



Collaborative Project Management

presented by Dale Carlin
of West Canadian

IOSC

Who am I?

- 10 years experience in CAD Management and Mechanical Design
MCW Consultants Limited (Vancouver, BC)
VEL Engineering (Vancouver, BC)
- 9 years experience in reprographics
Pacblue Printing (Vancouver, BC)
West Canadian (Calgary, AB)
- Active member of IRGA Education Committee (International Reprographics Association)
- Autodesk member
- Greatest passion for the last 7 years has been Project Management and Collaboration technology helping to guide such projects as the Vancouver Olympic Village (Vancouver, BC), North Central Field House (Edmonton, AB) and The Bow (Calgary, AB)

Who is West Canadian?



Industry Trends in Construction

- BIM (building information modeling)
- IPD (integrated project delivery)
- Collaboration

Collaborate. Control. Construct.



The Economist, \$100 million building project generates 150,000 documents, and FedEx earns \$500 million per year shipping blueprints across America.

Collaborate. Control. Construct.



“Poor Communication between organizations is the root cause of many problems throughout the building lifecycle and has the greatest impact on cost, schedule, scope, and quality.”

Source: FMI/CMAA Fifth Annual Survey of Owners

Keys to Successful Projects

Skilled and responsible people

+ Information Visibility (interoperability)

+ Communication

+ Process

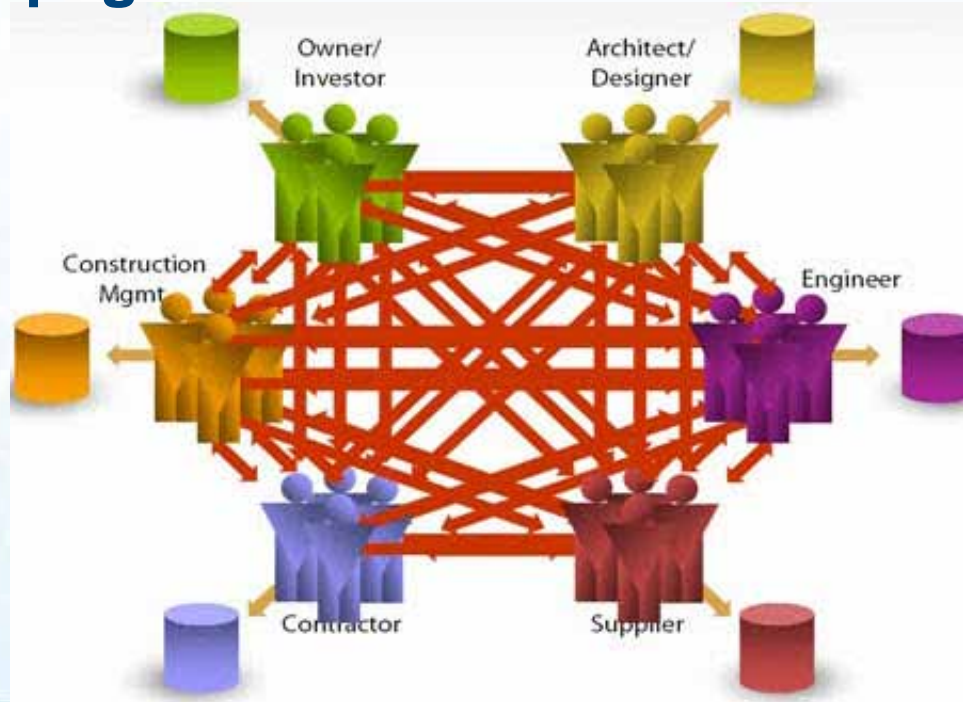
+ Accountability

= Success

Web-Enabled Collaboration

- Brings people and information together in one collaborative workspace:
 - Ø Centralizes information and makes it visible
 - Ø Controls access to information
 - Ø Manages the flow of information
 - Ø Fast-tracks distribution of the latest information
 - Ø Facilitates productive interaction and collaboration on information
 - Ø Keeps track of all activity in the workspace
 - Ø Empowers team management for more productivity

Spaghetti Bowl Communication



The Collaborative Workspace



ProjectConnect Collaborative Environment

- Multiple, redundant communications, un-secure email attachments and little or no version control
- Zillions of blueprints & pages that have to be sent via courier and reprinted with each version
- The possibility of working with information that is not the very latest or most accurate
- Not knowing the status of important tasks and associated documents, drawings and models
- Having to look in lots of places for, and possibly losing important information
- The potential to increase risk and legal liability due to lack of data/asset visibility and control
- A single location to send and receive email, upload files and create markups/annotations
- Digital files that ship instantly are accessible/viewable online and versioned automatically
- Instant notifications when new information, files, tasks, changes or notes are available/generated
- Highly-structured workflow processes that have built-in accountability and status views
- A secure information repository including a full search engine, as well as a complete audit trail
- The power to reduce risk and liability via 24/7 data visibility and increase control

Supported Information Types

- Unstructured
 - Documents
 - 2D Drawings
 - 3D Models
 - Web pages
 - Faxes
 - Email
 - Media
- Structured
 - Database
 - Workflow
 - Reports
 - BIM

Valued Summary

- Direct, controlled and timely communication
- Better, faster decision-making
- Confidence, control in dispute resolution
- Risk management and reduction
- Fewer costly mistakes
- Forced accountability
- Better resource coordination
- Reduction in overall admin costs

If Information and Communication Can Be Managed Better, Then:

- Reduce potential risk/liability
- Optimize resources/budget
- Deliver projects on/ahead of schedule, on/under budget
- Repeat success
- Repeat business, loyal customers
- Re-use information, increase knowledge, stay competitive

Collaborate. Control. Construct.



Quick Demo

Collaborate. Control. Construct.



Conclusion