VIEWPOINT

CONSTRUCTION SOFTWARE®

Technology Empowered Estimating

PRESENTERS

Mike Gillum; Product Manager, Viewpoint for Estimating



Karl Rajotte; Product Manager, Viewpoint for Estimating MEP



WEBINAR OBJECTIVES

- To Gain a better understanding of the estimating technologies available today
- Integrated Platforms (BIM, Project Management, Accounting)
- Benefits of Cloud Technology







CURRENT STATUS???

- Are you having to stay late at the office or work weekends to finish your work?
- Are you having subcontractor coverage anxiety?
- Is your extra work affecting your marriage or home life?
- Are you losing sleep at night?
- If you answered yes to any of the above......





THE PROGNOSIS IS GOOD!

- Best-In-Class Firms Leverage Technology Resources to Enhance the Estimating Function...
 - Effectively and consistently use available technology
 - Create & Use a consistent set of forms and templates
 - Inter Company Collaboration is KEY to successfully implementing automated software
 - Understand which functions need to integrate w/ estimating
 - Use technology to ease integration





TESTIMONIALS

- "The MEP solution allows me to build assemblies on the fly as I'm going, and that's very easy and simple from the digital takeoff, Elmer W. Pittman Jr., CPE, Owner/Estimator, EWP Group, LLC
- "Being exact is a must. There is no room for mistakes. The Viewpoint solution is user-friendly and highly
 customizable and allows me to go in and do things according to how I want them to be done." Carlos Santoyo,
 Electrical Estimator, Border Electric/Mechanical.
- "It has made a huge difference for us going from the handwritten method; and, I would say it has cut my time in half moving away from the spreadsheets." Matt Elfreich, Estimator and Project Mgr., Klenck Company
- "A \$500,000 bid, depending on the intricacy and unit prices, would have taken four or five days before, and now we can complete it in about two days a 50% time-savings. Overall, I probably turnout 30% more bids than before because of the increased efficiency of the process with Viewpoint Estimating. There was no other program out there that would take earthwork and estimating and allow the users to go back and forth from one to the other. Viewpoint's solution was the only one that would let me do that and eliminate transferring data between two programs." Kim Freitag, Estimator, PIPCO Company.



FOOD FOR THOUGHT...

- An Estimator has to be a strategic thinker...
- Knock down the Silos between estimators & PM's
- It is critical to have strong estimators and strong processes
- Chase the "right" work—Bid In Your Sweet Spot!
- Good job cost integrity is important to feed the model





POLL QUESTION #1

WHAT TECHNOLOGY ARE YOU CURRENTLY USING FOR TAKEOFF?

- Paper and Pen
- Spreadsheets (e.g. Excel)
- Automated Software
 - Paper Plans & Digitizers
- Automated Software
 - Digital Takeoff (PDF, CAD, BIM)





CONSTRUCTION TECHNOLOGY TRENDS

- Construction Industry is underspending other industries by 75% regarding technology (JBKNOWLEDGE 2015 Construction Technology Report)
- A recent KPMG survey found that 50 percent of industry leaders who
 experience underperforming projects say <u>poor estimating practices are a major</u>
 <u>factor in problematic developments</u>. This data is a clear indication of the lack
 of quality estimating procedures that is negatively impacting construction work
 across the world.
- According to Constructech, <u>companies that use state-of-the-art estimating</u>
 technology have seen improved development efficiency and increased
 accuracy. Additionally, users of digital estimating tools are able to reduce the
 risk associated with creating an inaccurate cost projection.



TECHNOLOGY EMPOWERED ESTIMATING





TAKEOFF DEVICES

EVOLUTION OF TOOLS







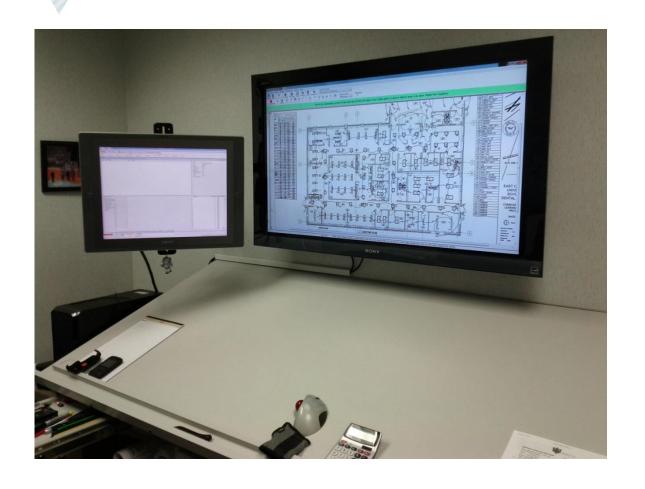


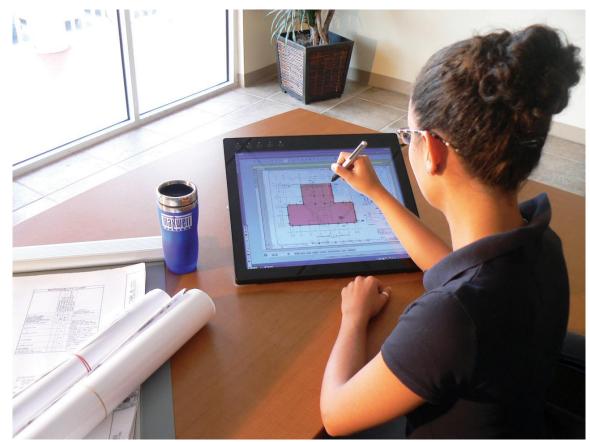




TAKEOFF DEVICES

EVOLUTION OF TOOLS







ELECTRONIC DRAWINGS

DIGITAL DRAWINGS AND PLANS







Advanced Image Manager



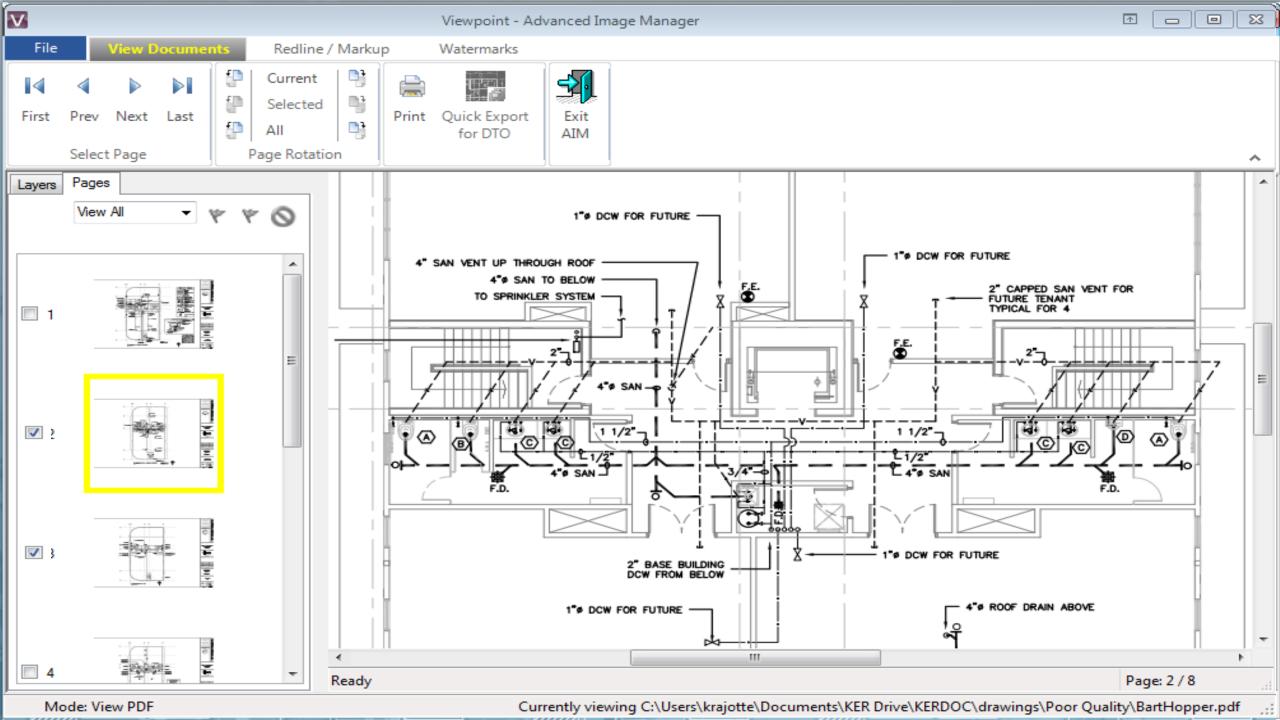


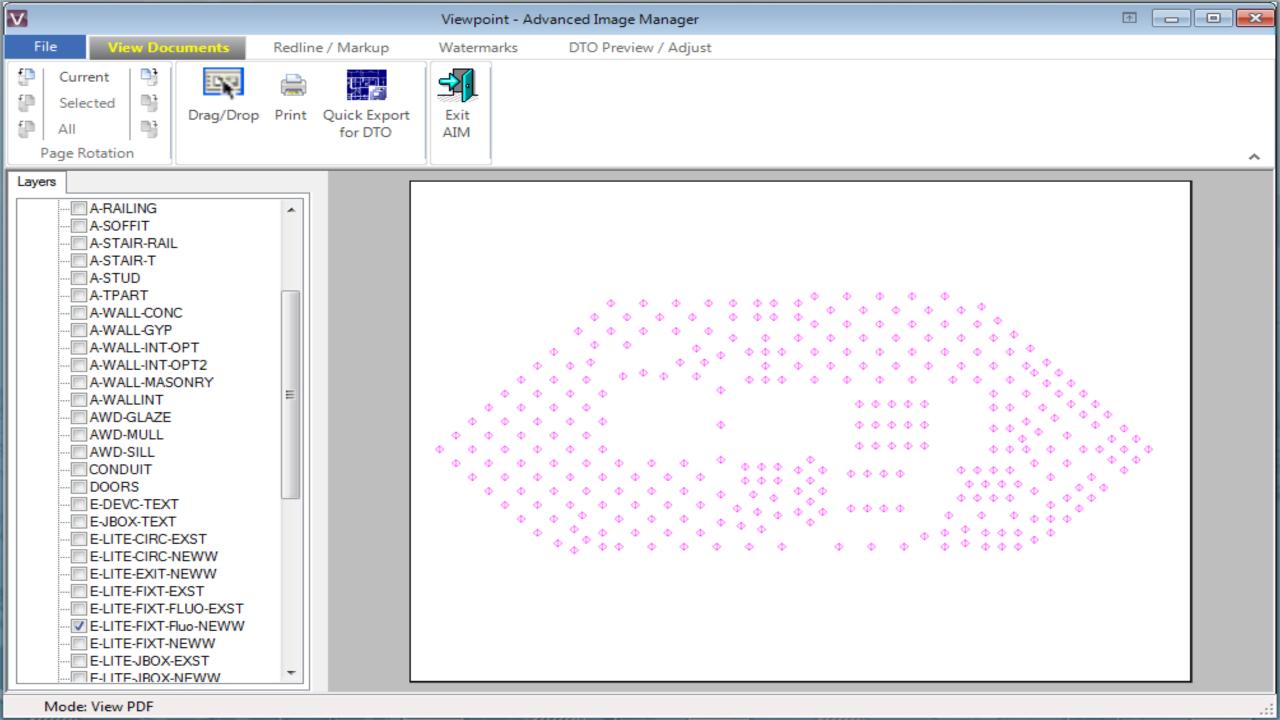
ADVANCED IMAGE MANAGER

- Breakdown of Multi-Sheet PDFs.
- Linked directly with Digital Takeoffs & Estimating
- Multi-Layer breakdowns
- Redline Capability

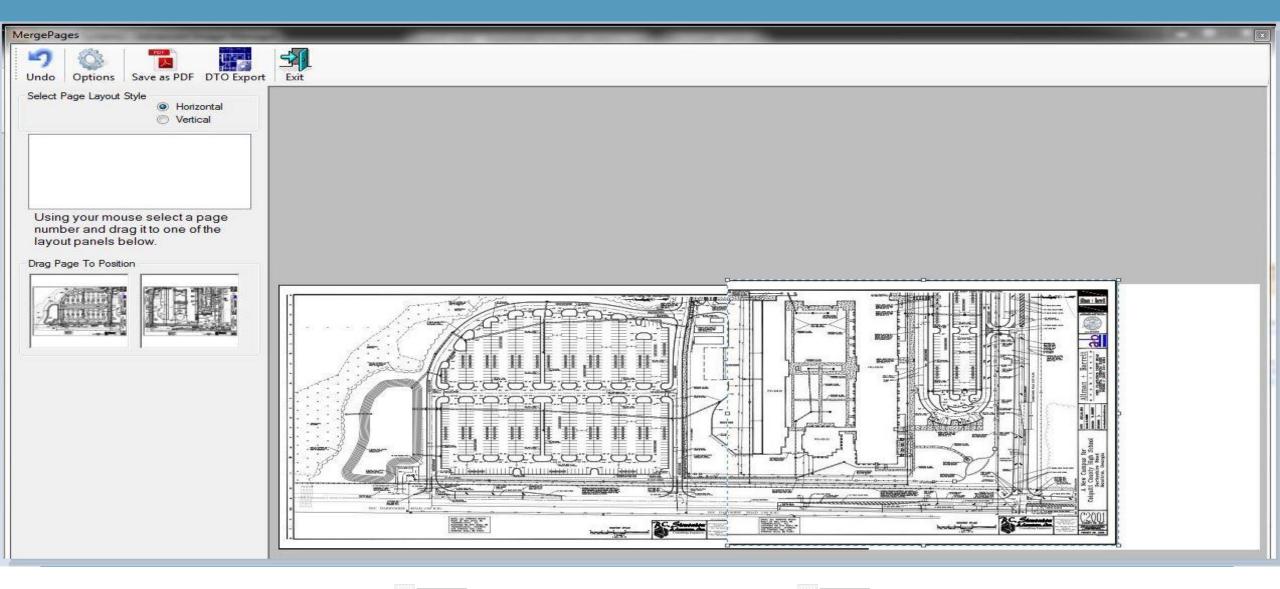








ADVANCED IMAGE MANAGER - MERGE





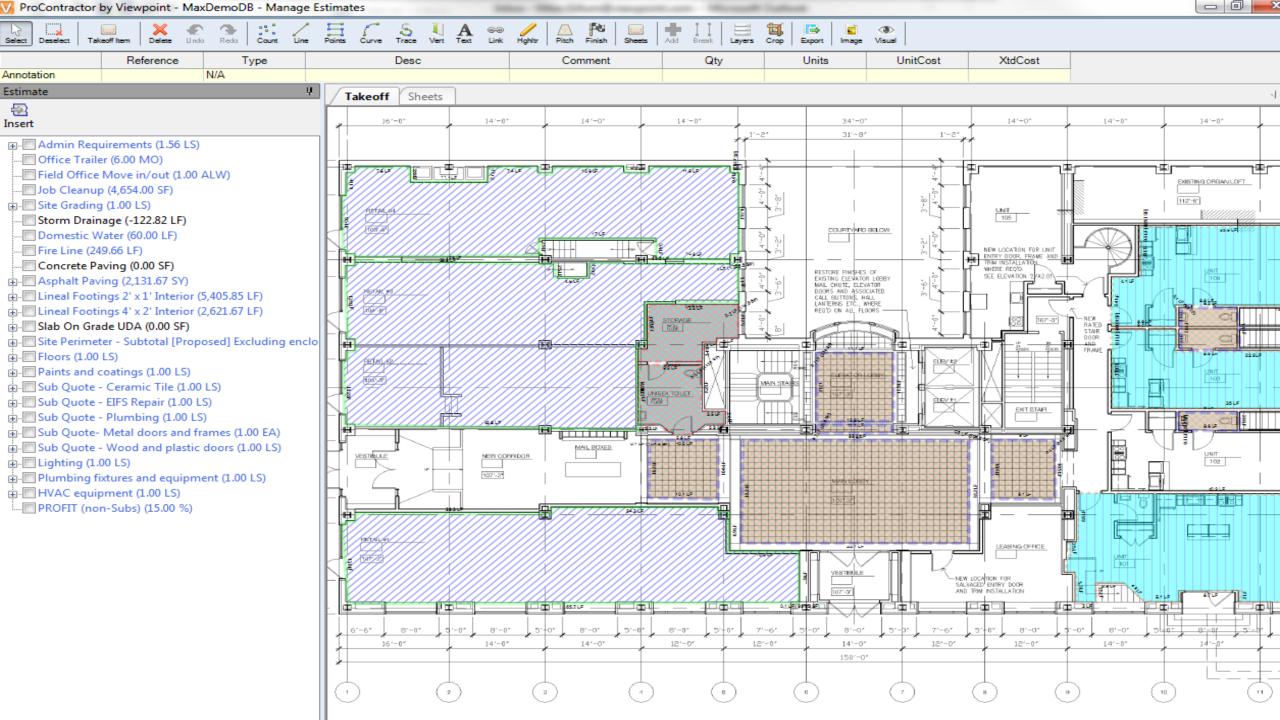
TAKEOFF

EARTHWORK

- Cut and Fill Takeoff solution
- Increased Accuracy, valuable time
- Minimize the possibility of costly mistakes

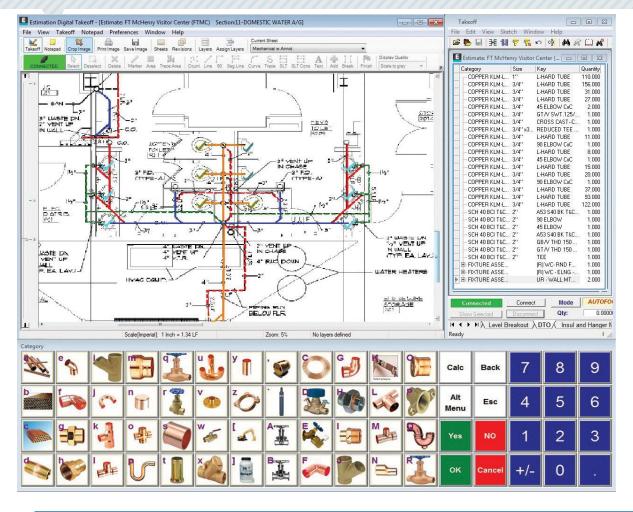


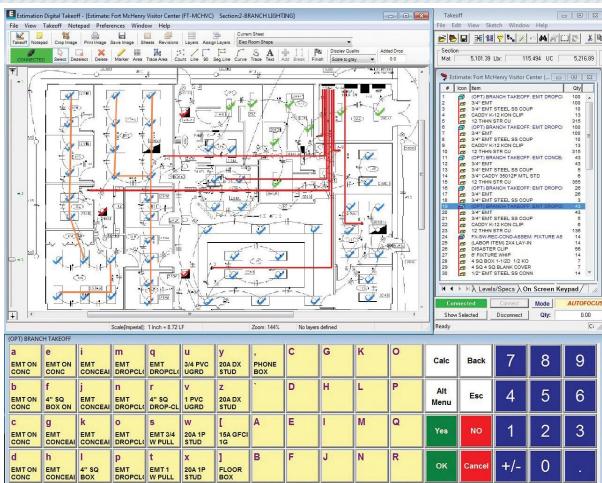




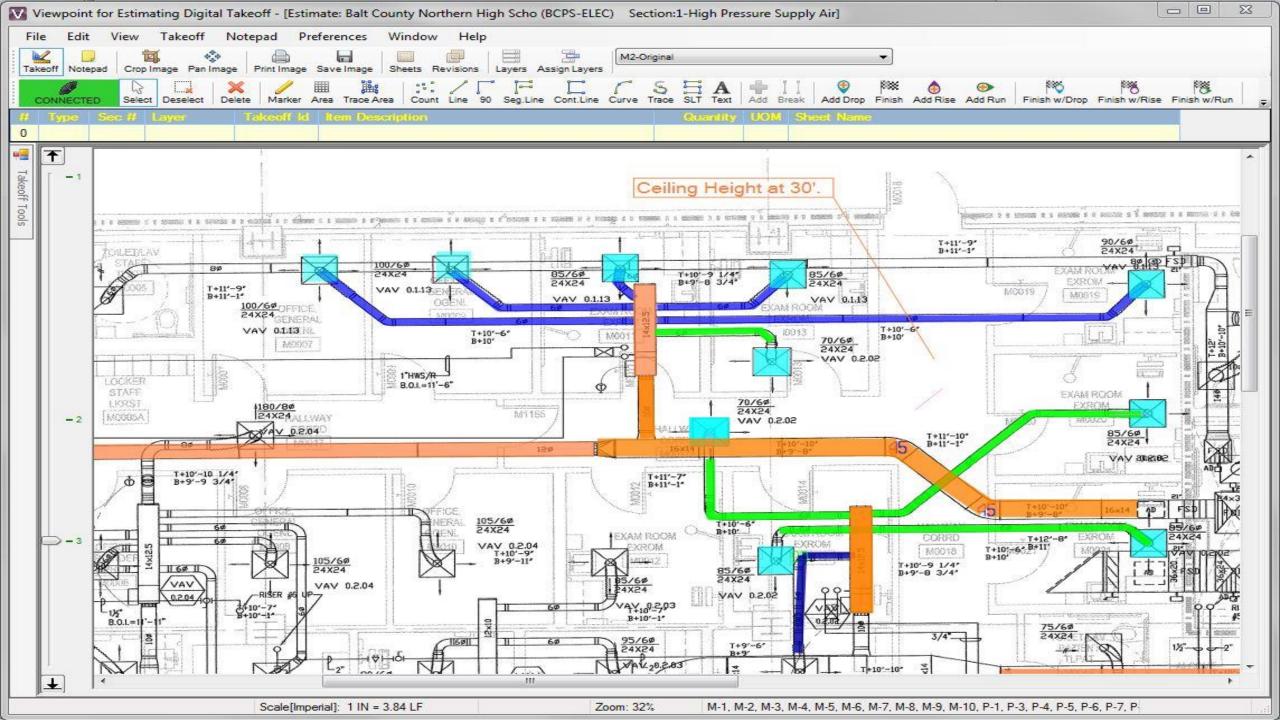
VERTICAL TAKEOFF

MEP ESTIMATE AND DIGITAL TAKEOFF









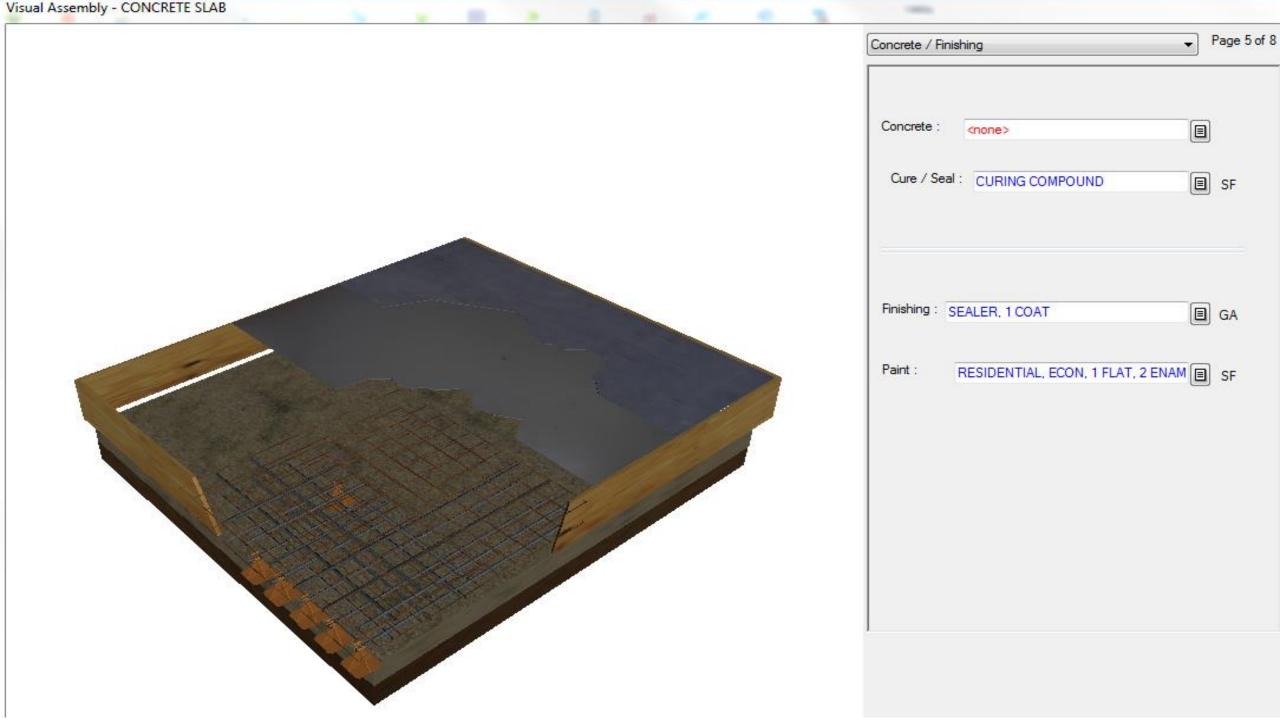
VERTICAL TAKEOFF

ASSEMBLIES

- MEP Assemblies
 - Quick
 - Detailed (Custom on-the-fly)
 - Size Table
- GC and Sub Specialty Assemblies
 - List
 - Enterprise (Customized Detail)
 - Visual Assembly







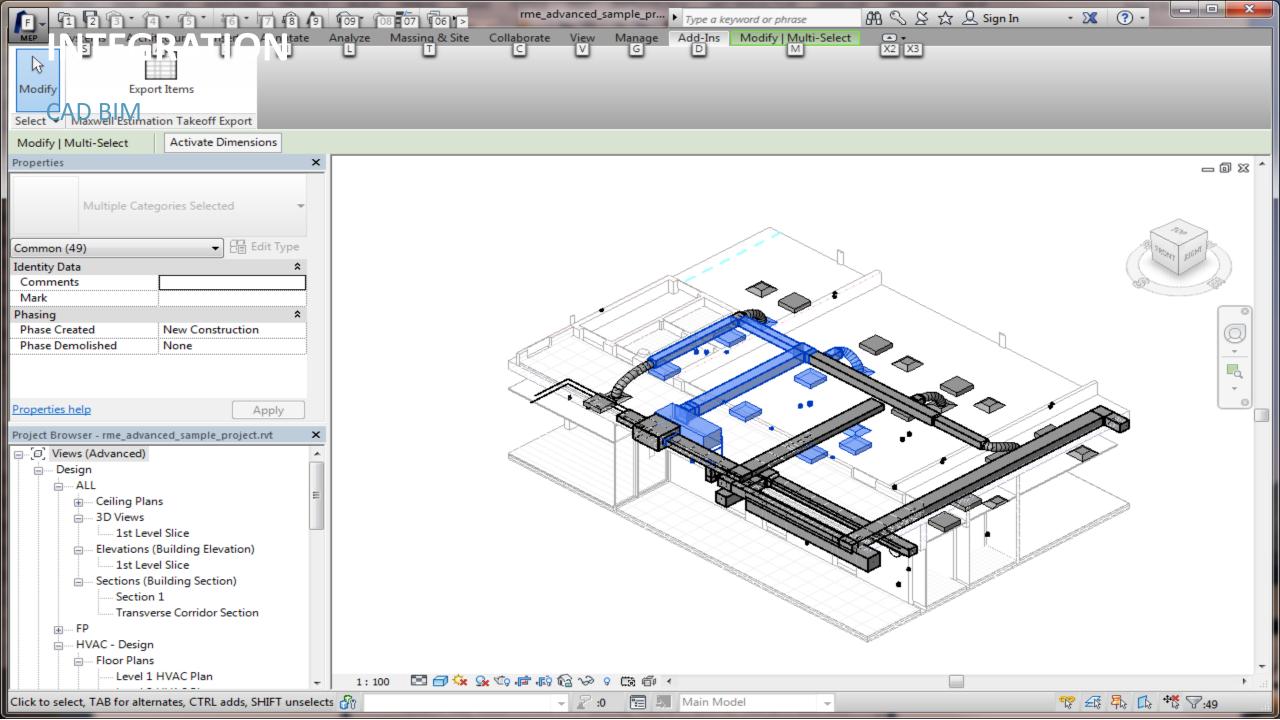
POLL QUESTION #2

DO YOU HAVE AN ON PREMISE ENGINEER/ARCHITECT?

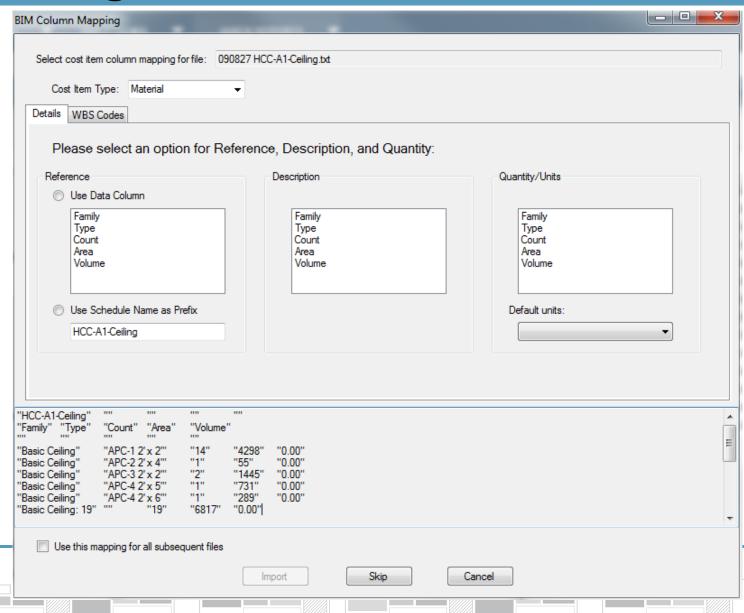
- Outsource
- CAD On Premise
- CAD/BIM On Premise







BIM Data Integration





PRICING AND LABOR

MEP RSMEANS

- MEP Price Updating Services
 - Harrison, Trade Service, NetPricer, etc.



- SMACNA, PHCC, NECA, MCAA, etc.
- RSMeans
- Local Supplier Pricing
 - Viewpoint Pricer







Pricer



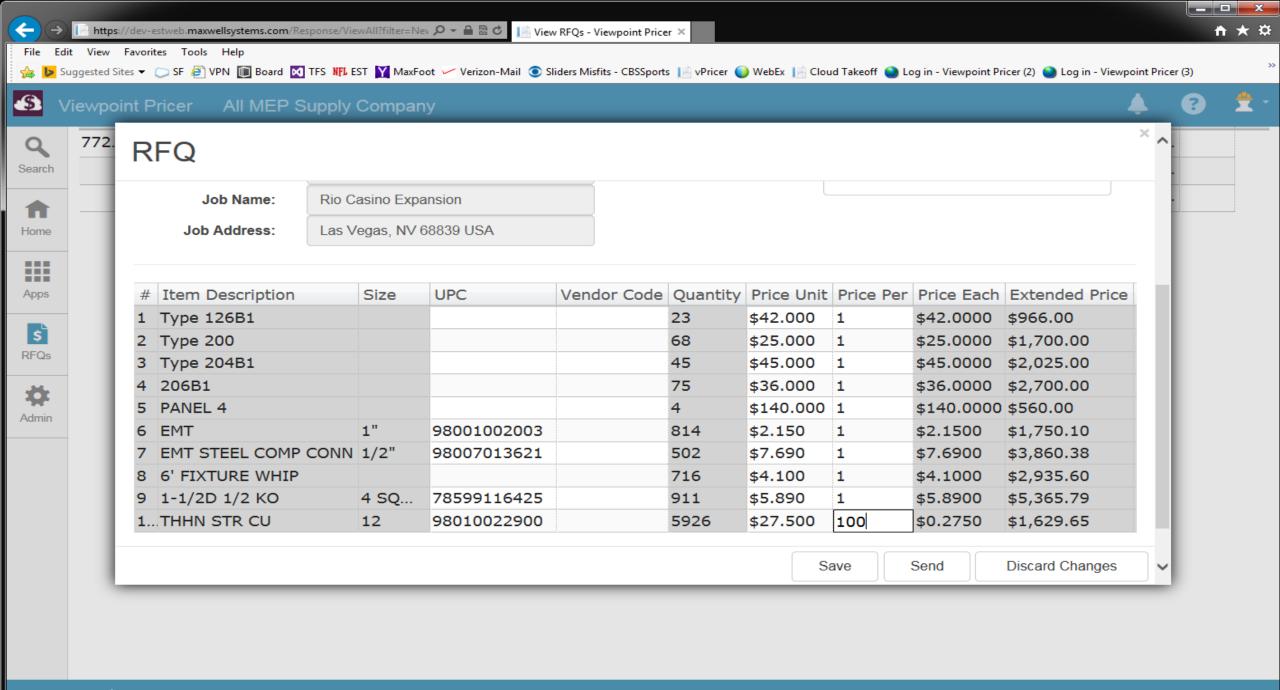












BID AND PROPOSAL

JD Construction, Inc 1000 First Avenue Suite 200 King of Prussia, PA 19406 jdconstruction.com

Phone: 800-688-8226 Fax: 610-277-3515

Proposal



Proposal: 1000 Date:

To:	Project
Westmark Construction Attn: David Linden 7006 27th St. West Suite A Tulare, CA 95466	Lordsburg Water Improvements 1500 W. State Road 4 Norristown, PA 19406

Salesperson	
Sam Smith	

Scope of Work

Provide all work as outlined in bid documents

	Propos al Total:	524,431.15
Acceptance		
Accepted by:		
Title:		
Date:		

JD Construction, Inc 1000 First Avenue Suite 200 King of Prussia, PA 19406 jdconstruction.com

Phone: 800-688-8226 Fax: 610-277-3515

Proposal



Proposal: FTMCH
Date:

То:	Project	
Eagle Development Corp. Attn: Alan F Freeborn 2343 Leaf Way Mulberry, CA 95046	Ft. McHenry 100 Harbour Road Baltimore, MD 22533	

Salesperson	
Sam Smith	

Reference	Extended Price
099 General Conditions	6,270.00
101 High Pressure Supply Air	10,576.53
102 Low Pressure Supply Air	4,694.86
105 Return Air	4,968.76
110 Exhaust Air	4,968.76
125 Grilles Registers Diffusers	8,571.01
130 Equipment	119,646.10
150 Balancing Dampers	1,128.00

Proposal Total: 160,824.01

Acceptance



BEYOND THE BID

VISTA AND OTHER PM AND MOBILE

- Viewpoint's Accounting & Project Management
 - ProContractor
 - PC Connect (ProContractor Connect)
 - CPM (Construction Project Management)
 - Vista
 - VCM (Viewpoint for Content Management)
 - VFM (Viewpoint for Mobile)
 - VPC (Viewpoint for Project Collaboration)
- Other 3rd Party PM and ERP systems



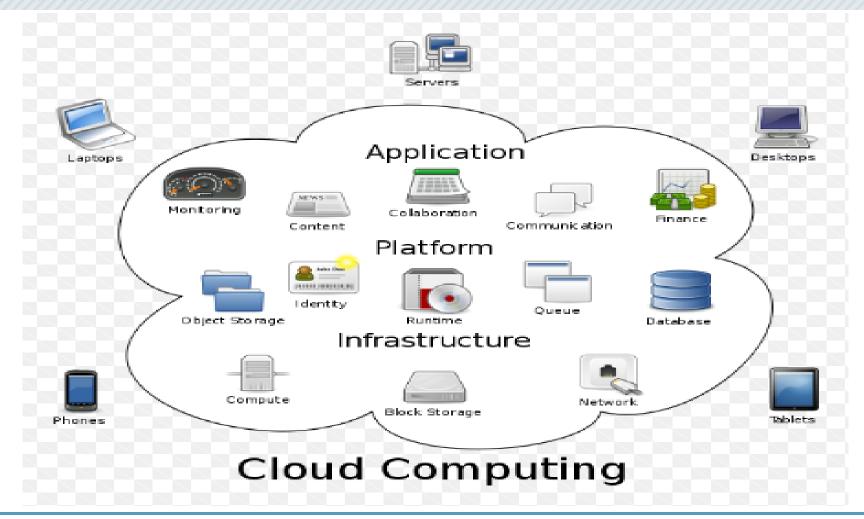






CLOUD

VIEWPOINT FOR CLOUD





POLL QUESTION #3

ARE YOU CURRENTLY DEPLOYING ESTIMATING TECHNOLOGY IN THE CLOUD?

- Yes
- No
- Current Initiative
- No, but Interested







CONSTRUCTION TECHNOLOGY

More Construction Apps than Ever(JBKNOWLEDGE 2015 report)







EMPOWER

Q&A







THANK YOU

Mike Gillum; Product Manager, Viewpoint for Estimating

Mike.Gillum@viewpoint.com

Karl Rajotte; Product Manager, Viewpoint for Estimating MEP

Karl.Rajotte@viewpoint.com

