

CAD For Principals Council

Hillier

Robert C. Ritger, AIA
Director of Design Systems
Hillier
Princeton, New Jersey

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Background Information

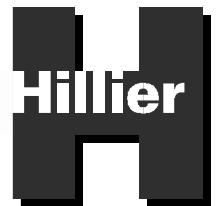
} Firm Information

- 500 Employees in 7 Offices
- 375 CAD Users
- 235 MicroGDS, 75 AutoCAD, 24 ADT, 17 Revit, 6 MicroStation
- OS = Windows 2000 & NT
- 5 offices = Mixed Platforms
- 2 offices = 100% AutoCAD
 - AutoCAD is mostly in place due to acquisitions.



Personal Information

- } Started at Hillier in 1985
- } 2 Years with Philip Johnson and John Burgee in NY
- } Licensed Architect
- } 1993 Switched from Project Architect role to start "Image Lab"
- } Director of CAD Operations 1995 - 2000
- } Director of Design Systems 2001- Present
- } CAD for Principals Council - Fall 2000



CAD For Principals Council

- } Evaluator
- } Analyzed Criteria From Principals
- } Developed Metrics
- } Scored Revit
 - Objective scoring
 - Low score with some 0's
 - Room for Improvement



CAD Council

- } Representatives from All Offices and Practice Groups
- } Develop Criteria for Evaluation
 - C4P Criteria is our basis / core
 - "Hillierize" the criteria
- } Identify and Launch Test Projects
 - 2 real projects for each software to be tested (involve multiple offices if possible)
 - Revit, Architectural Desktop, Triforma



CAD Council

- } Periodic User / Team Reports
- } Troubleshooting Reports
- } Financial Participation From Firm
 - Training
 - Learning Curve / Startup Time
 - Software
- } Score each product
- } Select The Platform



CAD Council

- } Sell the winning platform choice to the firm management and staff
- } Roll Out / Implementation
 - Standards
 - Library of component objects
 - Library of details
 - New procedures



Status - ADT

- } 2 ADT Projects Underway involving 4 offices
- } Project #1 (Interiors Team) has experienced significant problems in one office and is abandoning the 3D model - falling back to 2D drafting.
 - Issues:
 - Staffing / Lack of Champion
 - Consultant data issues - object enablers
 - Difficult to learn the software without Prior AutoCAD experience
 - Fast Track Pace



Status - ADT

} Project #1 has also been successful in one office (Core And Shell Team).

- Reasons for success:
 - ADT Champion / Expert
 - Original team is still on the job.
 - Entire team had previous AutoCAD experience.



Status - ADT

- Project #2 has struggled
 - Difficulty handling renovation / demolition / new.
 - Consistent plotted output has been nightmarish. (Actually swapped out Plotters)
 - Little rendered output - 3D Studio required.



Status - ADT

- Project #2 has persevered
 - Still has its champion / expert
 - Most team members had prior AutoCAD experience
 - Team is still in tact
 - Endured problems with detailer
 - Installation options / configuration obviates the need for customization.



Status - Revit

- } One previous project completed with version 2.0
- } 2 large projects launched (a 3rd gets underway next week)
- } Project #1 = Dormitory
 - Team trained in 2 days (versus 5 for ADT)
 - Successful output on first try
 - Extremely short learning curve
 - Better than expected DWG output
 - Still in the "Honeymoon" stage



Status - Revit

} Project #2 = International School

- Team trained in 2 days (versus 5 for ADT)

- Non-CAD Lead designer is using electronic tools for the first time

} Project #3 = Office Core and Shell



Thoughts / Questions

} Predictable Results based on CAD For Principals Study

} Some key Issues:

- Must have a champion for software
- Consistent team lineup
- Plotted output is critical
- Easy to use

} Triforma test will begin next month

