

The Art of Implementation

James Norris, Brian Filkins, Hunter Minary, Jordan Christensen | The Beck Group





Presenters



James Norris Director of Virtual Building, The Beck Group



Brian Filkins Operational Technology Manager, The Beck Group



Hunter Minary Asst. Operational Technology Manager, The Beck Group



Jordan Christensen DFW Regional Scheduler, The Beck Group

PROCORE





WE ARE

DESIGNERS BUILDERS SUSTAINABILITY EXPERTS TECHNOLOGY EXPERTS



1912	FOUNDED AS CENTRAL CONTRACTING CO.	
1924	HEADQUARTERS MOVES TO DALLAS	
1939	ATLANTA OFFICE	
1946	HENRY C. BECK COMPANY	
1975	SAN ANTONIO OFFICE	
1981	HCB CONTRACTORS	
1992	MEXICO OFFICE & TAMPA OFFICE	
1998	DENVER OFFICE	
1999	MERGED WITH URBAN ARCHITECTURE	
1999	THE BECK GROUP	
1999	AUSTIN OFFICE	
2002	FORT WORTH OFFICE	



ATLANTA AUSTIN DALLAS DENVER FORT WORTH **TAMPA**

& MEXICO CITY

Today or Tomorrow, Data can be Applied in an Infinite Way





Beck Values

Integrity is doing the right thing when no one is looking and behaving with uncompromising honesty.

Caring is showing concern, empathy and compassion for others, ourselves, and our environment.

Integration is working unselfishly toward common goals across disciplines, teams, departments and regions.

Innovation is never being too comfortable with the status quo by developing new ideas and applying those solutions that differentiate us in valuable ways.





"Innovation: Theatre or Action?"







Empirical Data Doesn't Matter if the Culture isn't Ready





Call to Action!



[INTEGRATION + INNOVATION] × TIME = VALUE

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In a recent McKinsey study, approximately 65% of executives surveyed reported that they were unhappy with their organization's inability to innovate. That said, McKinsey also discovered that, "On the contrary, senior executives almost unanimously—94%—say that people and corporate culture are the most important drivers of innovation."











<u>Good Ideas need to be scalable</u> and solve real problems..

PROCORE Construction**OS**



Technology Trends

Hiring Programmers Internally

Domain Expert+ Programmer + Real Problem to Solve = \$

A question to keep in mind...

If it stays with the firm forever...just like excel, it is where information goes to die.



<u>Thinking about the customer perspective: what data</u> <u>do they need & how do they want it presented?</u>





Everyone learns differently

- + Auditory—hear it
- + Visual—see it
- + Kinesthetic—sense of space
- + Tactile—use a hammer





Step 1: Survey the Pain and Survey the Software

Understand the problem(s) you're trying to solve, and your users needs.

"Top imposed is bottom opposed!"





Identify the Problem



PROCORE | ConstructionOS



Identify the Problem



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Step 2: Understand the Process and Workflow!

Choose software that integrates with other products. We don't purchase technology tools that do not have an effective API (Application Program Interface).

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Process Maps are the best!



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Step 3: Software Investigation

Match Software to Preferred Workflow

Standardize workflow and do not allow multiple software that do the same thing...

No Centralization = Resource Sharing Issues.







Software Comparison Matrix			Key Features				Project Administration					Co	Cost Mgmt. Accounting						Misc & Issue Mgmt.					Collab.				Design			Precon			
	03/25/2016)	Cloud Based	On Premise Based Deskton Ann Version	Web-based Version	Mobile Tools	Workflow Customization Cross-Platfrom Integration	Drawing Management		orawing iviarkup roois Submittals	Submittal Log/Reporting	RFI's BELLoge/ Reporting	Ari Lugs/ Neports Daily Reports	Meeting Minutes Photo Management	Contracts	Budgets	ocneauing Change Management					equipment / Asset Mgmt. Facilities Maintenance	ssue & QA/QC Tracking	б	Punchlist	Safety Tracking/Trending	cmail Databasing Contacts	User Management	Fask Management	He Sharing Model Viewing	Model Data Extraction	Decision Matrix Tracking	Model takeoff	Estimate Management	Bid Management
Existing Software	Software Use/Type					-			- •/														_	_		-					_			-
	Project Administration ERP (Accounting, Financials, PM/PA) Mobile QA/QC and Issue Tracking																				??	?	?	?	?									
11	File Sharing																																	
	Safety Issue Management																																	
Potential Software	Software Use/Type																																	
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	Engineering Project Collaboration																																	
	Collaboration and File Sharing																																	
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	CM, ERP, Accounting																																	
	Enterprise Information Management																																	
	Procurement, DM and PM								?	?	? ?	??	??																		?			
Other Collaborative Software	Software Use/Type																																	
	Collaboration Tool																																	
	Task Management																																	
	Project Management and Collaboration																																	
11	Communication and Task Management						_																											
	Field Construction App																																	
	Drawing Management																																	
	PDF Hyperlinking (Service)																																	
	File Sharing																																	
	File Sharing																																	

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Step 4: Make sure you have the proper technical staff available to deploy and support the software.

Develop a timeline with your implementation plan

Create training materials and best practices

Analyze adoption annually and adjust plan as needed





Timeline





Support Home > u > The Beck Group

The Beck Group

WELCOME TO THE BECK GROUP SUPPORT CENTER!

The training center has been set up to provide you with specific training and highlights Beck-specific best practices and processes you'll need to effectively leverage the power of Procore and be successful on your Project. We are excited to team up with you on your upcoming project and look forward to collaborating with you in our Project Management tool, Procore.



This site is broken out with role specific training material for each user. Please take the time to review the tutorials and training videos as these have been developed specifically for you and your role in Procore. We also have provided some quick links to specific tools within Procore for quick reference on your project.

Since the mobile capabilities are one of the best features of Procore, make sure to download the iOS or Android app on your smartphone or tablet. This will help with keeping you connected on the project site with the most current project information.

BECK PROJECT TEAM



Project Admin



PE/PM







Beck Architecture

EXTERNAL PARTNERS







Field



Subcontractor

Design Team

Owner

PROCORE



Project Usage





Project Usage



User Feedback



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BECK Dig Deeper...but...Keep it simple. BEC< iamesnorris@beckgroup.co DEEP PROJECT LIST NEW PROJECT SCHEDULING ADMIN ADMIN HELP SCHEDULE Total active projects: 41 Projects displayed; 10 Operative Schedule. Compliant: 35 Operative Schedule, Compliant: 169294 Harbor Chase Park Cities \$51.3 M Ì 0 The window installation activities at each level are currently. Start: 4/18/2016 Work 430 days past 146 riding the data date. Windows at levels 2-3 on elevation a are Progress being installed next week. If the team feels the installation Conditioned Air process went as planned the remaining window installation -7 0 activities will be scheduled out during the next update. Dry-in (morganlugo, 6/14/2017 9:29AM) Moving Air Moving Air/ Temp, Cooling • <u>-14 -7 0</u> Permanent Power **-**<u>-14 -7 0 7</u> Substantial Completion 168730 Scottish Rite North Campus 🗡 🖽 🛛 Work Start: 10/31/2016 Progress 234 511 days remain We are still showing we will finish yet we are missing internal milestones? 14 7 9 7 M 0 Start 7/13/2015 168841 SMU Substation \$14.8 M := Work Progress 710 days past PROCORE 32 Constr THR Mansfield \$20.8 M 🖌 🔠 🛛 As-Built Start 9/1/2015 631 days past

14 7 8 7 P

No really, what else is going here?



Excel is where information goes to die... How else can we know this?

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BECK



jamesnorris@beckgroup.com Log out



EVM without EVM.

	Region	Dallas	Schedule Summary												
	Dept. code:		?	Is job in scheduling dashboard?:	yes										
	Job code:		?	Last schedule update:	2017-06-14										
	Contract amount:		?	Is latest schedule compliant?:	yes										
?	Profit Variance:		?	Finish date according to latest schedule:	2017-11-13										
?	Current Projected Profit:	\$1,176,628		Calendar days since job start:	428										
	Percent complete (by cost):	53.84%		Calendar days remaining:	147										
	Last WIP date	2017-05-31	?	Schedule Variance:	This project has 0 days of float in the schedule.										
	Total billed:	\$25,994,555	?	Percent complete (by schedule):	74.43%										
	Job Type:	3rd Party Construction	?	Scheduling Contact:	morganlugo@beckgroup.com										
		2		Click below expand the list of major milestone											



Arena - Cost of Work: Submittal Data



Show RFI data for this subjob.







Thank you!

Contact Us



jamesnorris@beckgroup.com



brianfilkins@beckgroup.com



hunterminary@beckgroup.com



jordanchristensen@beckgroup.com

