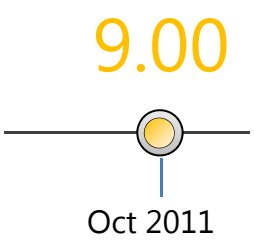
Prolog 9

Philip Greer / Jeff Harrison
Meridian Systems

Tue, September 11, 2012
10:30 am – 12:00 pm

Since we last met…

Prolog 9



Launched and available at the 2011 Huntington Beach User Conference

Primary Themes

- Prolog Converge – 17 New Forms
- Prolog Connect – 7 New Platform Forms (all Cost related)
- Prolog Sky

Prolog 9.0 Features

Prolog Converge – 17 New Forms

Field Admin

- ✓ Field Work Directives
- ✓ Inspections & Tests
- ✓ Material Inventory
- ✓ Notices to Comply
- ✓ Safety Notice

Document Control

- ✓ Closeout Log
- ✓ Conversation Log
- ✓ Submittal Transmittal

Cost Control

- ✓ Application for Payment
- ✓ Change Order Requests
- ✓ Contract Invoices
- ✓ Contracts
- ✓ Potential Change Order
- ✓ Prime Contract Change Order
- ✓ Subcontract Change Order
- ✓ General Invoices
- ✓ Purchase Orders
- ✓ PO Catalogue (READ ONLY)
- ✓ Revenue Codes (READ ONLY)

Prolog 9.0 Features

Prolog Connect – 7 New Platform Forms (all Cost related)

Cost Control

- ✓ Budget
- ✓ Budget Control
- ✓ Change Order Requests
- ✓ Contracts
- ✓ Potential Change Order
- ✓ Prime Contract Change Order
- ✓ Subcontract Change Order

Prolog Sky

9.00

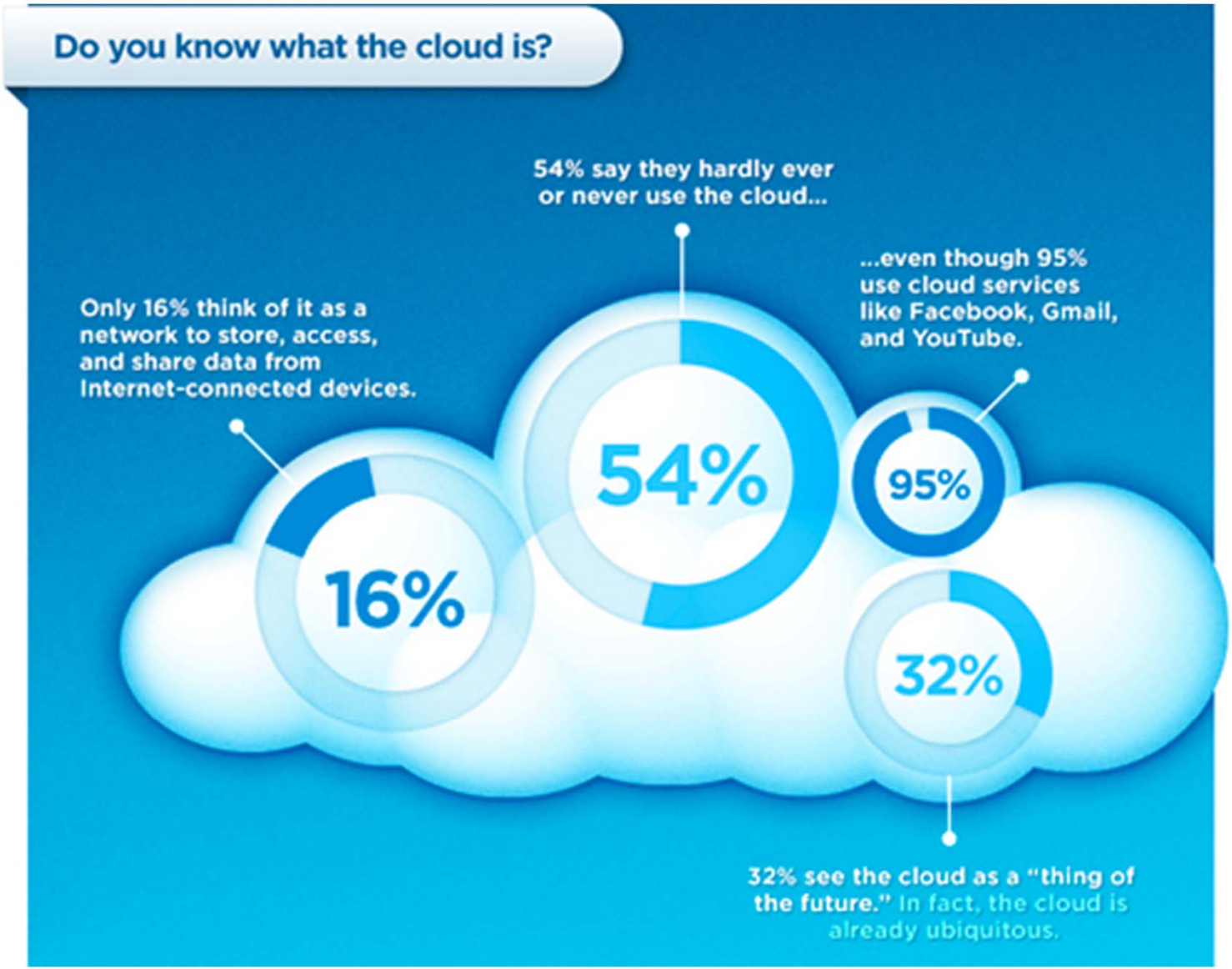
Citrix Cloud Survey conducted by Wakefield Research

Survey of 1,006 American adults in August 2012.

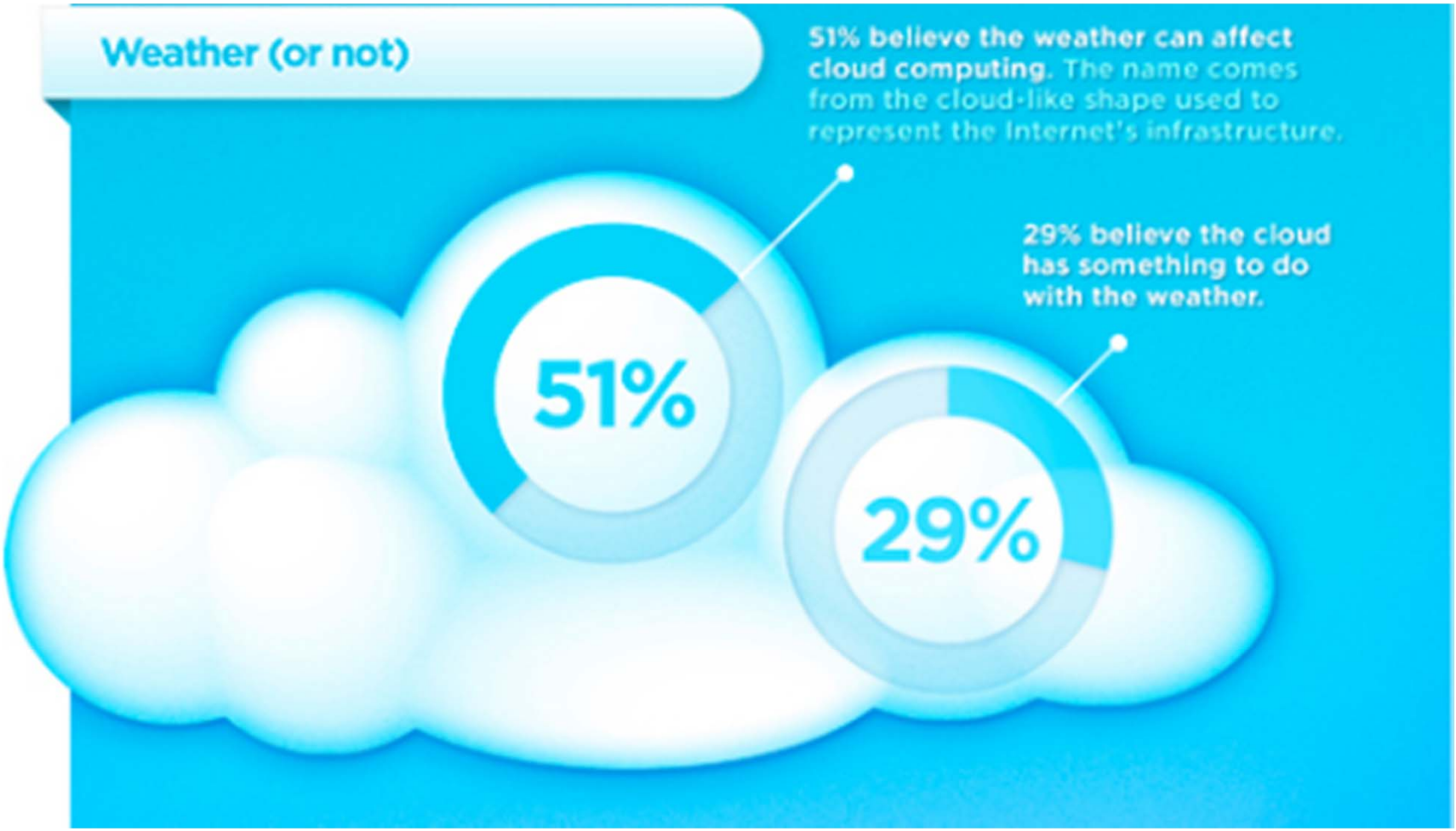
Survey conducted with email invitation and online survey.

As it turns out, most Americans have no idea what it actually is.

(HINT: IT HAS NOTHING TO DO WITH THE SKY.)



Source: Citrix cloud survey conducted by Wakefield Research

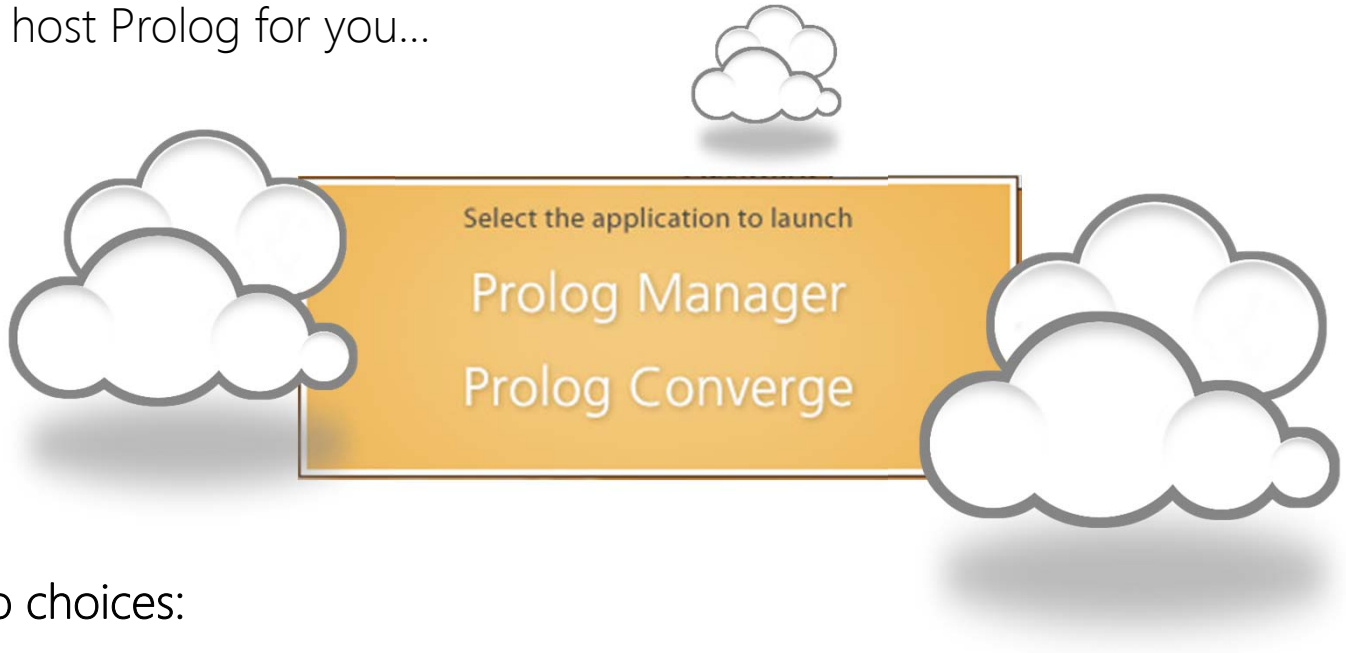


Source: Citrix cloud survey conducted by Wakefield Research

Source: Citrix cloud survey conducted by Wakefield

Prolog Sky

We host Prolog for you…



Two choices:

- Subscription-based
- Managed hosting

9.00

Prolog Sky

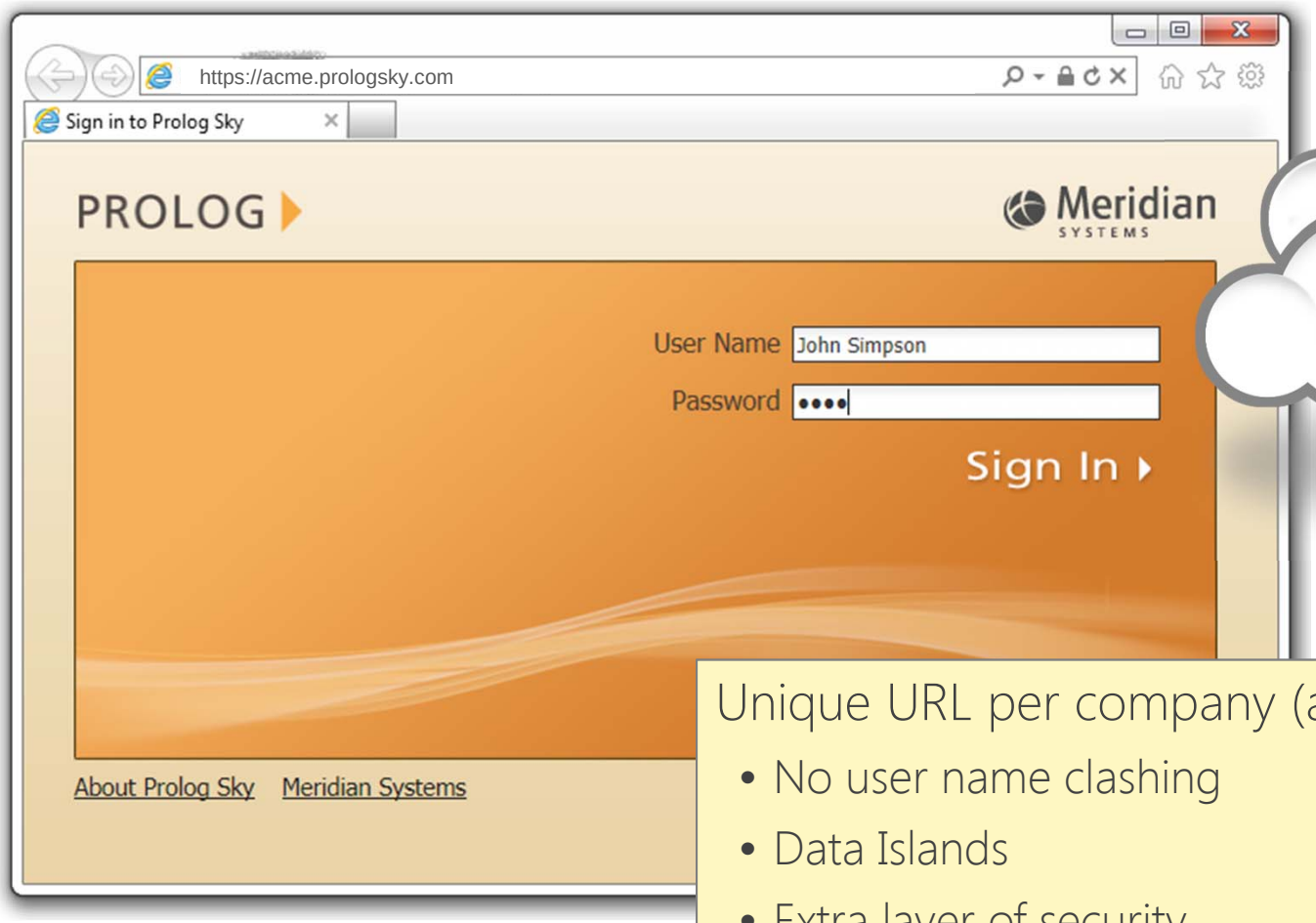
We host Prolog for you…

Features:

- Shared Licensing Model
- Lots of Storage!
- Prolog Connect – Web Services Integrations

9.00

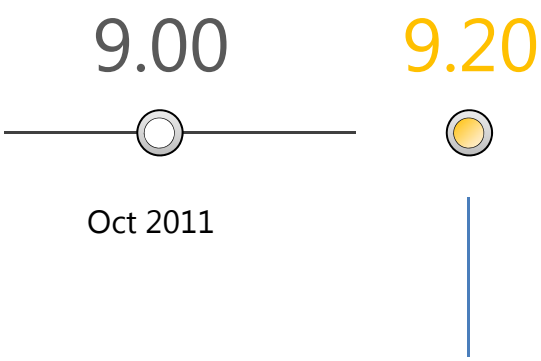
Prolog Sky



Unique URL per company (a 'site')

- No user name clashing
- Data Islands
- Extra layer of security

Prolog 9



Primary Themes:

- Focus on Tuning and Bug Fixes
- Expanded Prolog Sky Capabilities
- Contract Invoices (Connect Platform)
- Launch of Prolog Mobile for the iPad (AFTER LUNCH)

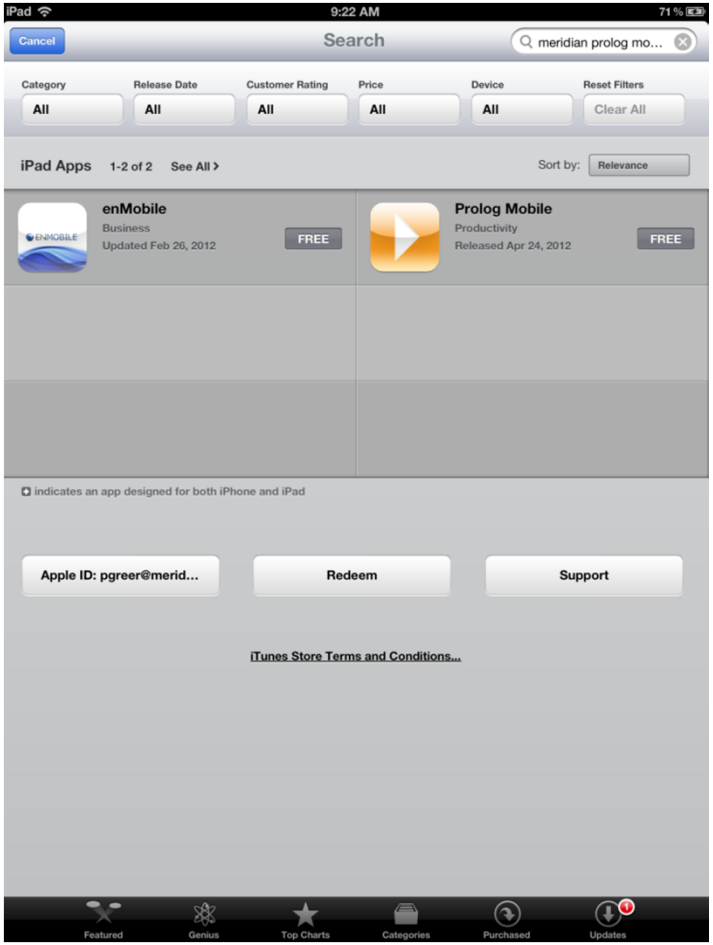
Prolog 9.2 Features

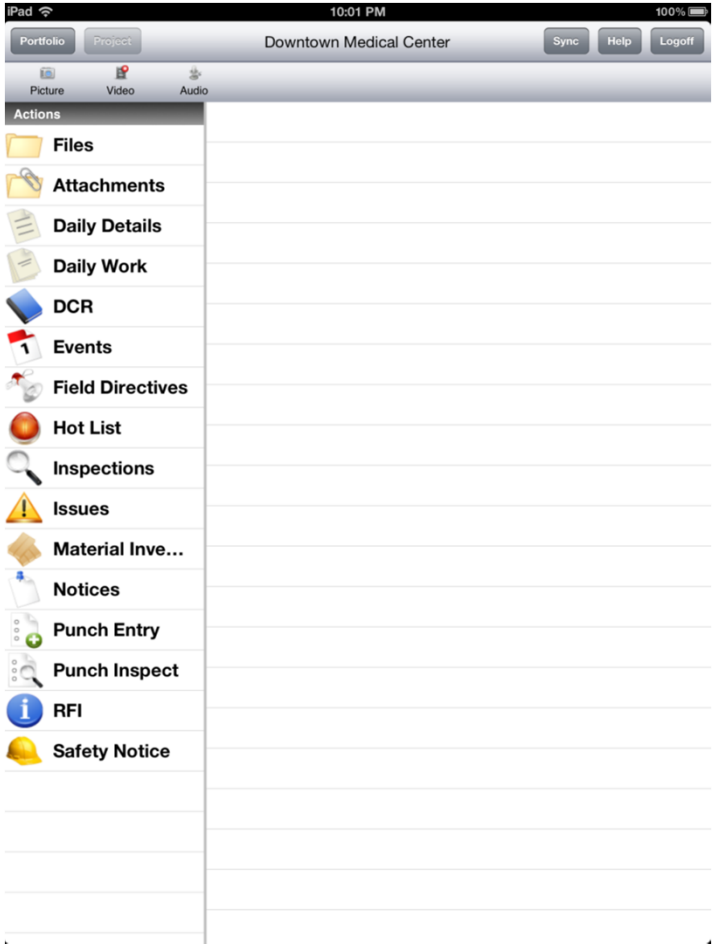
Expanded Prolog Sky Capabilities

9.00

Prolog 9.2 Features

Launch of Prolog Mobile for the iPad





9.00 9.20

Prolog 9.2 Features

Meridian Systems CUSTOMER SUMMIT 2012

Launch of Prolog Mobile for the iPad

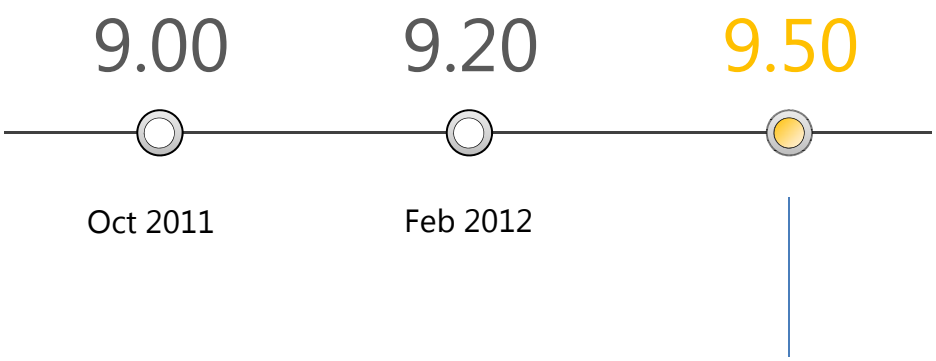
2:00 – 3:15 pm

Vision and Upcoming Features for Prolog Mobile

Presenters: Lance Tressler and Jesse Lavine, Meridian Systems

Prolog Mobile presents an exciting new platform for deploying Prolog in the field. This session will highlight the direction and philosophy for the development of Prolog Mobile, in addition to a demonstration of upcoming features including a dramatically enhanced User Interface, Checklists, Plan View and more.

Prolog 9



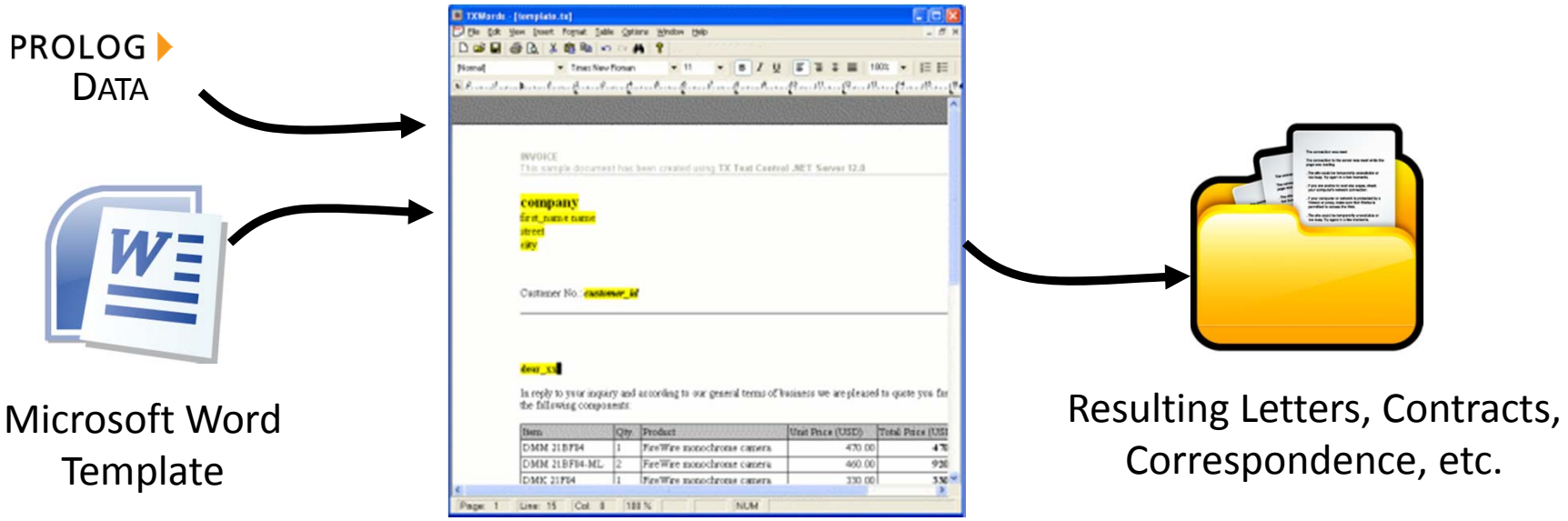
Primary Themes:

- Web-Based Word Merge
- Workflow
- Cash Flow and Forecasting
- Web-Based Purchasing
- Project Email and File Capture
- BIM Comments Viewer

Prolog 9.5 Features

Web-Based Word Merge

Web-Based Mail Merge is a feature which uses Prolog's MS Word templates and Prolog data to merge, preview, and save Letters, Contracts, and other project-related Correspondence



9.00 9.20 **9.50**

Prolog 9.5 Features

Web-Based Word Merge

Key Features:

- Merge, preview and save Prolog data into configured documents to generate Letters, Contracts, and other standard project-related correspondence
- Leverage Prolog's existing library of Word Templates
- Further customize a merged document through web-based word processing
- View and access merged documents to corresponding record

Prolog 9.5 Features

Web-Based Word Merge

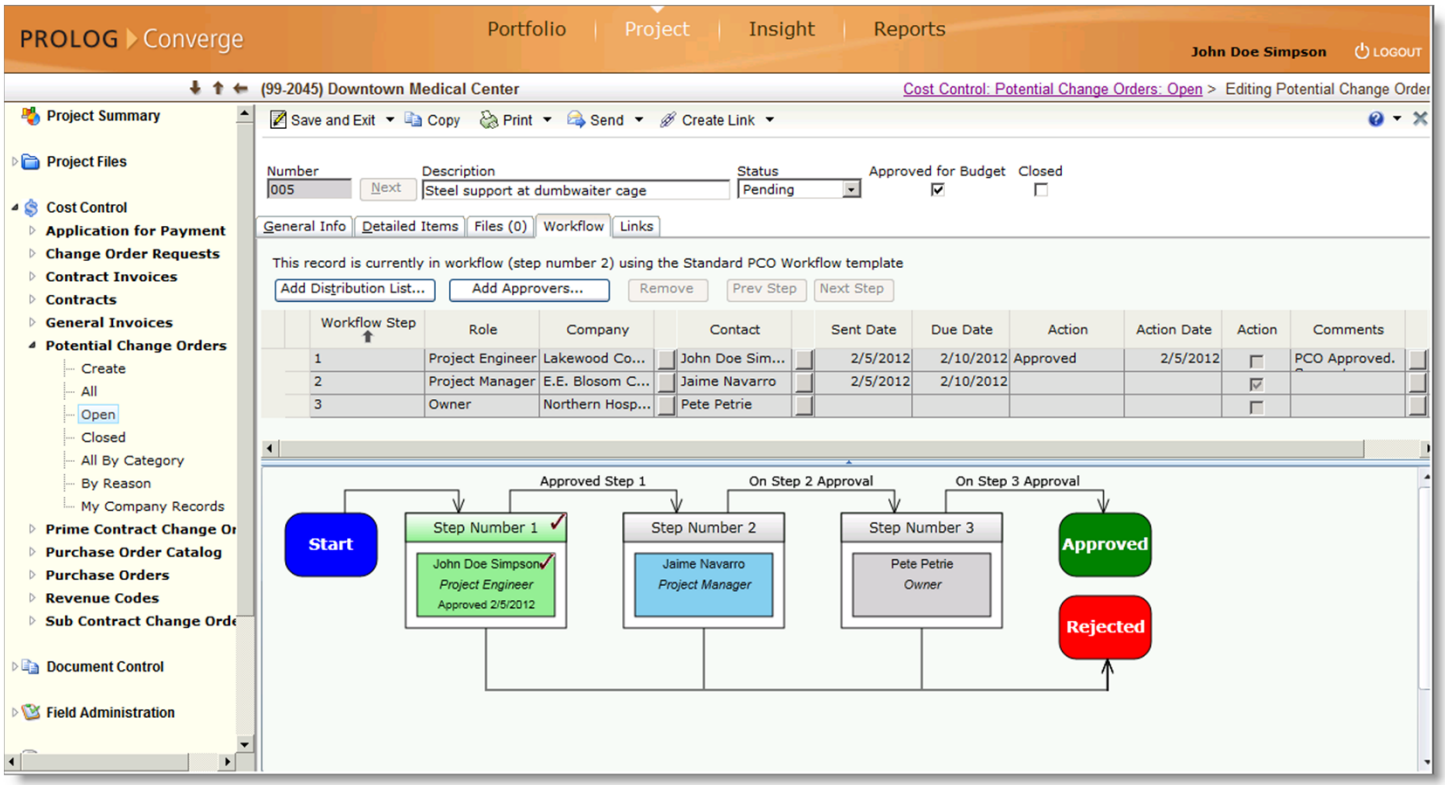
Recommendations & Tips:

- Make sure to try out any legacy templates to make sure that older features in Word are still supported
- Avoid macros (e.g. check boxes) and calculated fields – try to use UDFs instead
- Use the new template preview to make sure that you've selected the template that you intended

Prolog 9.5 Features

Workflow

Workflow enforces individual steps in a business process which requires intuition, judgment and approval to be performed



9.00 — 9.20 — 9.50

Prolog 9.5 Features

Workflow

Key Features:

- Design Workflow Templates using a graphical drag-and-drop interface
- Workflows may be designed to be performed linearly or in parallel
- Business rules are built into the templates, automating and simplifying the workflow selection process
- Support for ad-hoc workflow creation
- Send automatic email notifications to inform users when key events occur

Workflow

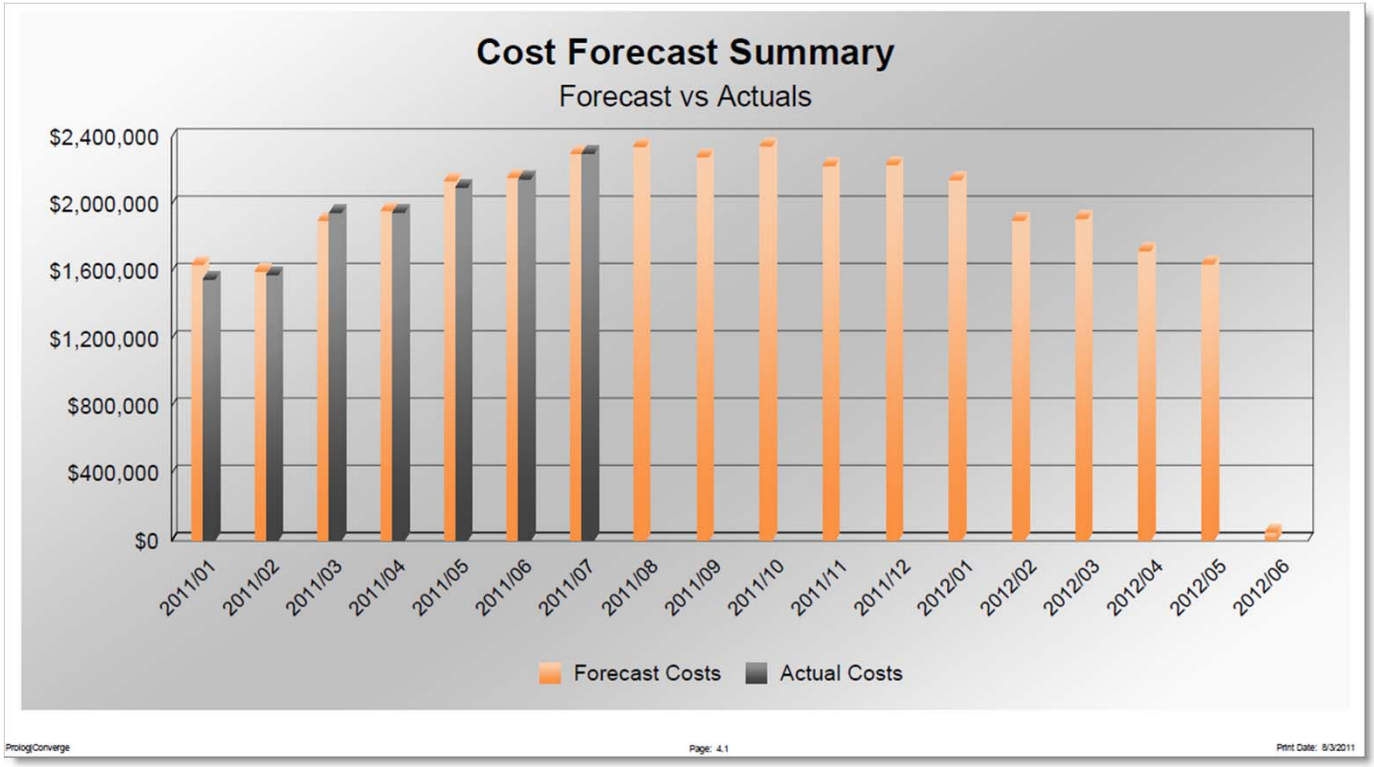
Recommendations & Tips:

- Table Based vs. Visual Design & Execution
- Take advantage of Advanced Rules & Conditions for Workflow Notifications
- Start Simple and build out – while workflow can support strict business rules, sometimes flexibility is necessary.
- Leverage the "Project Role" Approver Type as much as possible. This feature will reduce the maintenance required as users switch roles.
- Don't over-do it!

Prolog 9.5 Features

Cash Flow and Forecasting

Cash Flow Forecasting is a method of forecasting a project's future financial liquidity over a specific timeframe



9.00 9.20 **9.50**

Prolog 9.5 Features

Cash Flow and Forecasting

Key Features:

- Forecast future costs for Budget Codes, Contracts, or entire Projects
- Allocate costs using bell-curve, frontloaded, back-loaded, linear algorithms or manual input
- Graphically compare actual costs to forecast costs with project financial reporting

Cash Flow and Forecasting

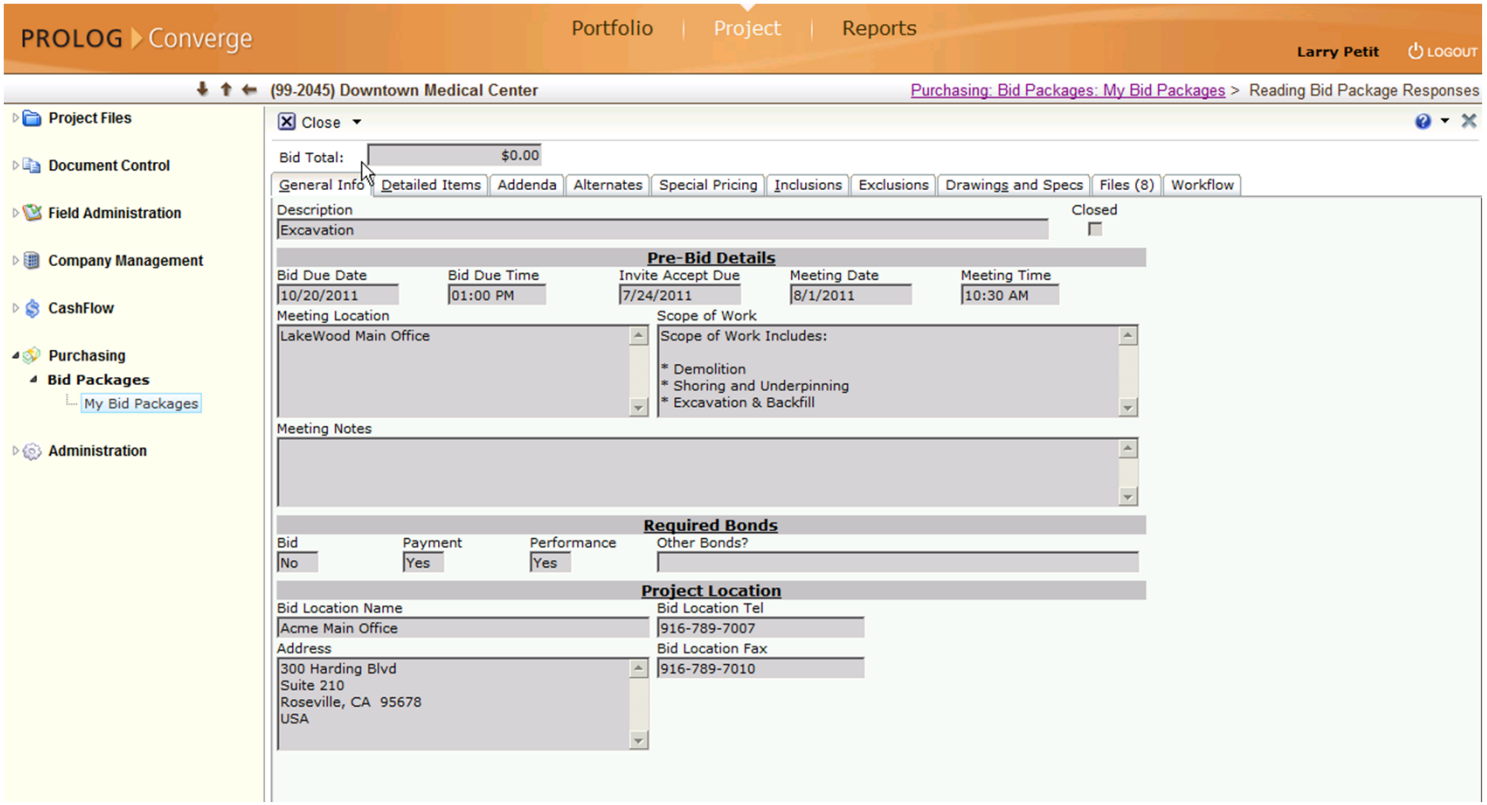
Recommendations & Tips:

- When using the Forecast at Completion form, make sure to use the built in "Copy" features to easily roll from one month to the next.
- Make use of the Forecast at Completion's form's "Load PCOs" features to easily update your forecast with new PCOs.

Prolog 9.5 Features

Web-Based Purchasing

Extends Prolog's purchasing capabilities to a more collaborative process.



9.00 9.20 **9.50**

Prolog 9.5 Features

Web-Based Purchasing

Key Features:

- Access and respond to bid packages electronically
- Provide bidders with only the bid package elements they need to participate in the bid
- Analyze bid statistics including vendor participation, response rate, win rate and more
- Electronic Company Pre-Qualification process

Prolog 9.5 Features

Web-Based Purchasing

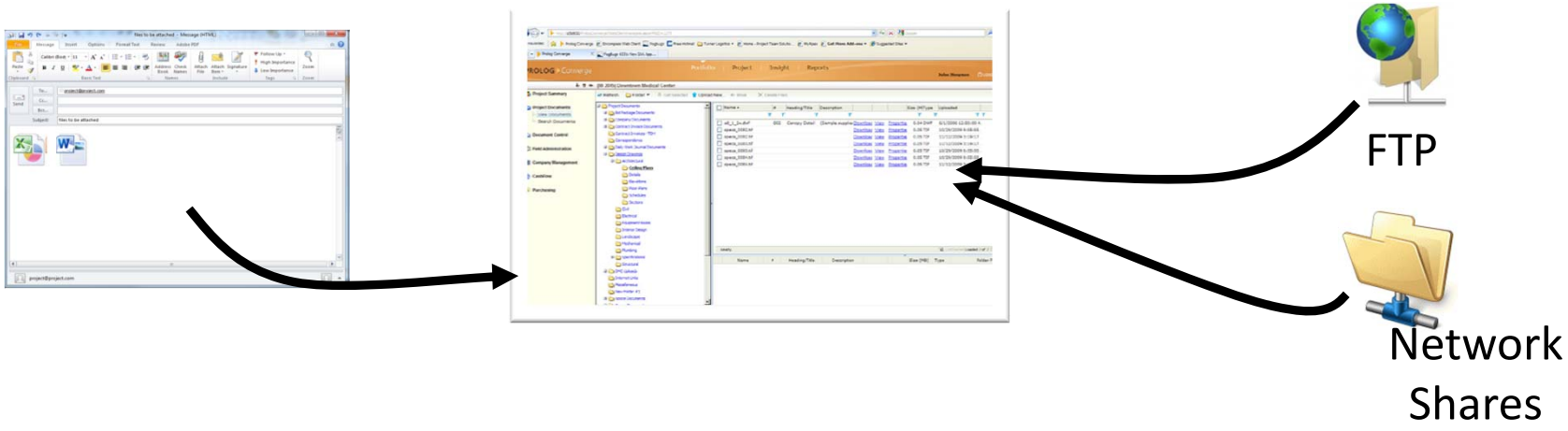
Recommendations & Tips:

- The new Purchasing module includes quite a few built in notifications. For instance, the Bid Package Form has an Invitation to Bid email which can be used to notify the selected bidders. These notifications must be enabled manually.
- Use the new Vendor-Prequal form to collect information about vendors
- Apply configuration to enable a comprehensive electronic bidding process

Prolog 9.5 Features

Project Email and File Capture

Project Email Capture and Project File Capture automate the processing of documents from external locations such as Email, Network Shares, and FTP Sites.



9.00 9.20 **9.50**

Prolog 9.5 Features

Project Email and File Capture

Key Features of Project Email Capture:

- Automatically creates Prolog Transmittal & Correspondence or Conversation Log records from project email
- Adds email attachments to the File Management System and links them to the record

Key Features of Project File Capture:

- Monitor project-specific network file systems or FTP sites for incoming documents
- Automatically transfers new and updated files into the Prolog File Management System
- Creates new folders or subfolders with appropriate Prolog security

Prolog 9.5 Features

Project Email and File Capture

Recommendations & Tips for Project Email Capture:

- the Project Email Capture feature can be used to transform project emails into either Transmittal & Correspondence OR Conversation Log records, depending on which is most appropriate for your jobs.

Recommendations & Tips for Project File Capture:

- use the "Don't delete original file" flag when configuring the monitoring of your Project Network Drives; Converge will copy any new and updated files directly into the Prolog FMS, but leave the original file intact.

Prolog 9.5 Features

BIM Comments Viewer

The BIM Collaboration Format (BCF) Viewer provides the ability to view and collaborate on BCF files in Prolog

buildingSMART International home of openBIM

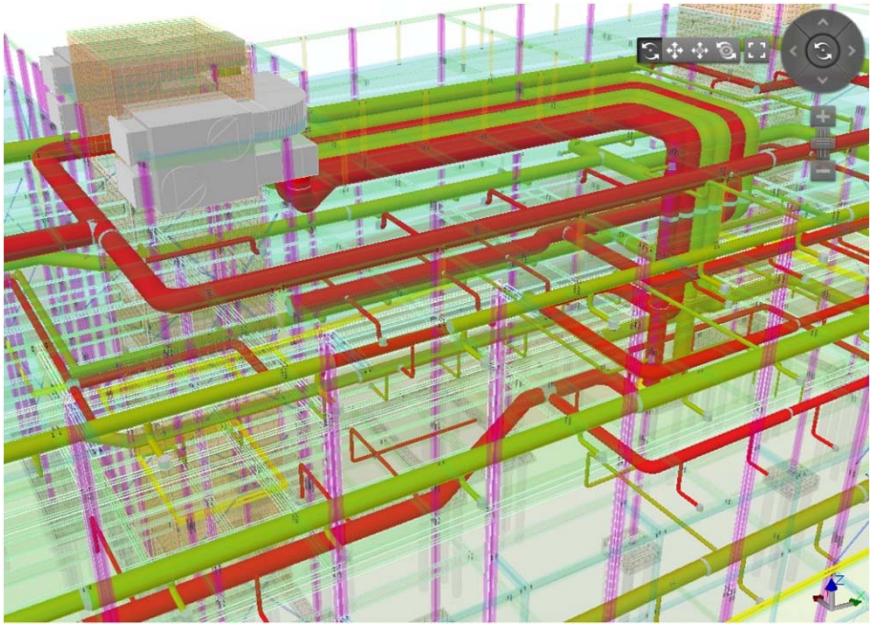
OPEN BIM

DDS-CAD

TEKLA BIMsight

Tekla

SOLIBRI



9.00 — 9.20 — 9.50

Prolog 9.5 Features

BIM Comments Viewer

Key Features:

- Store, view, and collaborate on BCF files in Prolog's File Management System
- View and add to threaded discussions between project participants without sharing full BIM files
- Transmit updated BCF file to any BCF-compliant software product

Prolog 9.5 Features

BIM Comments Viewer

Recommendations & Tips:

- While it's possible to put all conversations topics in a single BCF file, it will be easier to manage if you limit the number of conversation topics to smaller numbers (ideally only one per file)
- Use file/folder subscriptions to monitor new topics (if only there was a file/folder subscription feature, …mmmm)

Prolog 9

Meridian Systems CUSTOMER SUMMIT 2012

Web Services & The Cloud
Trimble Acquisitions
BIM+Build Value
Dashboards
Internationalization
Mobility

Meridian Trimble 2012 Recap

Meridian Systems CUSTOMER SUMMIT 2012

Year	Acquisition or Venture	Objective
2000	Spectra Precision	Technology
	TDS	Technology
2001	Levelite	Technology
	Grid Data	Domain
2002	CTCT (jt venture)	Domain
2003	NT (jt venture)	Technology
	Applanix	Technology
	MENSI	Technology
2004	TracerNet	Technology
	GeoNav	Domain
2005	Pacific Crest	Technology
	Apache	Technology
	MobileTech	Technology
	APS	Domain

Year	Acquisition or Venture	Objective
2006	XYZs of GPS	Technology
	Quantm	Technology
	BitWyse	Domain
	Meridian	Domain
	XYZ Solutions	Technology
	Intransix	Technology
	Spacient	Domain
	Visual Statement	Technology
	Eleven Technologies	Technology
2007	@Road	Domain
	INPHO	Technology
	Breining	Domain
	UtilityCenter Assets	Domain

Year	Acquisition or Venture	Objective
2008	Crain Enterprises	Domain
	HHK Datentechnik	Domain
	GEO-3D	Technology
	SECO Manufacturing	Domain
	RolleiMetric	Technology
	TopoSys	Technology
	VirtualSite Solutions (jt venture)	Domain
	TruCount	Technology
	Rawson Controls	Technology
	FastMap & GeoSite	Technology
2009	Callidus	Technology
	QuickPen	Domain
	CASIC-IT (jt venture)	Technology
	NTech Industries	Technology
	Accutest	Technology
	Farm Works	Technology
	CREEC (jt venture)	Domain
2010	Pondera	Technology
	LET Systems	Technology

Year	Acquisition or Venture	Objective
2010	Rusnavgeoset (jt venture)	Domain
	eCognition Software – Earth Sciences	Technology
	Accubid	Technology
	Cengea Solutions	Domain
	Intelligent Construction Tools (jt venture w / Hilti)	Technology
	Terralite Mining (Novariant)	Technology
	ThinkMagic, Inc.	Technology
	Tata AutoComp Systems Limited (TMT)	Domain
2011	Mesta Software	Technology
	OmniSTAR	Technology
	Ashtech	Technology
	Tekla	Technology
2012	Plancal	Domain
	SketchUp	Technology
	WinEst	Domain

Trimble Ingredients

Trimble Technology	Ingredient
Meridian	Project Management / Mobility . . .
Tekla	BIM/Detailing . . .
SketchUp	BIM/Conceptual . . .
TCC	Content Mgmt/Visual Organization . . .
Heavy Highway	Field Data Collection . . .
WinEst	Estimating. . .
Trimble B&C	Scanning Devices, Layout, Asset Mgmt . . .
Thing Magic	RFID
Other Divisions	. . .

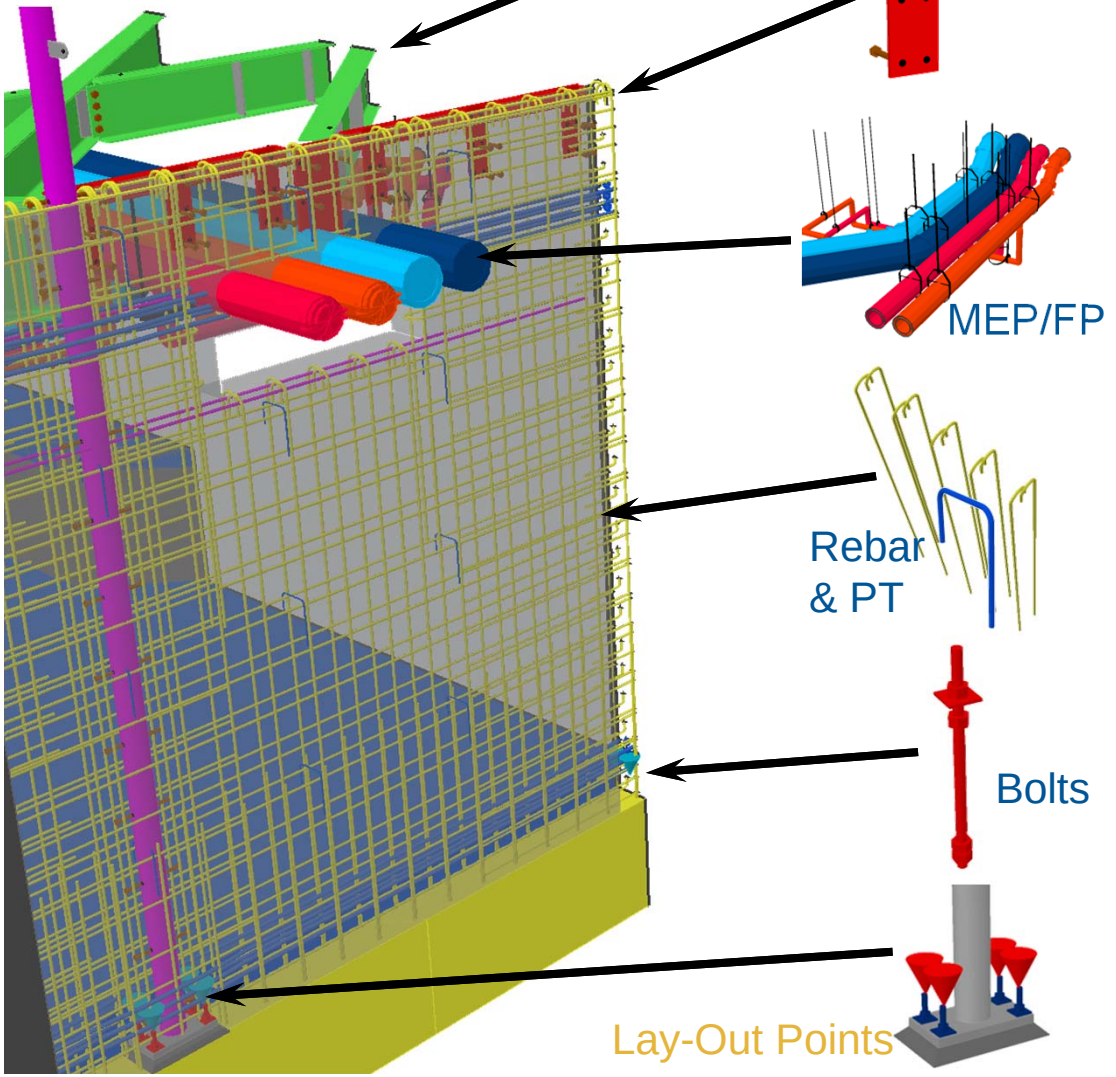
Additional Ingredients include External Partnerships

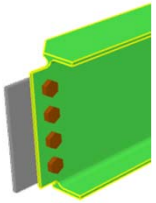
- Autodesk, ESRI, Google, Hilti, CAT and others. . .

9.00 — 9.20 — 9.50 — 9.60 — ...and Beyond

Construction BIM

TEKLA
A TRIMBLE COMPANY





Plates, Bolts & Welds

Embeds

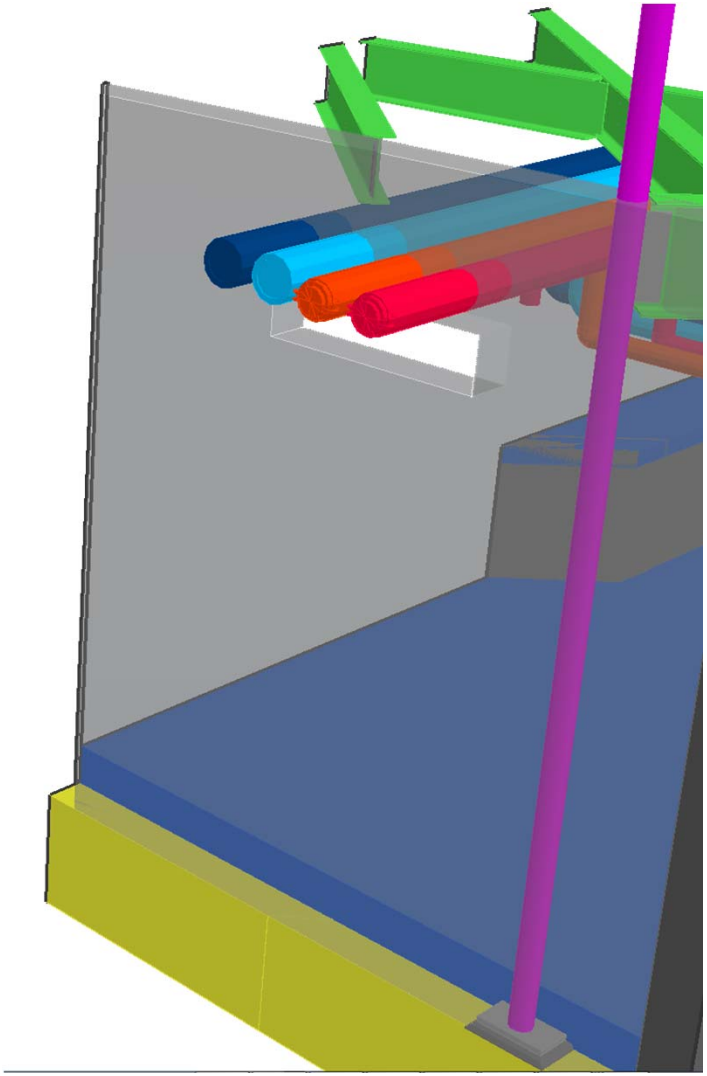
MEP/FP

Rebar & PT

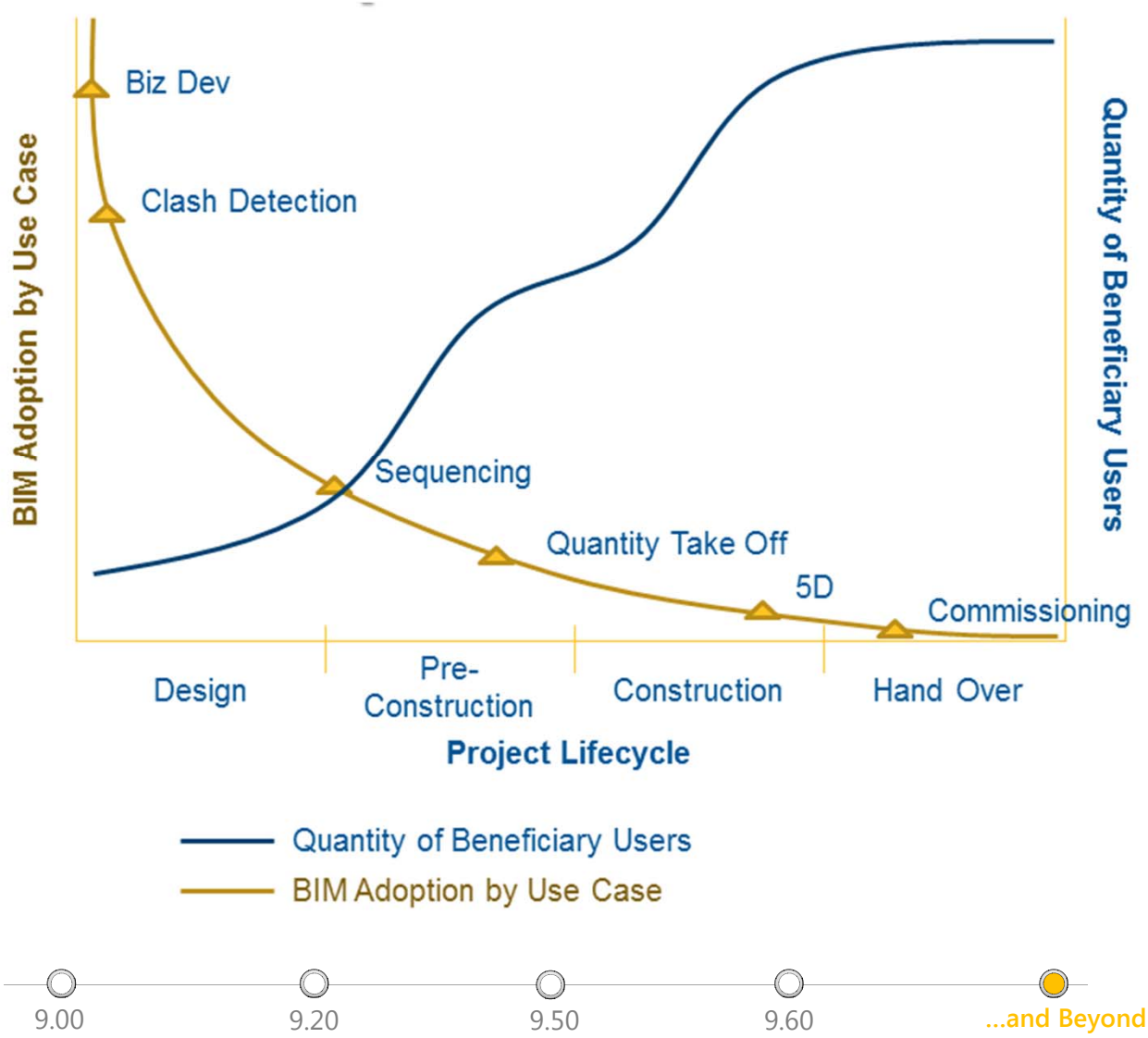
Bolts

Lay-Out Points

Design BIM

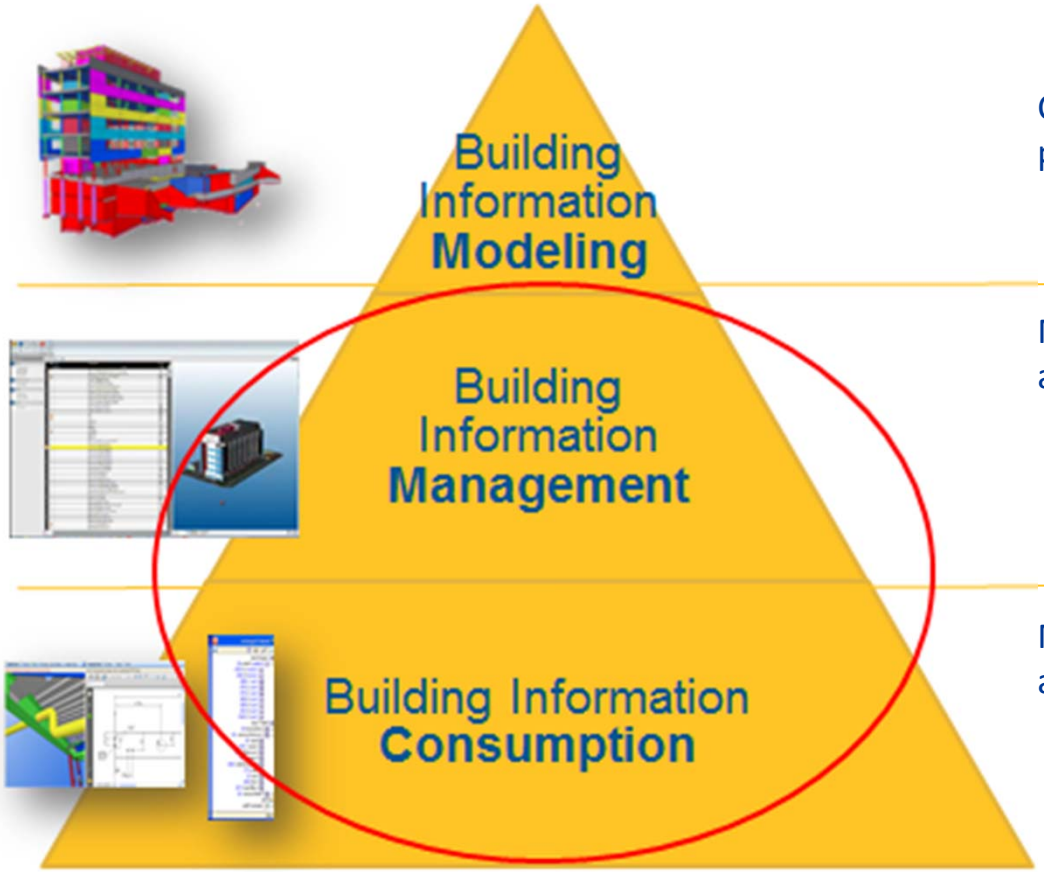


BIM Adoption



9.00 9.20 9.50 9.60 ...and Beyond

BIM Adoption



Create building objects containing geometry and properties.

- Constructible model
- Model authoring can be out sourced

Marriage of Object (scope), Cost and Schedule attributes for management and progress

- Logistics
- Optimization
- Management
- Etc.

Marriage of Object (scope), Cost and Schedule attributes for data consumption or visualization

- View
- Analysis
- Quantities
- Etc.

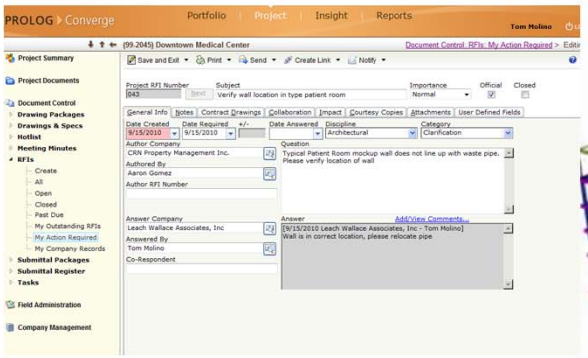
9.00 — 9.20 — 9.50 — 9.60 — ...and Beyond

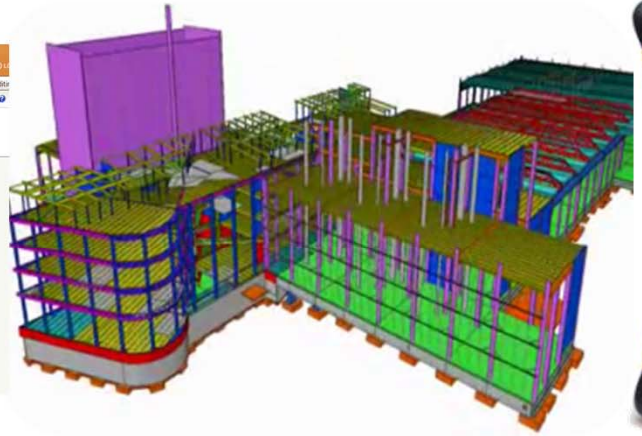
Sample BIM+Build Value

PROLOG

TEKLA

Trimble





Issue created from an anchor bolt out of tolerance

9.00 — 9.20 — 9.50 — 9.60 — ...and Beyond

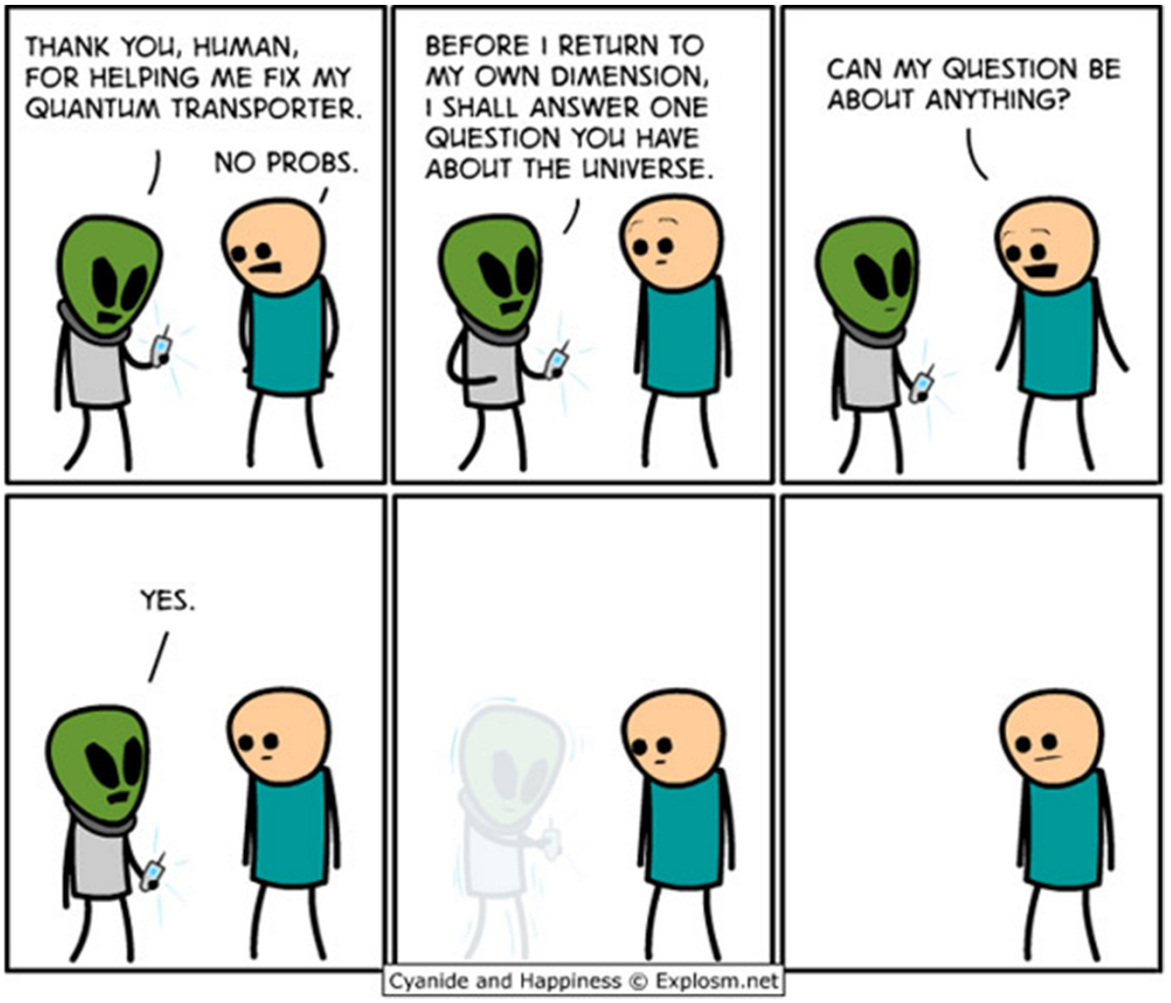
Prolog 9 and Beyond

Conclusion:

- Market is moving beyond the core PPM software applications to incorporate new technologies across the supply chain, including BIM and field productivity
- Market is demanding integrated process and data, and that data be captured at the source
- These new holistic solutions and technologies will support innovative project delivery processes such as IPD
- Market demand is growing for models from which contractors can build from
- The Global Economy is having an ever greater effect on US Construction, in terms of labor, productivity, and permanent materials

Prolog 9 and Beyond

Questions



9.00 — 9.20 — 9.50 — 9.60 — ...and Beyond