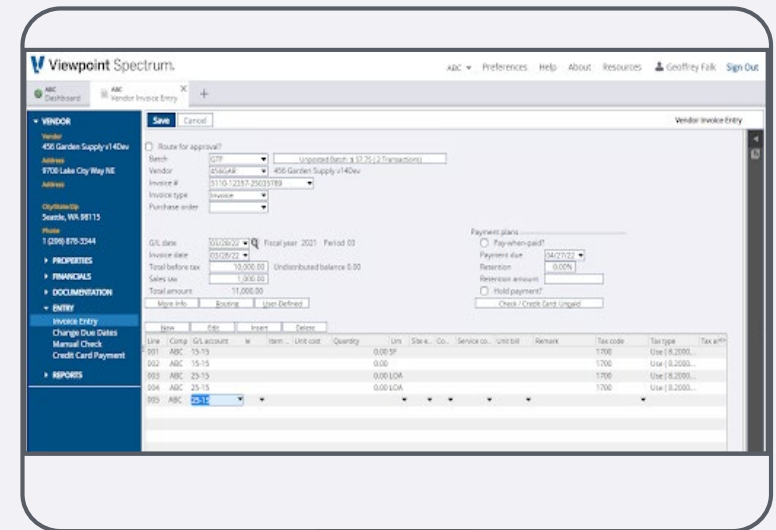
Trimble ePayments

Simplify Your AP Processes With Trimble ePayments

Trimble ePayments, powered by Corpay, transforms how construction companies manage accounts payable by reducing the process to a single step — and adds the potential to drive additional revenue through credit card rebate programs.

Fully integrated with Spectrum, Trimble ePayments enables you to easily send payments to vendors, while recording and tracking payments within Spectrum. The Trimble ePayments solution saves hours in paperwork, check distribution and bank reconciliation time. The decrease in processing and management time equates to consolidated AP payment processes, leading to greater visibility into and control over your construction projects. Together with the virtual card rebate program, the ePayments solution transforms your accounts payables department from a cost center to a profit center.

▶ Learn how!

Know Where You Stand With 24/7 Cash Management:

Handle checks and deposits in multiple bank accounts and know your current checkbook balance the instant new entries are made, with data automatically posted to the General Ledger.

- Automated cash management tracking and analysis at your fingertips.
- Simple bank reconciliation for clearing checks, deposits and adjustments.
- On-screen or printed report capabilities.
- Strong security measures and access permission control at the bank account level for all personnel.

Get to the Heart of Managing Better Job Profitability With Powerful Job Costing:

Job Cost is at the core of Spectrum. Designed to deliver integrated, timely and accurate accounting and operations information on the progress of jobs, Job Cost provides an extensive library of reports and drill-down inquiries. Enter job budgets and change orders directly in Job Cost, or import from various estimating solutions, including several from Trimble.

Committed costs are established as the job "buyout" flows through the Purchase Order and Subcontract modules and actual costs are updated from Payroll, Accounts Payable, Equipment Management, Inventory and Material Sales.

Drill Down Into Your Projects

- Report and update job progress in units or percent complete.

- View immediate cost information and detailed breakdowns to assure every project is under budget and profitable.

- Flexible multi-part phase codes to allow job numbers and phase numbers to be defined with different levels or parts.

- Detailed tracking of job or contract items, change orders, labor, equipment and materials, and much more.

- Comprehensive reporting with drill-down ability in reports for a closer look into your projects.

- User-defined notes and memo fields built into the system to track miscellaneous information.

Simplified Billing

Bill by job progress, time and materials or at the labor, equipment and subcontractor level with ease.

- Initialize owner pay estimates based on percentage complete.

- Enable easy retainage or holdback tracking and release.

HATZEL & BUEHLER, INC.
Electrical Construction Since 1884

Hatzel & Buehler
Modernizes its Operations With Trimble Construction One Spectrum

Electrical contractor Hatzel & Buehler is a known name on the East Coast. The company's roots date back to 1884 and started out working with Thomas Edison. Since then, it has grown into a powerhouse electrical contractor. When the company outgrew its patchworked 1980s accounting and construction software, however, it turned to Viewpoint's Spectrum solution to modernize its operations.

The result? A complete construction management package solution that connected its people, projects and processes, bringing the accounting and operations teams together for real-time data and workflows … and real-time results.

▶ Read the full Hatzel & Buehler story.

![Trimble Pay logo]

Trimble Pay streamlines the flow of compliance and payment information between general contractors and subcontractors, making it fast and easy to collect accurate:

- Payments Applications

- Lien Waivers

- Billing Information

- Compliance Documents

General contractors can now effortlessly automate the subcontractor payment process. Streamline manual workflows, reduce financial risk, and tackle more projects with Trimble Pay.

Best of all, Trimble Pay integrates with your Spectrum accounting software to reduce double data entry. You can use Trimble Pay + Spectrum together to leverage the complete end-to-end payment process, from subcontractor onboarding all the way through payment transaction.
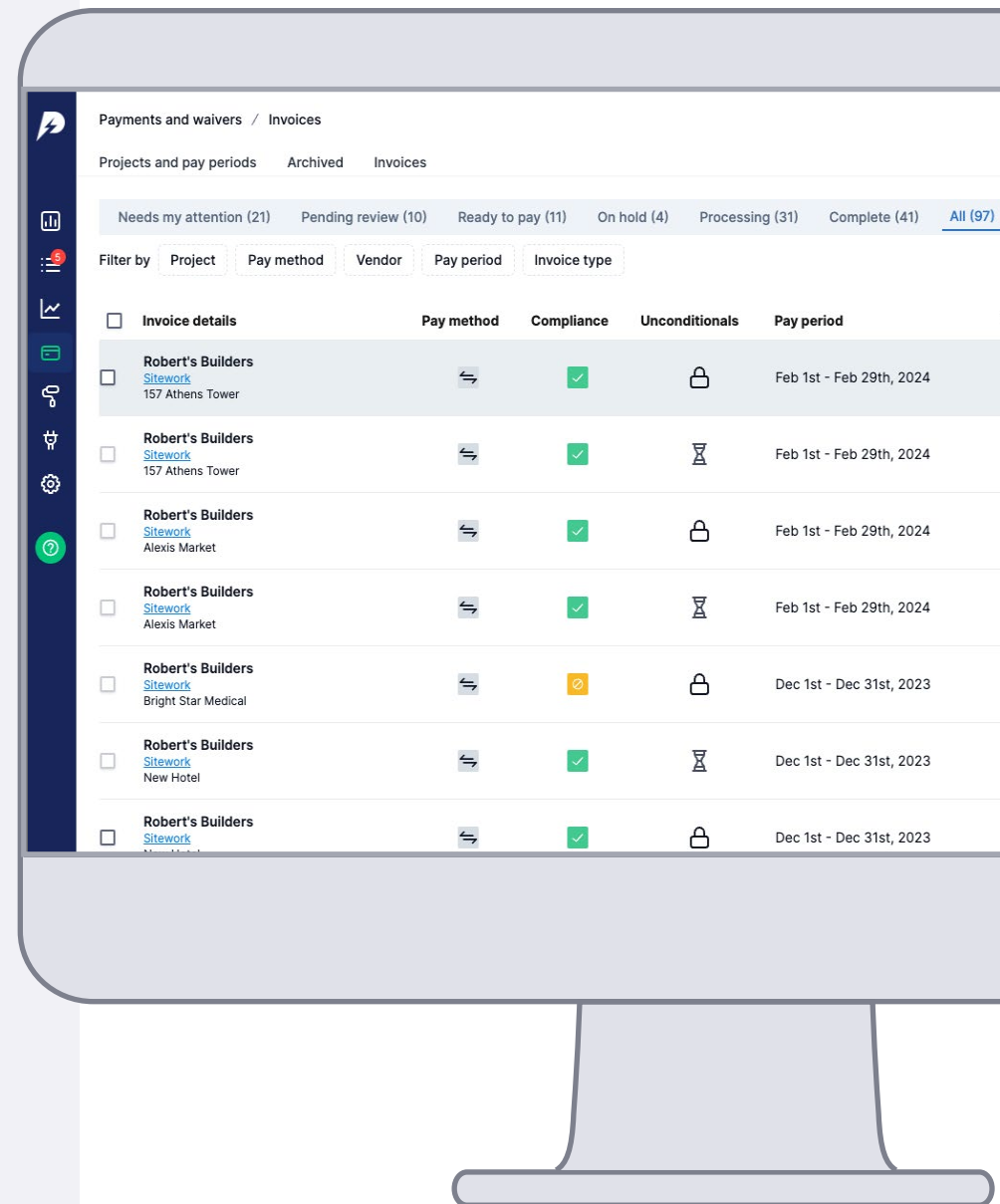
Operations & Project Management

Gain Control of Your Projects

Trimble Construction One, with Spectrum at the center, has everything you need to take complete control of your operations and project management in real-time, with measurable results. From pre-construction through project closeout, Trimble Construction One provides contractors with deep levels of project insight, backed by accurate, up-to-date data and workflows.

Immediately know whether a project is on track or behind by easily viewing submittals, RFIs, potential issues and much more as work occurs rather than weeks or even months later. This helps you mitigate risks, complete projects on time and on budget, save costly overhead and boost profit margins.

Streamline Your Job Setup Process:

With integrated workflows between project management and accounting, Trimble Construction One simplifies project setup. Customers, vendors, phase codes and projects are linked together to:

- Avoid duplicate entry and unnecessary data entry errors.

- Ability to rearrange the detailed estimate into the manner in which the PM wants to manage.

Streamline Project Management Tasks and Workflows:

Trimble Construction One's powerful ProjectSight™ Project Management is easy-to-use, reflects real world construction workflows and processes, and is integrated with Spectrum's Accounting and Project Management modules — improving operational efficiencies, streamlining processes and eliminating double entry leading to more profitable projects. Project information is at your fingertips. Project managers are able to view, analyze and make decisions with critical data such as forecast cost to complete, budget overruns, unapproved change requests, unanswered RFIs, overdue submittals and revised specifications.

- Automatically mine information regarding subcontractors, suppliers, vendors, materials crews, equipment, personnel and much more.

- Built-in Inquiry tool provides you quick access to information and offers drill-through capabilities.

- Upload estimating data into Project Management from Trimble estimating solutions, as well as a wide variety of third-party estimating software packages.

- Complete document and compliance tracking, including submittals, RFIs, daily logs, punch lists and licensing and bonding documentation.

- Reduce profit fade on projects by staying ahead of the scope of changes and cost impacts on your project in real-time.

- Speed up quality work by ensuring timely data is communicated quickly.

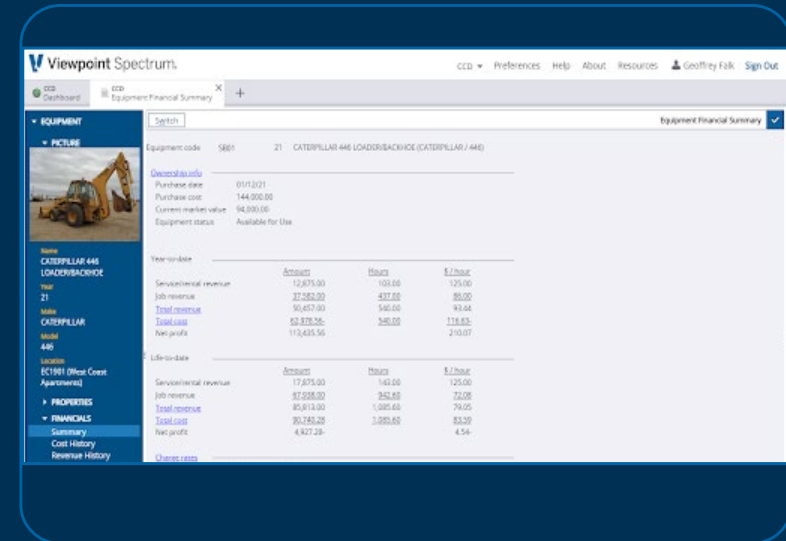## Simplify Your Purchasing Process:

Establish an orderly workflow to your purchasing process from point of initial request, through soliciting vendor quotes, to final review, approval and issuance with Spectrum's Purchase Order module. Fully integrated throughout Spectrum, Purchase Order helps you easily manage inventory and workflows at either the accounting level or company-wide to track and monitor commitments, shipments, and expenses.

- Achieve better job cost and payables control.

- Simplify workflows and set up processes like inventory scans to preorder needed items when stocks are low.

- Drill down capabilities into purchase orders with customizable sorting.

Find Your Equipment Management 'Sweet Spot':

Heavy machinery and equipment are some of the biggest capital assets contractors have, and effectively managing these assets to maximize their life cycles is vital. Spectrum helps equipment managers better identify where their equipment "sweet spot" lies to better understand when equipment usage, maintenance and repairs are costing more than asset replacement.

- Single-step data entry into Spectrum.

- Flexible revenue rates for each piece of equipment and category.

- Easily track location for equipment movement.

- View monthly calculations of book depreciation with. fixed asset schedules.

- Scheduling and preventative maintenance alerts, with detailed maintenance schedules, parts and labor management.

True Project Collaboration With ProjectSight

As part of the Trimble Construction One suite, ProjectSight is a powerful, collaborative construction project management solution, integrated with Spectrum's project management and accounting modules. ProjectSight connects the back office and field operations with your extended team of subcontractors, suppliers, architects and owners. This allows your PMs to manage their projects collaboratively, in the field, without the need to log in to Spectrum, increasing speed, reducing risk, and providing greater confidence.

ProjectSight Provides:

- Complete document control, including daily logs, submittals, RFIs, issues, closeout and handoff documents and more.

- Automated workflows and alerts letting each project stakeholder know when the ball is in their court.

- A single location for construction ready drawings and also includes mobile markup and sheet comparisons so drawings can be analyzed and updated quickly from any location.

▶ Learn more about ProjectSight or see Page 45 for more information.

Hunter Contracting Streamlines Estimating, Project Management with Spectrum

Hunter Contracting is an award-winning heavy highway and civil construction firm known for big projects throughout the Phoenix metro area. When it needed to streamline its project management processes and provide its project managers and in-field teams with real-time project data and job costing, the company turned to Spectrum to get the job done.

Today, Hunter Contracting can conduct real-time cost analysis anywhere, any time. And, it can dive deeper into its data to better understand its projects and forecast future work, allowing it to bid smarter and win more work.

"We need to deliver very accurate and timely bids," said Bob Carlson, Hunter Contracting's vice president of estimating. "We use Spectrum across the full lifecycle of our projects, from estimating to job costs to time cards...the biggest impact we've had in estimating is being able to pull all of this information together from across projects so we have a very good idea of what our historical production is."
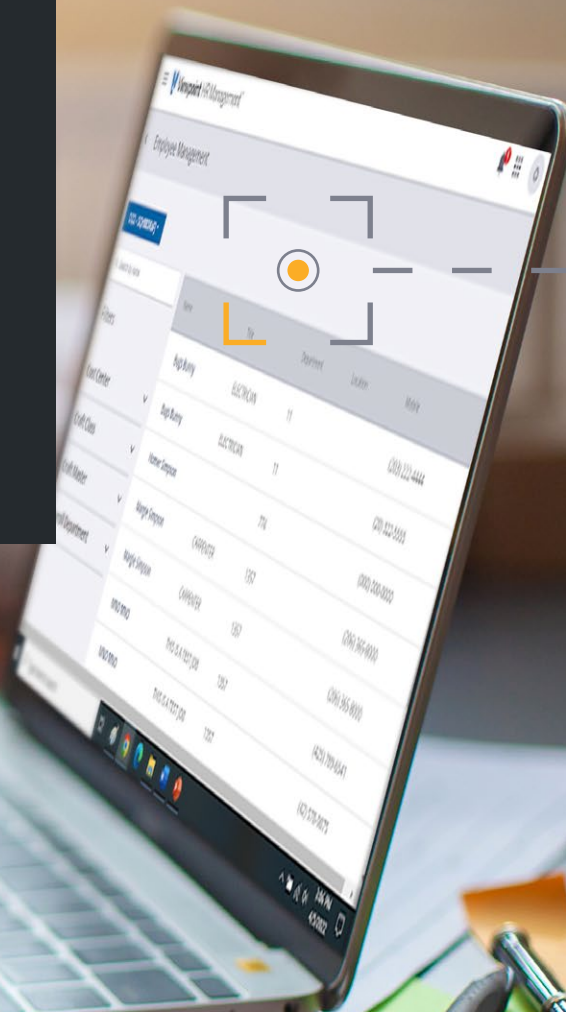
▶ Watch Hunter Contracting's full story.
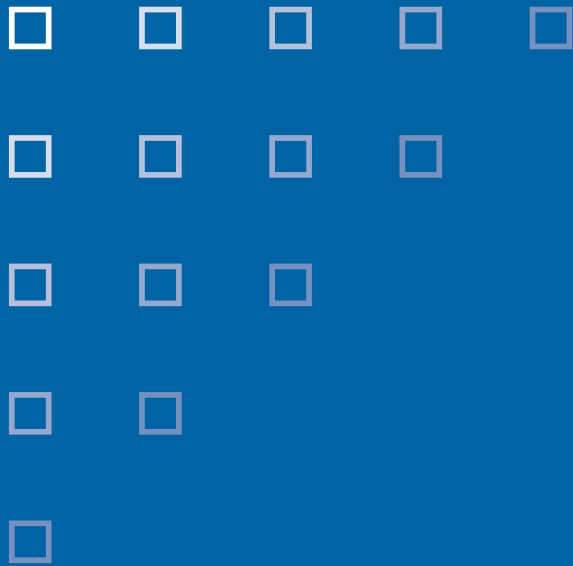
HR & Payroll

Construction HR Management, Simplified

Your employees are your most vital asset. Spectrum allows you to streamline your everyday human resources management and efficiently facilitate complex payroll processes. Keep employees informed, processes moving and your workforce happy.

Simplify Management of People and Reporting Requirements:

Spectrum's Human Resources module is designed to help manage both people and reporting requirements. An open database structure provides maximum flexibility in sorting and reporting data, and the integration with the Payroll module keeps data synchronized.

Create a secure, confidential virtual filing cabinet of all employee data, records and tracking information, with the ability to pull up and adjust records in real-time rather than sifting through mountains of paperwork.

- Easily organize all personnel data for entire employee lifecycle.
- Effectively track applicant and employee data.
- Automatically update skills, certifications, safety records, drug testing and much more.
- Streamline salary and benefit tracking.
- Synchronized data updates between Human Resources and Payroll in real-time.

Reduce Typical Payroll Headaches:

Spectrum features a flexible Payroll module that adapts to all of your construction needs. From automating complex union payroll processes to untangling multi-state, multi-company work, to compliance with federal, state and contractual requirements, Spectrum makes it easy to streamline payroll processes across your organization.

Multiple users can enter information directly from time cards onto one screen, capturing all information required to produce payroll checks, tax and insurance reports, plus union and certified reports. Batch entry and easy editing make corrections simple—online prompts eliminate the need for stacks of reference printouts. Payroll also includes fast information processing delivering detailed job cost reports at any time interval required.

- Reduce the amount of time and effort required to process payroll.

- Streamlined time card management.

- Multi-company and multinational functionality.

- Efficiently track and share employee expenses across integrated modules, including HR Management, Job Cost, General Ledger, Equipment Management and Cash Management.

- Flexible payroll calculation methods.

- Simplify federal and state regulatory compliance with electronic filing.

- Ability to process payroll in multiple currencies.

Simplify Timecard Capture From the Field With Traqspera Field

Easily capture and enter labor time directly to Spectrum from a mobile device. Traqspera Field is an easy-to-use tool for managing labor and equipment time from the job site, while also integrating with Spectrum to provide real-time payroll data and job cost reports. This tool digitizes and simplifies the time card collection processes, removing paper, double-entry, and manual processes from the equation. With a streamlined digital process, you can increase the speed and accuracy of your payroll.

Staff in the field can seamlessly enter, track, and manage labor hours, equipment usage, and materials usage with our easy-to-use Traqspera Field mobile app, available in English and Spanish for iOS or Android™ devices.

Traqspera Field can capture labor time across multiple crews, jobs, and job phases in one day. Labor time can be entered one of three ways: on a crew timesheet submitted by a supervisor, on an individual timesheet, or using the clock in/clock out capability. Supervisors in the office can approve and edit timesheets before syncing the data directly to Spectrum.

The Traqspera Field app can also capture electronic signatures in-field to meet state and local regulatory standards. It can even handle complex union and wage codes to ensure that payroll is accurate for every employee on every job.

Viewpoint HR Management™
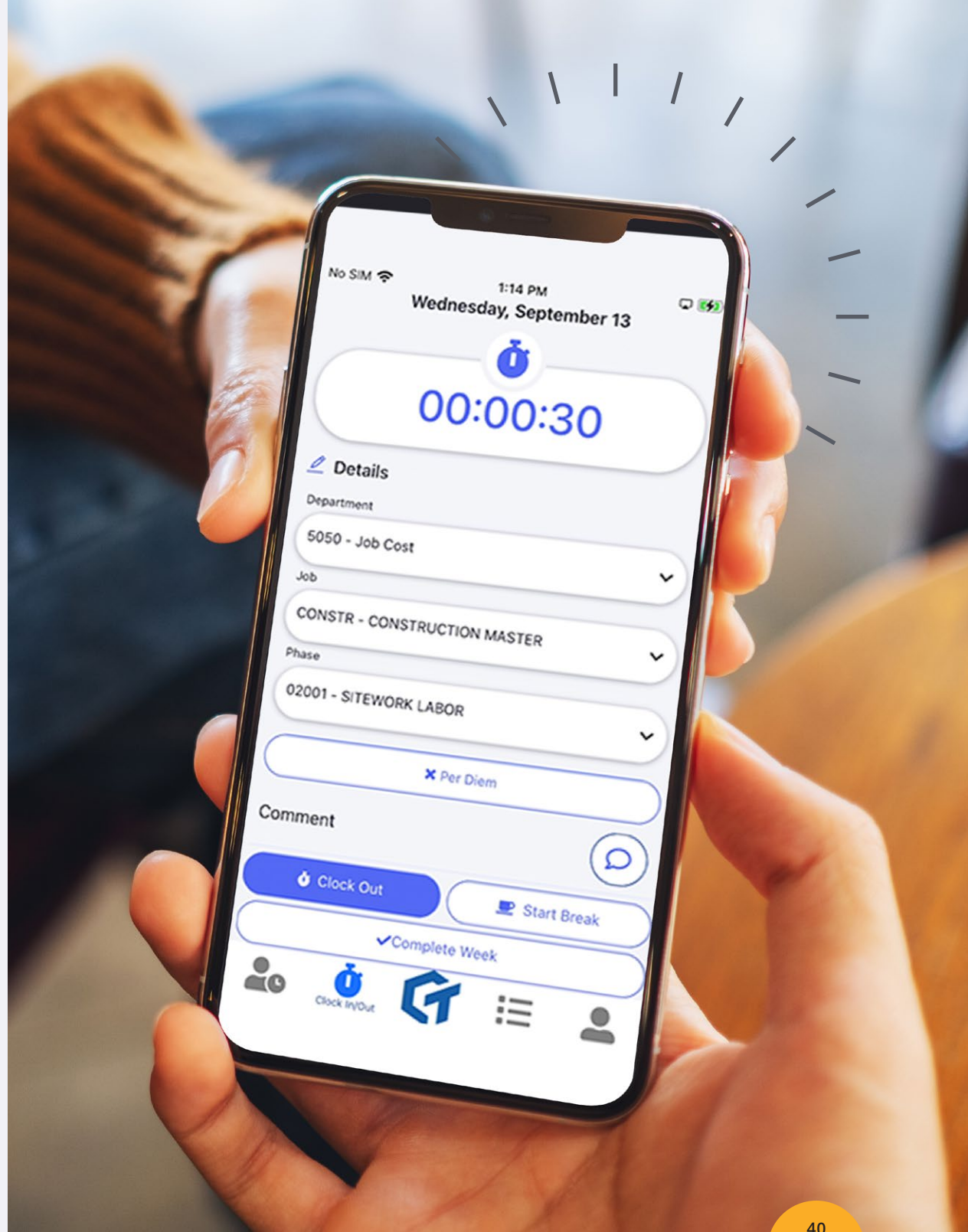
A Complete HR Solution Made Specifically for Construction

Recruiting - Onboarding - Timesheets - Time Off - Expenses - Paystubs - Safety

Construction is unlike any other industry, so you want an HR system that understands the importance of quick onboarding, timesheets tied to jobs and phases, and compliance. And you want it tied at the hip to everything you're doing in your Spectrum ERP.

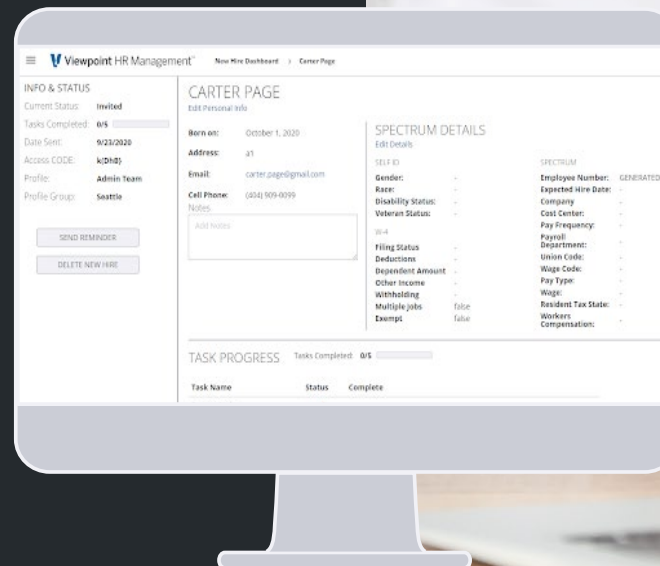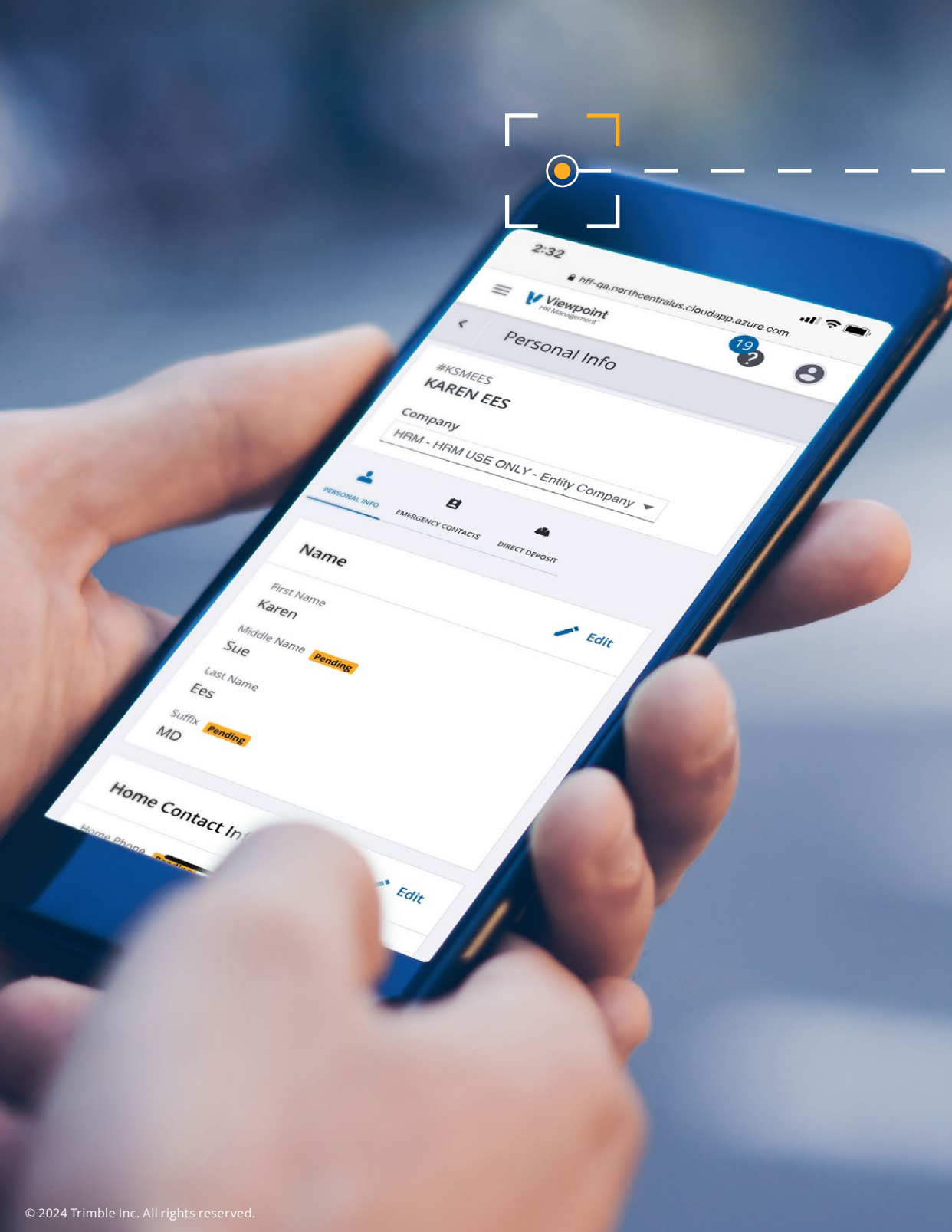## Viewpoint HR Management™ for Spectrum

Employees

- Easy-to-use mobile first experience.
- All digital application and onboarding.
- Update contact info, direct deposit and more.
- Quick reimbursement tool in the same app.
- Timesheets for jobs and internal work orders.

HR Admins and Payroll

- Fast and flexible timesheet approvals.
- Onboarding automations for new hires and HR reviews.
- Always in sync with Spectrum.
- Expense management tied to jobs or overhead.
- Reviews, approvals and audit trails for compliance.

▶ Learn more about [Viewpoint HR Management.](#)

5 Reasons Construction Pros Love Viewpoint HR Management and 5 More Reasons Spectrum Users Should Add It

Construction human resources teams are often over-burdened as they have to process mountains of personnel paperwork and payroll. Technology is helping automate processes, alleviating the typical construction HR headaches and lets HR professionals refocus on other critical HR efforts like training, career development and retention. Solving these challenges lowers risks associated with hiring practices, helps companies stay consistent and compliant with regulations and increases employee satisfaction—all of which have a significant impact on the company's bottom line.

Read five reasons why Viewpoint HR Management users rave about what it's helped them do, and click below for five more reasons Spectrum clients should add Viewpoint HR Management today.

▶ 5 Reasons Spectrum Clients Should Add Viewpoint HR Management

Project Delivery

True Construction Collaboration

Your projects are the most productive and profitable when everyone on your extended project team is working from the same page of the project plan—in real-time. Spectrum was designed to simplify the complex collaboration processes around construction, connecting people with the documents they need, when they need them, and facilitating streamlined processes to ensure data is accurate and timely and work is done correctly the first time.

Move Beyond Paper and Get the Real-Time Data You Need by Digitizing:

Better collaboration begins with documents—the life blood of any construction project. The Trimble Construction One Spectrum suite provides powerful, built-in document management tools to scan, store and share project documents. Adding a scanned document to the system automatically indexes it to the information in Spectrum and associates the image to your data records throughout the system. Batch scanning allows multiple documents to be scanned consecutively and held in a temporary directory, speeding up and simplifying the scanning and processing of groups of documents.

- Increase accessibility of your documents by providing easy-to-update digital versions.

- Reduce costs of handling, storing and duplicating paper documents.

- Improve internal efficiency by reducing the time your employees spend locating documents and files.

- Avoid having to reproduce lost documents.

Connect the Office, Field and All Project Stakeholders with ProjectSight:

A cloud-based collaborative project management solution, ProjectSight connects back office and field operations with your extended team of subcontractors, suppliers, architects, owners, and more, right out of the box.

Integrated with Spectrum as part of the Trimble Construction One suite, ProjectSight is the solution project managers have been waiting for. It's a powerful, easy-to-use core toolset for planning, coordinating, and exercising tight control over projects. With ProjectSight, you can:

- Monitor, capture and address issues on projects to mitigate project risks.

- Avoid delays, confusion, and rework with easily generated RFIs for project questions and clarifications—directed to and answered by the correct person in real-time.

- Simplify the arduous submittal process with secure and collaborative workflows for issuing, reviewing, and closing out submittals.

- Capture more accurate daily logs from jobsites and benefit from powerful web and mobile management and tracking capabilities to ensure a complete record in the event of dispute or litigation.

- Complete document control, with real-time sharing, alerts and versioning control—even for large documents like drawings, plans and specifications.
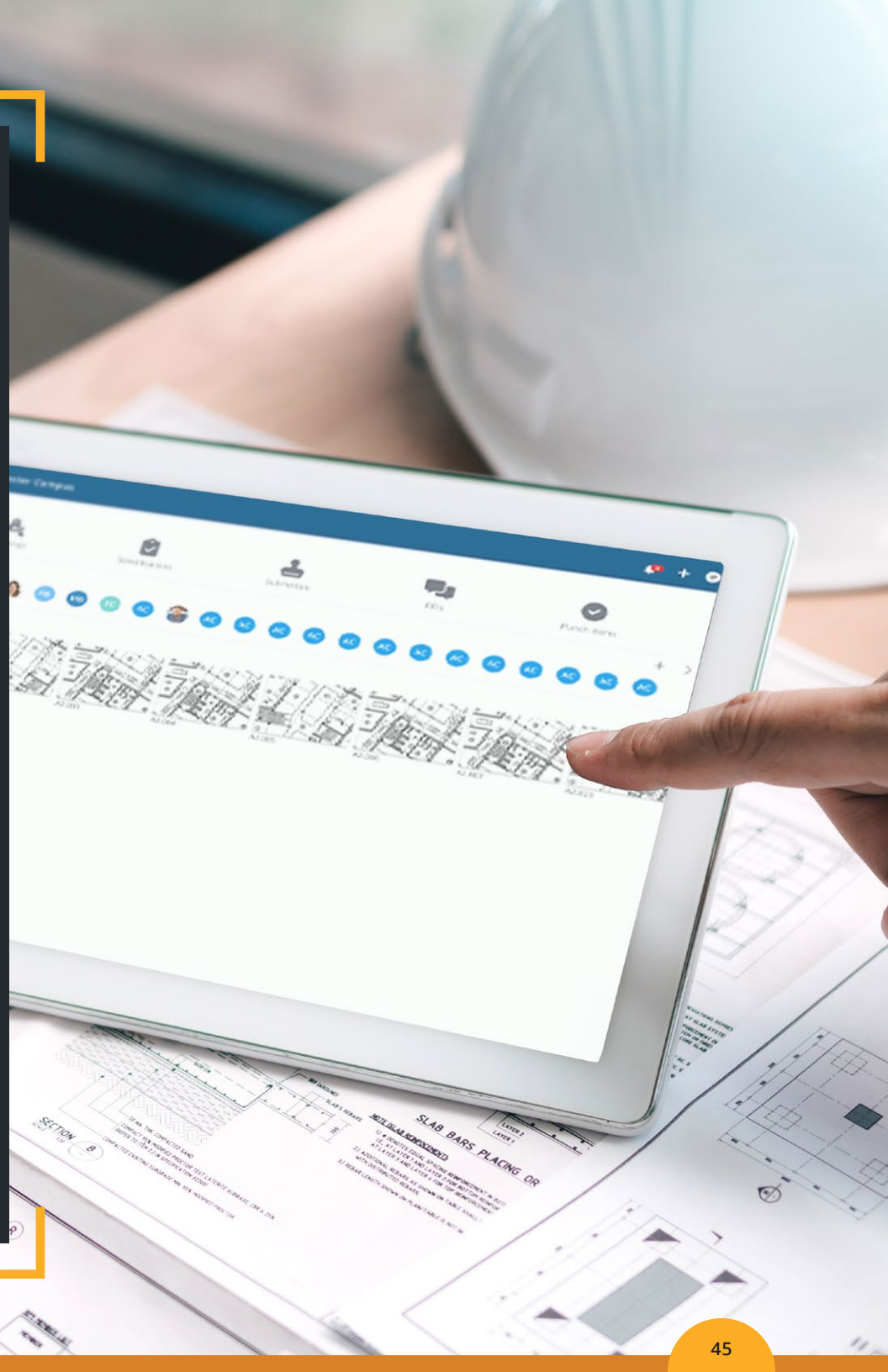
How Scott Builders Standardized Operations by Connecting the Office and Field

Red Deer, Alberta-based Scott Builders needed to streamline its data and processes between the back office and its project teams out in the field—in real-time. Trimble Viewpoint's Spectrum solution provided the technology path that closed that gap between the office and field by leveraging the cloud to democratize construction data and extend it to all project stakeholders.

"Now, we can look over project information on site, make changes, pay bills-everything-because the information is there at our fingertips," said Dallas Williams, general manager of the company's Red Deer office. "We can now do the sort of detailed, on-site analysis we could never have done before the cloud and before Spectrum."

▶ Read the full Scott Builders story.
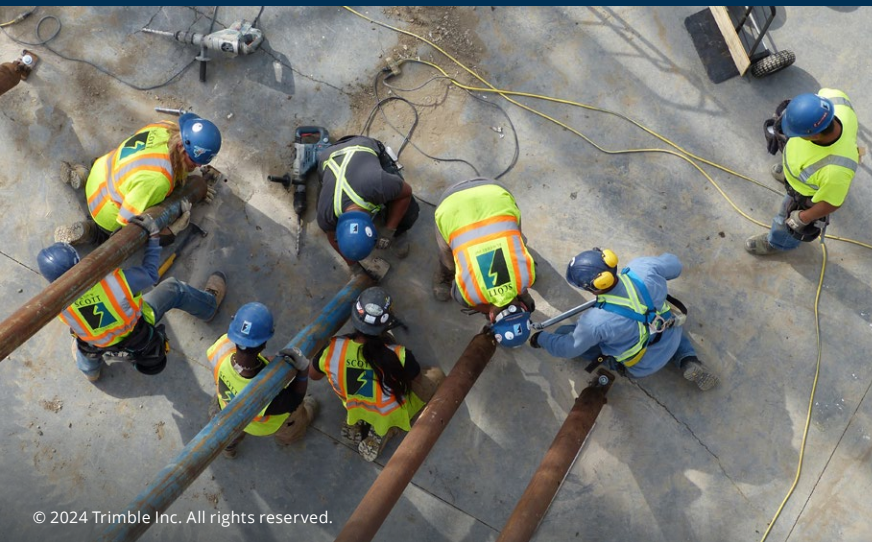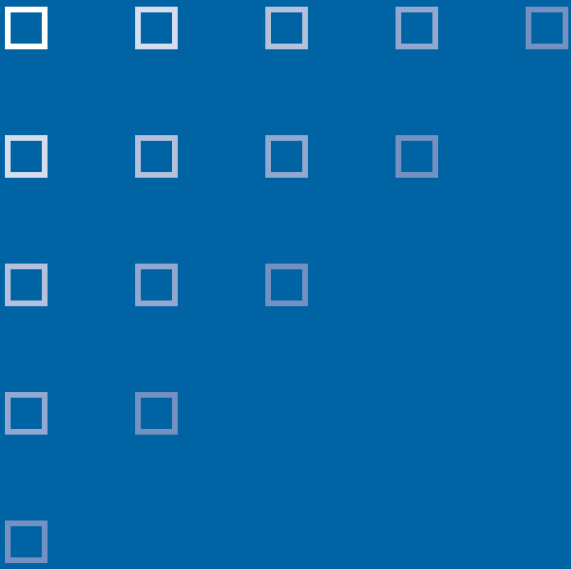
Service Management

Streamlined Service Workflows

If your contracting business includes a service element, then you know keeping your clients not just satisfied, but thrilled with the experience you provide is critical to your long-term success. And that all boils down to how you manage your service processes.

Spectrum was designed with service contractors in mind. From integrated tools to manage service agreements to intuitive dispatching capabilities to mobile-enabled work order management solutions, the Trimble Construction One Spectrum suite has everything a service contractor needs to streamline back-office processes, while simultaneously empowering your technicians in the field to perform stellar service work.

Effectively Manage Your Entire Service Agreements Process:

Take all the guesswork out of service agreement management and eliminate the potential for oversight with Spectrum's built-in service management module, including quoting, pricing, renewals, scheduling and periodic billing functionality. Automate scheduling of routine maintenance work for each customer and facilitate agreement-based billing.

Automatically generate work orders directly from the maintenance schedule. Easily track add-on work as it occurs against the agreements for a complete account of all revenue driven by the agreement, providing a more accurate depiction of profitability.

- Stay on top of maintenance work, with a continual real-time backlog of all work that is current due, past due and upcoming for all active agreements; auto-generate maintenance work orders from this backlog as needed.

- Streamline tracking maintenance on equipment and define maintenance schedules and the tasks to be performed.

- Easily facilitate renewals, with alerts for expiring agreements.

- Simplify your service billing, with the flexibility to bill your customers as they require — whether annually, monthly or on a customized schedule.

- In-depth profitability tracking and the ability to track and factor in work outside of the scope of service agreements.

Facilitate Rapid Response to Customer Calls With an Interactive Dispatch Board:

Use Spectrum's intuitive drag-and-drop dispatch board to provide a comprehensive view of all work needed to be performed and the available resources to perform the work. Schedule work orders across days or for a particular time within a given day and view work orders that are overdue or have an incomplete status from a prior day.

- Simple drag-and-drop functionality makes scheduling and dispatching easy.

- Access details about each technician's skillset or specialization.

- Easily reference key information about the customer or site.

- Alerts, messages and controls ensure the dispatcher has all the information needed to respond to the customer quickly and accurately.

- Quick reference panel brings relevant information about a highlighted item (e.g., work order) to your fingertips.

Simplify Work Order Management:

Spectrum's Service Tech Mobile expands service management capabilities in the field, allowing your technicians to easily create, assign and manage service work orders, capture electronic signatures from clients, quickly process invoices and purchase orders and much more—increasing field technician productivity and leading to quicker, more accurate billing, improved quality and customer experiences, and increased cash flow.

With Service Tech, technicians can provide comprehensive, relevant data in real-time — without the need to call back to the office.

UNITY ELECTRIC
CONTRACTORS & ENGINEERS
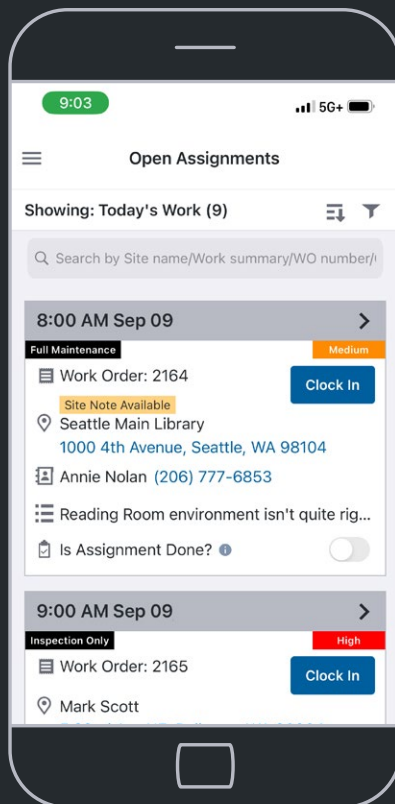
Unity Electric Discusses Benefits of Service Tech Mobile

Janessa Pingatore, project manager for Seattle-base Unity Electric, talks about her company's transition to Service Tech Mobile for its technicians.

"Now…they're able to change things and statuses and get it out of their main screen, and they know what they're working on when they clock in every day."

▶ Watch the Unity Electric interview
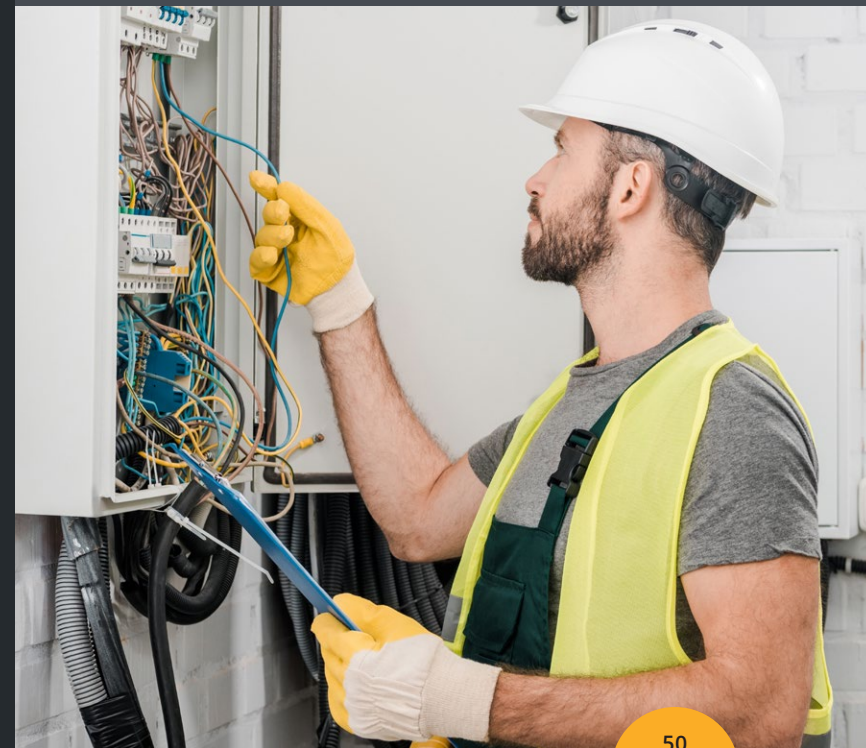
Before starting the day, technicians can see all work orders assigned to them, add and read related notes about the jobsite or customer, and access maps for directions to jobsites. Once working, technicians can make notes about the jobsite or equipment, record time on jobs or service sites, upload photos and more.

- Create new work orders directly from the field, quickly enter work order information in Spectrum and create or change work orders as needed.

- Flexible scheduling for one or more technicians for a work order; easily re-schedule as needed, track trip progress and completion.

- Easily capture costs—including "other" charges— with a customer sign-off process in the app to ensure accuracy.

- Flexible billing capabilities, including partial billing, the ability to bill a work order more than once, multiple work order billing, and even collect credit card payments onsite with a Stripe integration.

- Capture electronic signatures for work order approval in the field for faster processing and invoicing.

- Detailed reporting, including productivity and profitability, and ability to tie revenue and costs to your general ledger.
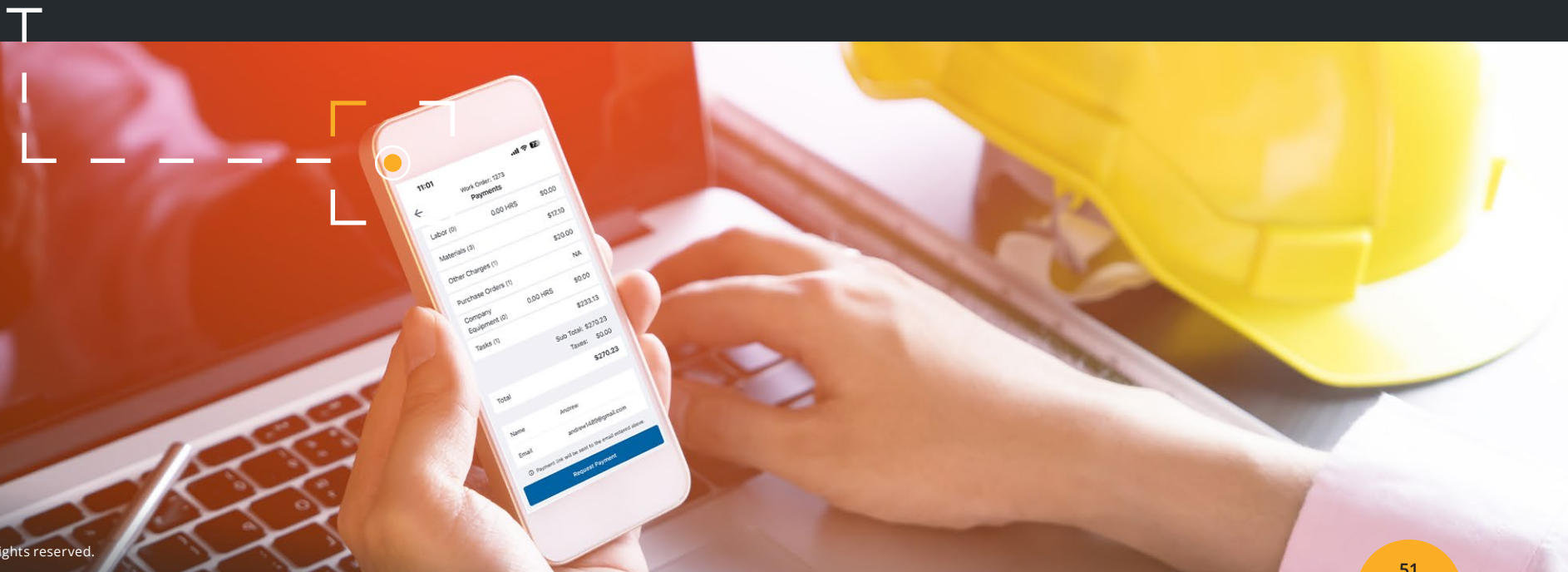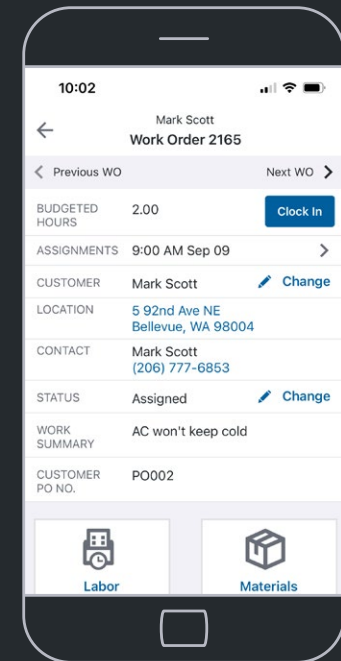
Materials Management & Inventory Control

Modern Materials Management

Preventing material waste is among the toughest — and costliest — challenges your organization can face. With so many moving parts on projects today, it's easy to overlook just how your materials, parts, tools and more are being utilized and accounted for. Take control with Spectrum's powerful, user-friendly Materials Management and Inventory Control modules.
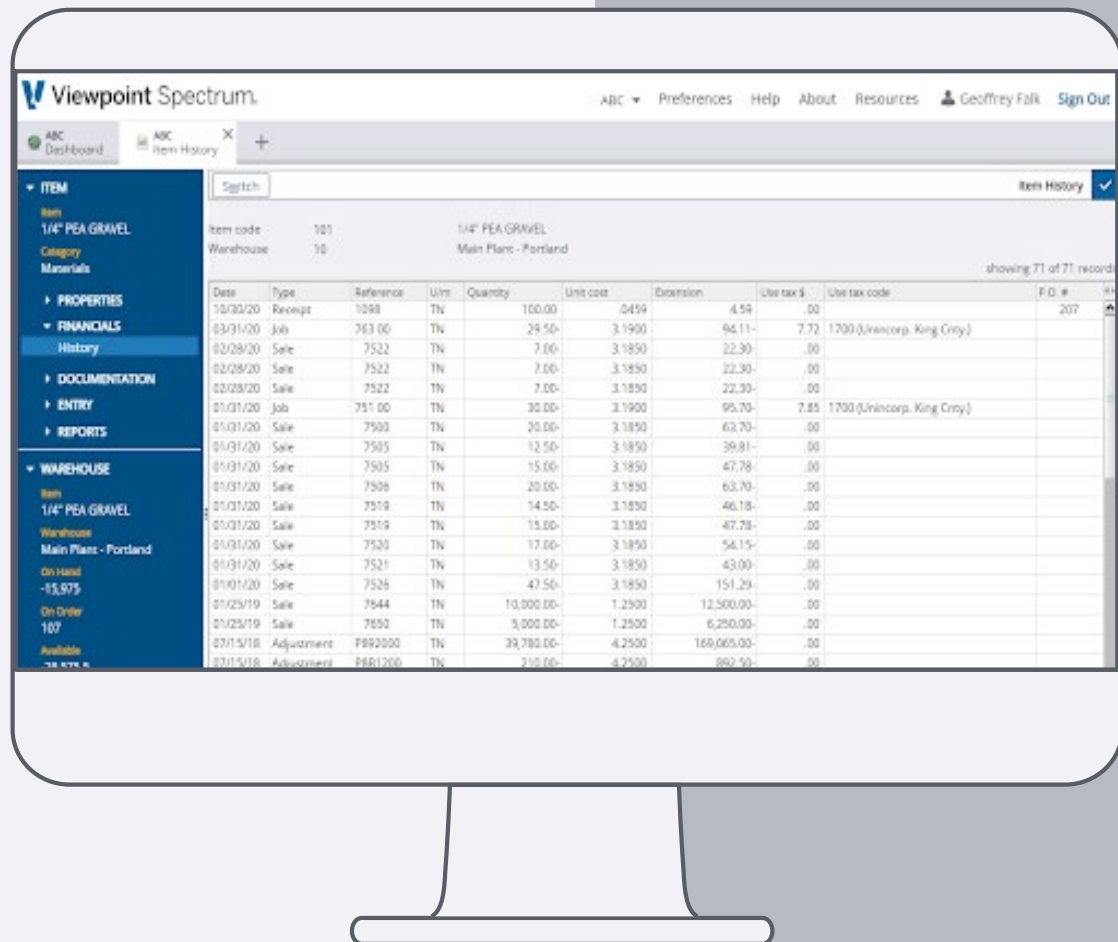
Built into Spectrum and sharing data across the Trimble Construction One suite, the Materials Management and Inventory Control solutions help you reduce costs and improve cash flow, visibility and decision making.

Achieve Total Inventory Control

Whether tracking inventory for sale to customers or for use on your own projects, Spectrum's Inventory Control module helps you optimize the flow of goods and shortens routes within your warehouse, distribution center or other inventory procurement channels.

- Reduce costs for warehousing, transportation, order fulfillment, and material handling – while improving customer service.

- Track inventory and costs across multiple locations, with automatic updates recorded to Job Cost and General Ledger modules when inventory materials are used.

- Easy-to-update workflows for material and inventory counts.

- Automated material order recording.

- Full reporting functionality, including a complete history of inventory transactions.

Automate Your Materials Sales and Tracking Processes:

Spectrum's Materials Management module is a full-featured order processing, materials tracking and transportation management system for contractors who produce and sell materials. Used in conjunction with Spectrum's Job Cost, Equipment Management, and Inventory modules, Materials Management eliminates duplicate entry and streamlines your materials information flow.

- Easy material ticket entry processing, with ability to upload from scale ticketing systems.
- Seamlessly track quoted, ordered and actual units sold.
- Automatically generate and track surcharges for fuel and other fees.
- Track raw materials inventories and easily manage inter-company sales and inter-plant transfers.
- Track both owned equipment and independent haulers—charges assigned per unit, per hour, or per load.


MCM | MIDWEST CONCRETE MATERIALS, INC.

Midwest Concrete Materials, Inc. Increases Materials Efficiency With Spectrum

Midwest Concrete Materials, Inc. had been using a solution where security and audit trails were virtually nonexistent. On almost a daily basis, the company manually made billing adjustments, corrected mistakes or re-entered information that wasn't entered correctly the first time. The company's search for better software led to Spectrum, which featured more robust materials management, integrated workflows with ticketing systems and other solutions, created a streamlined flow of data in and out of its accounting and billing departments and much more.

▶ Read the full Midwest Concrete Materials story.
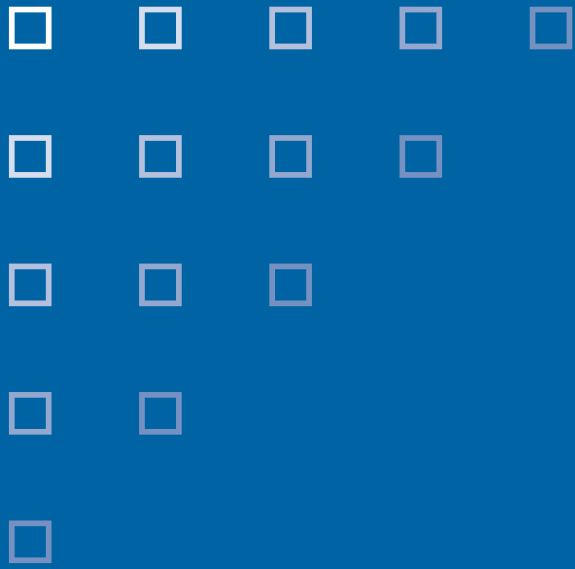
Reporting & Analytics

Empowering Today's Data-Driven Contractors

Data is the fuel that powers your construction business decision making.

As part of the connected, cloud-based Trimble Construction One suite, Spectrum users have access to Analytics, a data platform providing easy, self-service reporting and predictive analytical capabilities.

Built within the leading-edge Microsoft Azure Cloud platform, Analytics dramatically improves your reporting abilities by providing real-time metrics, visualizations and dashboards, easily queried through self-service tools in seconds. Instantly compare and analyze your real-time data in virtually any format you can imagine.

Easily build and measure against new KPIs and both internal and industry benchmarks. And, take advantage of predictive analytic tools that let you better forecast future work and identify trends, get ahead of potential issues and open new doors of growth opportunities.
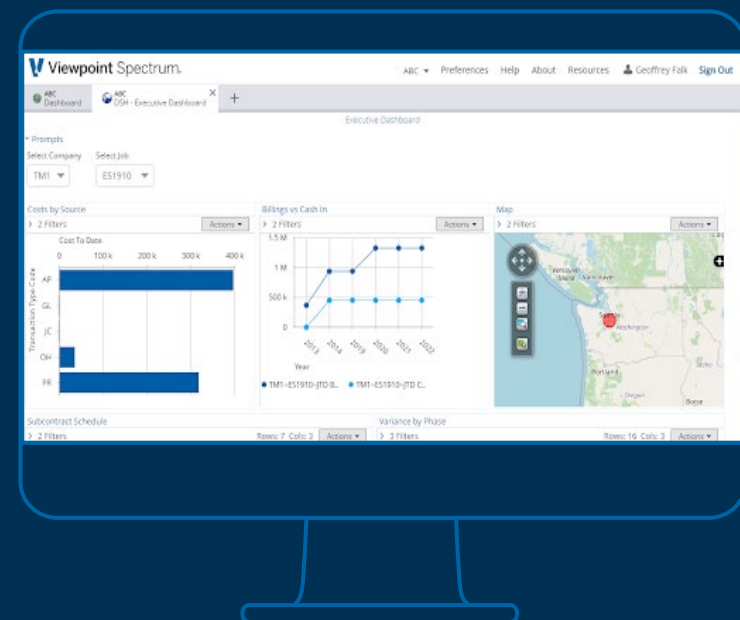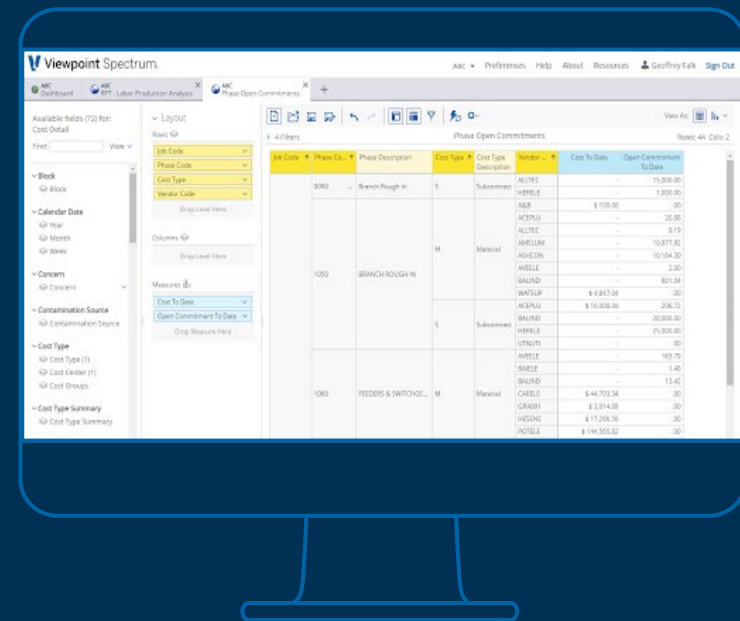
The Best Part?

You don't need a team of advanced data scientists, expensive third-party consultants, or hours upon hours of labor-intensive work to get to this level of insight. And, you do not need to know SQL! Analytics does the heavy lifting. Thanks to automated data collection and workflows through Trimble Construction One Spectrum, end users can largely plug-and-play within Analytics, easily moving information between data cubes or running advanced data queries in a few clicks.

Realize a Single-Source of Data Truth:

Analytics features an intuitive data warehouse, hosted in the cloud, that quickly organizes and segments data pulled directly from all areas of Spectrum through seamless data connections.

- Easy-to-use report and data visualization builder with drag-and-drop functionality to see information relevant to each end user.

- Streamlined data aggregation and easy-to-understand data cubes.

- A host of standard report templates pre-built into the system.

Visualize and Share Data in Virtually Any Format:

Give your teams the data they need in the ways that are most relevant to them —whether simple dashboards for executive teams, project-level visualizations and comparisons for project managers or detailed, line-item reports for accounting and financial professionals.

- Let individual users determine the data they want to see and how they want to see it.

- Quickly segment, view and compare data via reports, charts, graphs, geographic mapping and other visualizations.

- Easily build out customized dashboards, automatically populating and updating data in real time.

- Seamlessly share reports and data visualizations with other team members.

Identify Trends and Predictively Forecast Future Work:

Analytics gives you the ability to effectively forecast ahead and predict future trends. Intuitive predictive analytic tools help spot common data themes to show the probability of similar results or the likelihood of subsequent actions triggered by data collected and analyzed.

- Easily identify and set new personal benchmarks; and compare current and predictive data and results to industry-wide benchmarks to see how your organization stacks up.

- Spot recurring problems and target action plans to mitigate project cost overruns, delays and issues with future work.

- Understand which future jobs are worth the effort and which carry too much risk, and explore new market and business opportunities for your company—armed with data rather than guesswork.

This data intelligence revolution represents the next step in the construction industry's tech-aided metamorphosis.

As your projects—and your organization—become larger and more complex, the need to better leverage your data has become a priority. Spectrum and Analytics put you on the path to being a true data-driven contractor.

ATG Gains Construction Intelligence With Trimble Construction One and Analytics

When Portland, Ore.-based Advanced Technology Group (ATG) sought to become a more data-driven contractor, the company turned to the Trimble Construction One suite of solutions and Analytics. Doing so gave ATG real-time insight into its projects, and deep, yet simple to use analytical tools to make smarter operational and business decisions. Analytics is opening up a whole new world of data-driven possibilities for ATG.

"Analytics does a great job of pulling and manipulating data as a starting point for our entire company to dive deeper into a single job or multiple jobs," said Data Services Manager Lindsey Jones-Robinson.

▶ Read the full Advanced Technology Group story.

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ABOUT TRIMBLE CONSTRUCTION ONE

Trimble Construction One™ is a connected, cloud-based construction management platform that drives productivity, efficiency and accuracy at each phase of the construction project lifecycle. Using data from all phases of construction, Trimble Construction One connects teams with real-time information that shows true project costs and resource allocation so they get the right information at the right time to make the right decisions. For more information, please visit: trimble.com/solutions/trimble-construction-one/

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