



ProContractor™
by Viewpoint

Seamless Takeoff
and Estimating

 Estimating

 Project
Management

 Accounting

 Services

Your Construction Technology Partner

Viewpoint®, a provider of comprehensive, integrated construction management software products for over 35 years is relentlessly dedicated to providing the most advanced, easy-to-use software available exclusively to the construction industry. We continuously strive to define the edge of innovative construction management technology.

Viewpoint is dedicated to assisting thousands of contractors increase productivity and drive greater profits every day. We're more than your technology provider. We're your technology partner.

ProContractor by Viewpoint

ProContractor by Viewpoint is an all-in-one construction software solution that handles the complexities of the entire project lifecycle. As a comprehensive, single solution for end-to-end control, ProContractor allows contractors more streamlined operations and increased visibility across three domains of expertise: estimating, job cost accounting, and project management.

Flexible Functionality

With versatile features developed to meet the business requirements of every role within your construction organization, the solution is flexible and easy to use.

The solution's comprehensive feature set allows you to start with most critical applications you want — whether only estimating or only accounting and project management — and grow into the full breadth of offerings and valuable modules as your business needs them.

See the ProContractor All-in-One brochure to learn about using the solution for end-to-end construction management.

Setting a New Standard

ProContractor by Viewpoint is built from the ground up on Microsoft's latest technology — Microsoft .NET platform and SQL database — setting a new standard in construction business management software.



Seamless Takeoff and Estimating

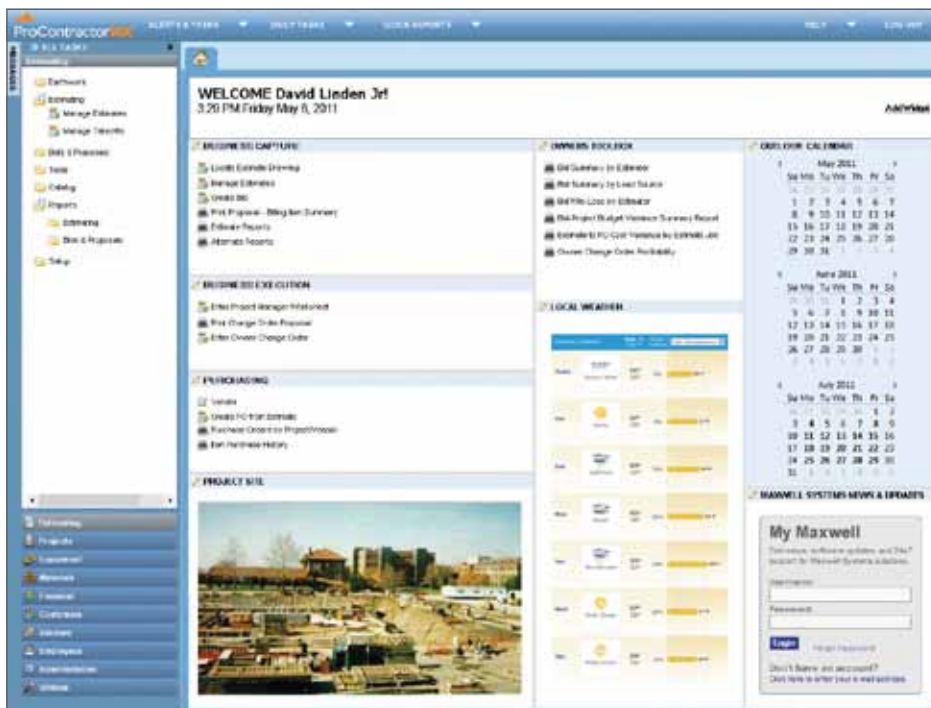
ProContractor by Viewpoint provides robust and user-friendly features so you can significantly improve your takeoff, estimating, and proposal management processes.

ProContractor helps you quickly and accurately quantify, price, and bid projects:

- Eliminate slow and cumbersome paper processes
- Precisely perform takeoff for on-target bids
- Save time, increase accuracy, and consider 'what-if' scenarios to negotiate contracts
- Submit more bids in less time with precision and profit margin
- Win the work that's worth the estimating effort
- Automatically build audit trails to effectively handle disputes and avoid delay claims

Using seamless software for takeoff and estimating, you can streamline efforts and better maintain a pipeline of opportunities. Imagine finishing a complex bid in just hours rather than days or weeks!

- Mitigate risk and maximize reward
- Consistently perform accurate takeoffs
- Prepare detailed estimates efficiently
- Submit on-target bids
- Win work you can execute profitably



ProContractor provides a customizable home page where you can add popular favorites, helpful widgets, and more. You can make it your own!

Table of Contents

Flexible, All-in-One Solution	2
Microsoft .NET platform and SQL Database	2
Overview of Takeoff and Estimating	3-4
• Benefits of seamless solution	
• Value of Takeoff, Pricing, Estimates, and more	
Fast and Accurate Takeoff	5
• Digitized Takeoff	
• Digital Takeoff	
Measure Cut and Fill.....	6-7
• Takeoff	
• CAD	
• Trenchwork, Roadwork, Cross Sections	
Estimating Capabilities	8-9
• Seamless from Takeoff or BIM	
• Familiar Formats and Reports	
• Central Database	
• Templates and Attachments	
• Estimate with Accuracy	
• Tailored for Earthwork	
• Historical Reporting	
• Notepad, Alternates, Summary, more	
• Bids and Proposals	
• Bid Day and Invitation to Bid	
• Bid Dashboard	
Buyout, Purchase Orders, Change Orders, Reporting	10
Visual Assemblies and Verification ...	11
Earthwork Verification.....	12
More Than Estimating	13
For Every Member of Your Team	14
Support & Services	15

You'll be able to save time, prepare the winning bid, and control processes with ProContractor as your fast, accurate, and easy-to-use takeoff and estimating software solution.

Takeoff

- ▶ Eliminate cost and hassle of blueprints
- ▶ Increase speed and accuracy with simple point-and-click takeoff
- ▶ Reduce costly mistakes and measure quantities to within 1/1000th of an inch

Pricing

- ▶ Work quickly using pre-built and customizable databases, based on industry standard labor units
- ▶ Easily determine materials, labor, and equipment needs for any job
- ▶ Cost jobs properly considering variables such as workers' skill, weather conditions, full-time and seasonal labor force, etc.

Estimates

- ▶ Finish estimates up to 10 times faster than using manual methods and spreadsheets
- ▶ Produce detailed estimates and customized proposals
- ▶ Simplify and expedite estimating using real-time pricing, assemblies, and multi-level breakouts
- ▶ Have confidence in numbers by tying together estimates, labor needs, and cost analysis

Beyond

- ▶ Manipulate numbers on bid day to negotiate and win
- ▶ Easily compare plan revisions to handle changes and capture profits
- ▶ Manage and verify change orders in seconds
- ▶ Reduce data entry, increase accuracy, and improve accountability with seamless process and electronic trail

With ProContractor, estimators can stop making costly mistakes and easily analyze estimates to see how to find more profit in every job. Plus owners can make timely, confident decisions using job tracking tools for insight about what type of work the company does best and ensure time is spent bidding on the right jobs.

Stop making costly mistakes and find more profit in every job.

Fast and Accurate Takeoff

ProContractor provides versatile takeoff options that help you save time, eliminate costly errors, and improve accuracy for better profit margins. So whether you're performing takeoff for structural elements or sitework, ProContractor is the right fit for you.

Digitized Takeoff

If you like to work with traditional blueprints, improve your speed and accuracy with digitized takeoff. Simply lay your plans on a digitizer, set the scale, and point and click with a stylus pen. Quickly generate accurate measurements and quantities.

Digital Takeoff

Use ProContractor to perform digital takeoff of electronic plans quickly and accurately right on your monitor and never touch a set of bulky, expensive blueprints. The easy-to-use software helps you save significant time taking off original plans and when there are plan revisions.

- ▶ **Overlay Plans** — Instantly compare your new plans to the older ones, so you can capitalize on every change order and make more money on every job.
- ▶ **Sheet Import Manager** — Select which PDF Sheets you want to import and split apart the PDF layers for detailed, concise takeoffs. Save the time of hunting through unnecessary sheets.
- ▶ **Shape Recognition** — Further automate quantity counts by using Shape Recognition feature to automatically search a set of plans and annotate like symbols and shapes.
- ▶ **Seamless Workflow** — After you complete your measurements, easily send them to your estimate to prepare your bid.



Save time and eliminate costly errors using Digital Takeoff for unmatched precision. Use the Estimating Touch Screen Monitor and further increase speed, efficiency, and precision during takeoff and estimating.

Measure Cut and Fill, too!

Whether you need to measure cut and fill, or takeoff curb runs, fencing, silt fence, or count items like manholes, catch basins, and inlets, we have a solution for you!

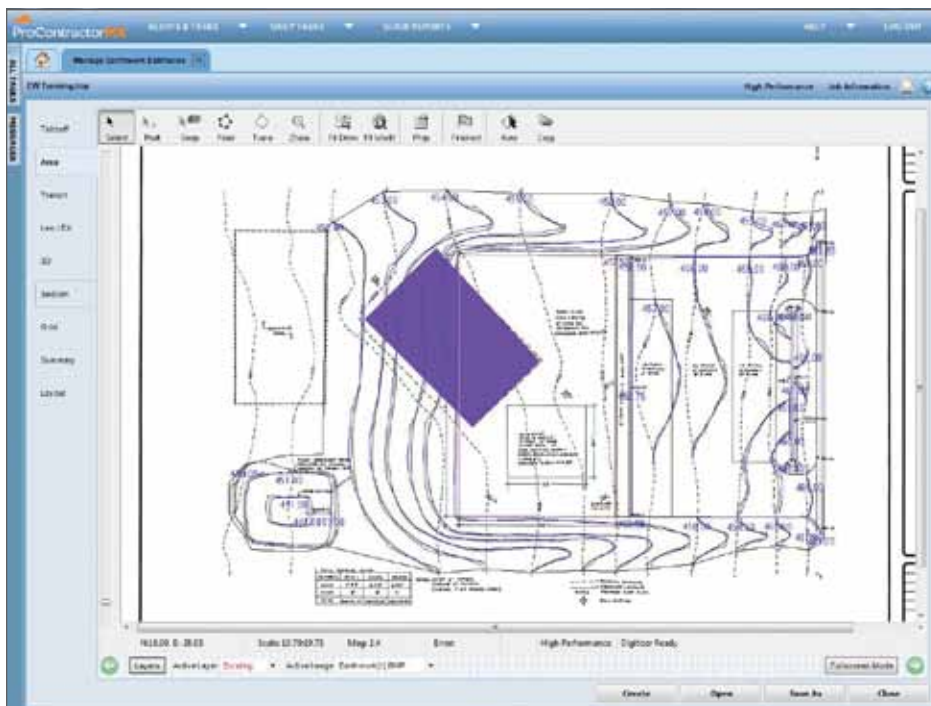
Digitized Takeoff

If you prefer to use paper plans, you can use ProContractor to measure your cut and fill quantities in record time.

Digital Takeoff

Tailored for earthwork, ProContractor helps you quickly generate accurate cut and fill quantities straight from digital site plans.

- Efficiently takeoff existing contours, proposed contours, spot elevations, and any sitework elements
- Easily calculate grade; and quickly identify borings, substrata, swell, and yield
- Electronically stake elevation points for fine grade or rough grade staking and layout
- Import takeoff information directly from CAD files and automatically assign elevations and join contours



Easily takeoff elevations, calculate grade, and more, and know amount and types of materials that need to be moved for on-target bids.

Viewpoint Trenchwork, Roadwork, and Cross Sections are additional earth-measuring applications for sitework contractors involved with underground utilities and highway work. So whether working from plans drawn in profile view or cross section view, you can measure quantities easily and then send that data seamlessly to your estimating process.

ProContractor helps earthwork contractors to increase accuracy, save valuable time, and minimize the possibility of costly mistakes.



Easy-to-Use Estimating Solution

Save time and cut costs using ProContractor to efficiently and accurately figure out what the materials, equipment, and labor will cost you.

Seamless from Takeoff or BIM

Takeoff data is pulled directly into the estimating process, helping you avoid the time and error of reentering information. Receive or generate Building Information Modeling (BIM) files and skip the takeoff process altogether by easily importing and automatically populating an estimate with cost items and quantities.

Familiar Formats and Reports

Estimating, bid day tools, and proposal writing are built in so you enjoy quick bidding with familiar spreadsheet formats and easy-to-read bid views and reports.

Central Database

Quickly find pricing on thousands of cost items including materials, equipment, and labor, and choose trade-specific databases, RSMeans databases, or customize as many as you want.

Templates and Attachments

Save more time by creating estimate templates with items you use regularly; with a single click, items or assemblies, including 3-D Visual Assemblies and User-Defined Assemblies, may be added to a bid. For further convenience, you can attach important documentation, such as original plans, drawings, and correspondence.

Estimate with Accuracy

No need to reenter data because ProContractor shows you all quantities, measurements, and calculations from the takeoff. It's a seamless process that improves accuracy and saves time. Easily add, change, and manage cost items, assemblies, and financial items as you prepare your estimate.

Tailored for Earthwork

With estimating features tailored for sitework contractors, you can use ProContractor to determine cut and fill quantities and then efficiently calculate what the equipment and labor will cost.

Historical Reporting

Track performance by estimator, customer, project type, and more; dozens of standard formats give you information in the way you want to see it.

User-friendly features for convenience and workflow throughout estimating process:

- ▶ **Notepad** helps you keep track of quantities and cost item specifications with a useful audit trail for your job; sort items with a click, convert measurements, or get quantity totals.
- ▶ **Alternates** allow you to negotiate easily for a competitive edge on other bidders and to identify profitable opportunities on a job.
- ▶ **Summary** tool lets you view your estimate's subtotal costs and all your results and quickly sort, filter, and organize using Work Breakdown Structure (WBS) codes; review estimate data any way you like and set baseline costs to compare changes.
- ▶ **Offline Estimating** capability lets you take ProContractor with you to the field or home; put it on your laptop and do takeoff, create estimates, and prepare bids while out of the office.

Manage proposals and bid day without worry or aggravation:

- ▶ **Bids and Proposals** are easily created, tracked, and managed with familiar formats, custom capabilities, and accurate bid details from the estimating process; view reports and the data you need with just a click.
- ▶ **Bid Day** tool helps you manipulate a proposal's price on the fly, propose what-if scenarios, and make up-to-the-minute adjustments and negotiate before submitting a bid.
- ▶ **Invitation to Bid** feature lets you track, store, and manage subcontractor bids and supplier quotes in a central location and efficiently generate forms and reports.



The Bid Dashboard is a convenient way to make informed decisions quickly with graphical snapshots and drill-down access to bid information.

No need for a 'big board' down the hall. Use ProContractor to quickly see, in real-time, details about proposals due and expiring. Click to drill into details of all open bids. Easily stay on top of dates and financial details.

Buyout, Purchase Orders, Change Orders, and More

Beyond takeoff, estimating, and bid day, ProContractor continues to perform when you win the bid!

Save time, simplify workflow, and improve communication between estimators, accounting, and project managers on active jobs:

- ▶ Instantly find and automatically share the data you need
- ▶ Entire team can work with maximum efficiency and minimal data entry
- ▶ Eliminate costly errors and increase accuracy and quality of data
- ▶ Improve productivity and profit margins for all projects

Buyout

Efficiently manage the buyout process and protect yourself against purchasing more expensive materials than were estimated. Streamlined process gives project managers the information needed to successfully execute jobs that estimators won.

Purchase Orders

Easily and electronically create and customize purchase orders, validate pricing, track status, and manage the purchase and receipt of materials to help keep projects on schedule.

Change Orders

Efficiently identify change requests; create change orders; track and manage pending, internal, and contract change orders; and print change order documents and proposals. Real-time information and cost comparisons help you drive timely approvals, capitalize on opportunities for every job, and save money on potentially costly mistakes.

Reporting

Valuable reporting on wins and losses helps you see where to make adjustments to further maximize profits. With insight about the status of purchasing, POs, and change orders, you can better understand the productivity of team members.



Managing the entire lifecycle and all components of a job electronically, you'll achieve the best efficiency and accuracy.

Visual Assemblies and Verification

ProContractor offers impressive verification features that help you takeoff faster and with precision, and provides comprehensive data to see your job come together.

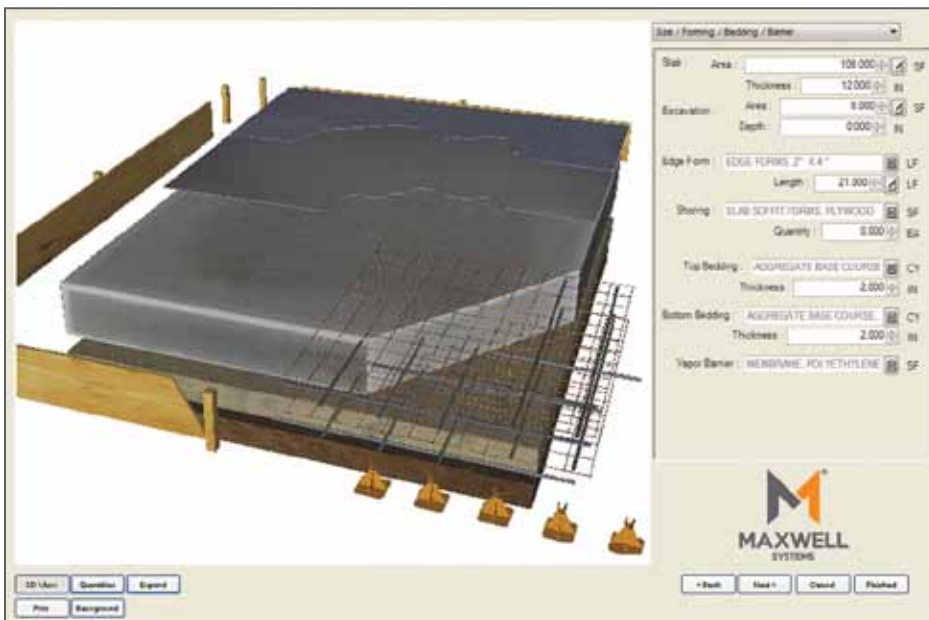
Interactive 3-D Visual Assemblies

Each visual assembly is a comprehensive graphical checklist of individual cost items that are stored within your databases and are estimated together from one takeoff measurement.

Deliver an accurate bid every time:

- ▶ The lifelike takeoff image allows you to zoom, rotate, go inside, and separate components
- ▶ Clearly see if items are missing or incorrect
- ▶ Adjust quantities and parameters and update items and costs as needed
- ▶ Completely reusable in future projects for speedy workflow

Drag and drop to add VAs to your estimate to show clients a clear, colorful, impressive picture of their investment.



Interactive 3-D Visual Assemblies help verify the accuracy of information in an estimate.

Visual Assemblies are available to fit the unique needs of different types of construction:

- **Concrete** — walls, slabs, footings, columns, tilt up



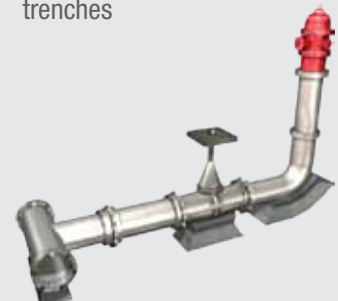
- **Framing** — timber framing, metal framing, drywall, ceilings, finishes



- **Masonry** — block walls, brick walls, pavers



- **Sitework** — asphalt paving, concrete paving, stand ups, curbs, gutters, sidewalks, fire hydrants, trenches

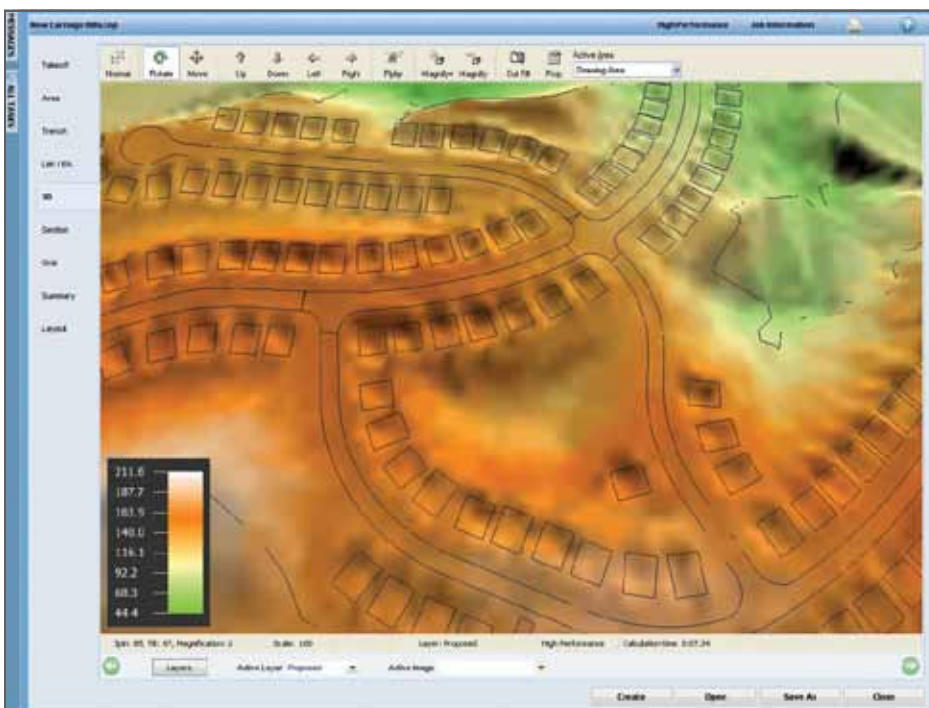


Earthwork Verification

Sitework can involve a lot of expensive heavy equipment. So ProContractor was designed with essential verification features that help protect your company with unmatched accuracy.

- **Section View** shows cross section of elevations between any two points so you can see each layer and type of material to move, or see at-a-glance the amount of cut or fill needed for any section of your site.
- **Grid View** helps verify your elevations and cut and fill amounts; just choose any pre-defined area, such as a perimeter, a phase, a parking lot, and the corresponding cut and fill totals will display instantly.
- **Trench Templates** is great for underground utilities and includes vertical, V-shape, T-shape, Y-shape, and other kinds of templates.
- **Summary** screen shows complete breakdown of your import/export quantities at any time — displayed by area and layer, including the measured quantity, swell and yield factors, and adjusted total quantity.
- **Balance** your entire site in mere seconds and create multiple bids to show money-saving differences. No longer spend days redoing your work with every adjustment needed.

Dynamic tools make it easy to verify your calculations, no matter how large or complex the site.



3-D View provides a dynamic, realistic aerial view of your existing and proposed elevations. Take a virtual helicopter ride with the Fly-by feature to survey the site at any altitude.

So Much More Than Estimating

Your business can also leverage ProContractor for comprehensive accounting and project management functionality. And when also using it for estimating, you'll have end-to-end control of business and manage projects from bid to cash.

An all-in-one ProContractor solution will automatically provide you with budgets, committed costs, and more; plus you can easily compare budget against pending and posted costs to profitably manage projects. You'll be able to improve profitability, manage financials, control cash flow, increase accuracy, and more.



ProContractor is the ultimate business management software to help you:

- Manage projects with accurate information in real-time and see a day's profit potential at a glance
- See which jobs are making money and understand (and increase) profitability
- Prevent potential financial losses and improve financial stability for long-term benefit
- Analyze every project with straightforward reporting on wins and losses
- Easily make adjustments and improve decisions to maximize profitability
- Execute projects for maximum profit with real-time data whether in the office, on the road, or at the job site

That's right — ProContractor can be the single solution for your entire business! Allow your team to communicate faster and react smarter — which will make you more competitive and profitable.

The Profitable Power of Complete

When your business is ready, ProContractor grows with you. The full breadth of the solution includes these capabilities for end-to-end control of critical business operations:

- Takeoff and Estimating
- Project Management
- Procurement Management
- Financial Management
- Employee Management
- Equipment Management
- Inventory Management
- Dashboards
- Reporting and Analysis

See the ProContractor All-in-One brochure to learn about using the solution for end-to-end construction management.



All-in-One Benefits Every Member of Your Team

ProContractor by Viewpoint can be the complete, all-in-one solution that streamlines processes across your entire business, with tailored features and valuable benefits for every role.



Owner

- ▶ Easy to access, real-time business intelligence
- ▶ End-to-end control and visibility
- ▶ Easily monitor business metrics and optimize performance
- ▶ Tight security and accountability
- ▶ Microsoft technology is flexible for business changes
- ▶ Timely reporting and valuable Dashboards



Estimator

- ▶ Digital plans or standard digitized takeoff
- ▶ Fast bid day and what-if estimating
- ▶ Tool for proposal creation
- ▶ Track Win/Loss, proposals, and more
- ▶ Buyout from estimate



Project Manager

- ▶ Easily create projects, budgets, and schedules
- ▶ Real-time job analysis and committed and projected cost reporting
- ▶ Alternates, change order requests, and owner change orders
- ▶ Bid-Budget-Actual variance reporting
- ▶ All paperwork attached to a project



Equipment Manager

- ▶ Equipment location tracking
- ▶ Usage allocation as costs to projects
- ▶ User-defined billing rates
- ▶ Utilization reporting



Accounting Team

- ▶ Single entry of data
- ▶ WIP or Direct Cost method, over/under billings
- ▶ Multi-company and departmentalized accounting
- ▶ AIA, Progress, and T&M and retention invoice formats
- ▶ Everything needed to process and report construction payrolls



Controller/Financial Manager

- ▶ Complete financial reporting
- ▶ Tight audit trail
- ▶ GL drill-down reports
- ▶ WIP and Bonding Reports

Commitment, Leadership, and Partnership

As a technology partner, Viewpoint provides unparalleled support and maintenance plus a host of professional services.

Support & Maintenance

Viewpoint provides ongoing support to address any question. Understanding the importance of reliability and effective communication, Viewpoint offers online support 24 hours a day, seven days a week. Live web chat and phone support is also available and hours are convenient for all time zones. Offering this level of service ensures that customers are maximizing their technology investment through the lifetime of their solution.

Services & Training

In addition to comprehensive support and maintenance, we offer training, consulting, and educational services to help meet customers' unique business challenges. Our flexible training options include learning in a classroom environment at one of our regional facilities, in a private one-on-one training session, or through online training classes. Ongoing consulting services and educational services, whether on-site or online, are also available. These services provide customers with additional insight to help best utilize their system for their particular needs.

ProContractor™
by Viewpoint

www.maxwellsystems.com
1-800-688-8226

VIEWPOINT®

© 2014 Viewpoint, Inc. All Rights Reserved. Viewpoint® and ProContractor are trademarks of Viewpoint, Inc., in the United States and/or other countries.
ProContractor_Estimating_3.2_2-18-14

