AU2007 - Revit Effective techniques for large projects

- **Integrating BIM content from other platforms**
- **Managing sheet revisions**

- **Speakers**
  - James Van
  - Robert Manna

- **Deployment**
  - Requirements
    - 3gb ram +
  - Save to central (STC)
    - *Effectively download, process, upload*
    - Reload latest changes
      - If you manually reload STC will be faster
    - Save locally first
      - If STC crashes close, restart RVT and STC again and will likely work
  - Working remotely
    - Ishare
      - Software solution with limitations
        - Network hiccup can corrupt central
    - SOM use DFS
      - Local work server
        - Local active project
        - Save to sync server
      - Servers are synced across offices
      - Local office links to cloned central file
    - Off line
      - Open current copy and detach from central
  - Deployment
    - Remove old, then install new
    - Deployment assumes new is there(?)

- **Large Teams**
  - SOM
    - Arch
    - Digital design manager
      - Structures project and manages content
    - Design team
  - Burt Hill
    - Project architect is digital model master
    - Practice groups specs process and content
    - Model audits
      - Evaluate validity of model, model data and "correctness" of model
      - Used to generate best practice
      - Spreadsheet used to evaluate and feedback

- **Dataset organisation**
  - **Standards and settings**
    - Consistent
      - Deployment
      - Font mapping
    - Protect that file
      - Export templates
    - Ensure common names are used across the team
      - Custom sub-categories
        - Avoid "Elevator" being
          - Lift
          - Elevators
          - Elevator
          - Lifts
    - Add company shared parameters
      - Custom family templates
        - Begin with Autodesk one
  - **Family**
    - Consider no model geometry unless you need to view or schedule
      - Early on "use placeholders!!!!!!" to avoid modelling
      - Use level of detail!
  - **View management**
    - Browser organisation
      - Add sheet parameters
        - Classification
          - Type of sheet other than discipline
        - Sort
          - Can control shorting other than by name/number
        - Can also use this for views
          - Categories within the default
    - "Save to Central View"
      - Blank view used when you save to central will make opening/saving to the central file much faster
    - View templates
      - Create with a linked file and then you can control the linked file
        - In structural turn off stick view
      - Can assign as the default for a view
        - Before printing can select all sheets and can right click and apply the default template FOR THAT VIEW in one hit
          - Warning is that it will wipe out any customisation of view viz
    - Dependent views
      - Child views have their own crop area, both visible in the parent
      - Matchlines are an object with styling
      - View ref
    - Filters
      - Can be used to org doc sets
      - Can be applied to multiple views
        - Maybe DEPT!
  - **Worksets + Links**
    - Worksets
      - Best practice
        - Worksets are not layers
        - Functional org not objects
          - Always create for each linked rvt file
        - Don't open and work in the central file
          - Copy local and rename
          - Automated script copy to folder and edits ini file(project path) and user name (delete and rvt will adopt windows one)
            - Good idea to archive local files
      - Opening closing
        - Enable elements, not worksets
        - Open only what you need, not all

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