



## Autodesk University Round Table Summary

SESSION TITLE	Real-Life Stories from the BIM Patrol
SESSION ID	AB1462-R
SPEAKER	Matt Dillon; Matt Stachoni
COMPANY	Enceptia, Inc., CADapult Ltd.

### MAIN DISCUSSION POINTS

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- What are your primary concerns about the BIM process, or those things that have been the largest impediments to moving forward in your BIM implementation?
- What issues or problems have you had sharing data with other members of the design team, both inside your organization and outside?
- Do you continue to look for opportunities to push the envelope and evolve your BIM capabilities further?

### KEY TAKE-AWAYS

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Barriers, impediments and concerns:

- Collaboration with others of the same discipline
  - No clearly defined lead or scope
  - VDI solutions such as VMware, Citrix, etc. are useful for multiple collaborators in different offices
    - Work well at the user level
    - Problematic and resource-intensive for IT/Support
    - Licensing issues
- Liability issues with the model
  - Use of disclaimers is common
  - Possible solution is to deliver the model with all views, title blocks, seals, etc. removed.
  - AIA Document B-106 provides some language to address liability
  - AIA Document E-202 provides standardization as to Level of Development
- Inaccuracies in the BIM are a problem for downstream users, sometimes resulting in tedious and time-consuming re-modeling to avoid RFI's and change orders.
- Communication shortcomings are highlighted with a BIM process.
- Technology is becoming more and more complex.



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- There is sometimes a client-consultant disconnect, where the client is not educated in the capabilities and limitations of BIM or does not clearly specify their requirements in the deliverable.
- The use of outdated techniques and management for new technology and processes is a frequent problem.
- Billing and Staffing resources change, sometimes radically with a BIM process
- There is sometimes some confusion as to what is an appropriate level of detail in the design phase of a project if there is no clear requirement.
- There is currently a disconnect between technical proficiency on the part of younger design team members and industry knowledge and expertise on the part of older members.
- There is currently a lack of standards for modeling and collaboration across multiple disciplines

### Opportunities:

- Clients are beginning to look at using the model for CMMS and FM. This is usually done with an as-built model, not the design model.
- CobIE Data is being requested more and more often
- The use of BIM is beginning to result in trades and subcontractors being involved earlier in the process.
- Design/Build benefits to a much greater extent from a BIM process
  - Change-Management
  - Reduction in project costs
  - Acceleration of project schedule