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# Integrating GIS and IWMS at Curtin University

Stu Rich, CTO, PenBay Solutions

Roslyn Gray, Program Manager, Business & Technology Solutions, Curtin University

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- Introductions
- What is the problem we are trying to solve?
- What solution did we implement?
- Challenges along the way
- What was the value delivered?
- Next Steps





## Curtin University



- Largest University in Western Australia
- 40,000 Students on Bentley Campus
- One of the world's top 300 Universities
- 214 Bldgs, 3+ M sq. ft.



- Wanted campus-wide view of facilities issues:
  - Space & Occupancy
  - Work Order Patterns
- Wanted more intuitive reporting to management
- Had no GIS



## Team of incredible IT professionals



Roslyn Gray, Program Manager | Business & Technology Solutions | Properties

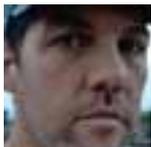


Brian Woodman, Team Leader – Systems Support | Business & Technology Solutions | Properties



Tom Straker, Systems Analyst | Business & Technology Solutions | Properties

Alan West, CAD Manager | Business & Technology Solutions | Properties



Marshall King, Senior Solutions Manager | BRG

- No GIS data
- No GIS systems experience
- Typical CAD data anomalies
- Restrictive IT provisioning environment



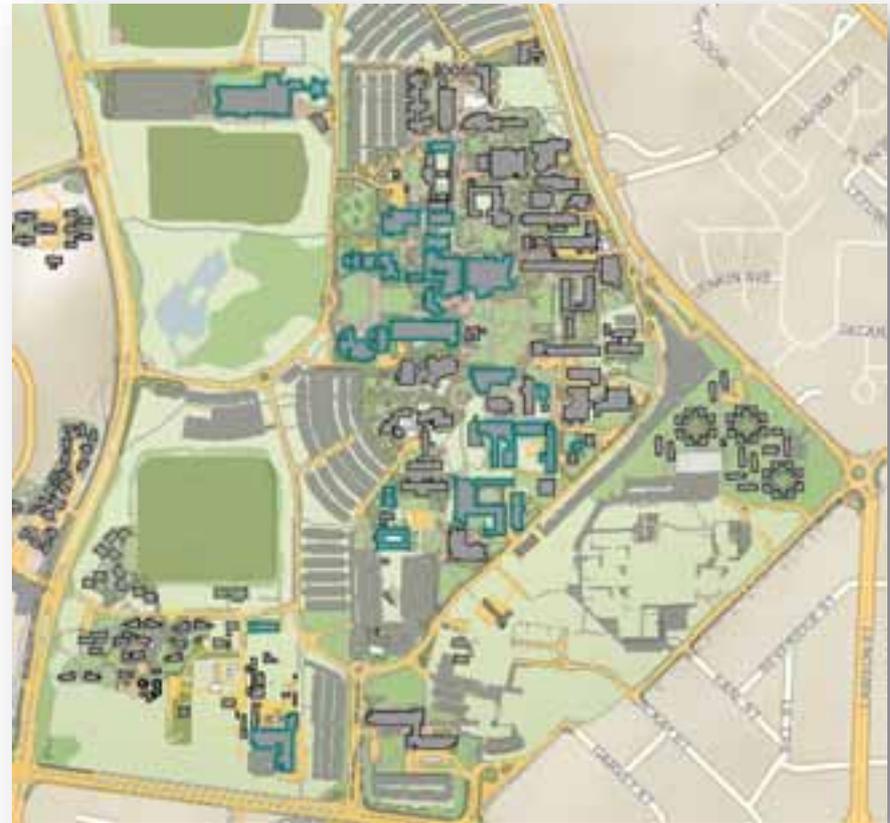
## Key Solution Components:

- Base map creation
  - Local Government information model
- Building & Space data migration
  - InVision FME workbenches
- InVision implementation & configuration
  - PenBay & Esri Australia
- ARCHIBUS integration
  - BRG & PenBay



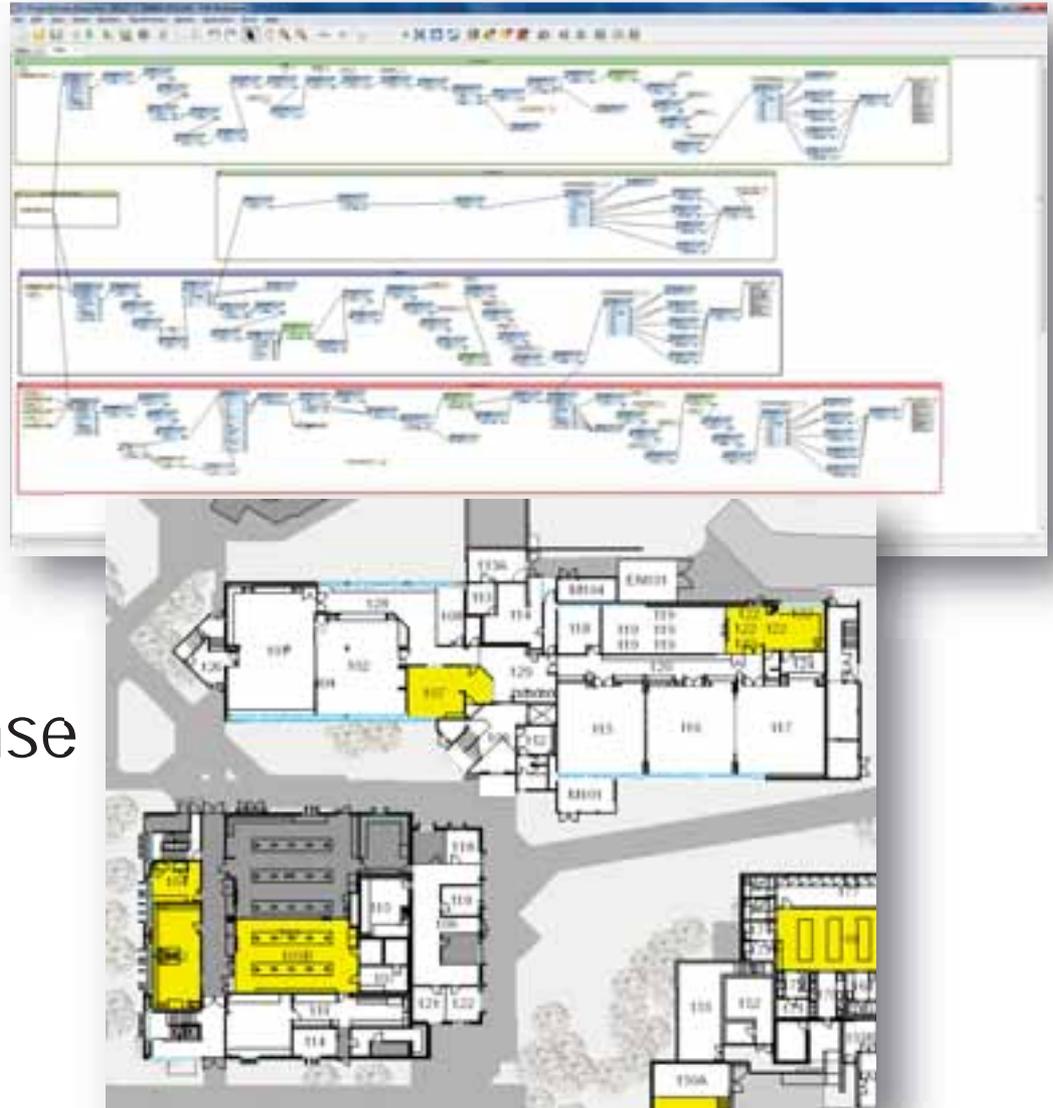
# Base Map Creation

- Local Government information model
- Campus base map editing template
- FME workbenches for data conversion
- Alternative gray-scale base map
- Generate map cache



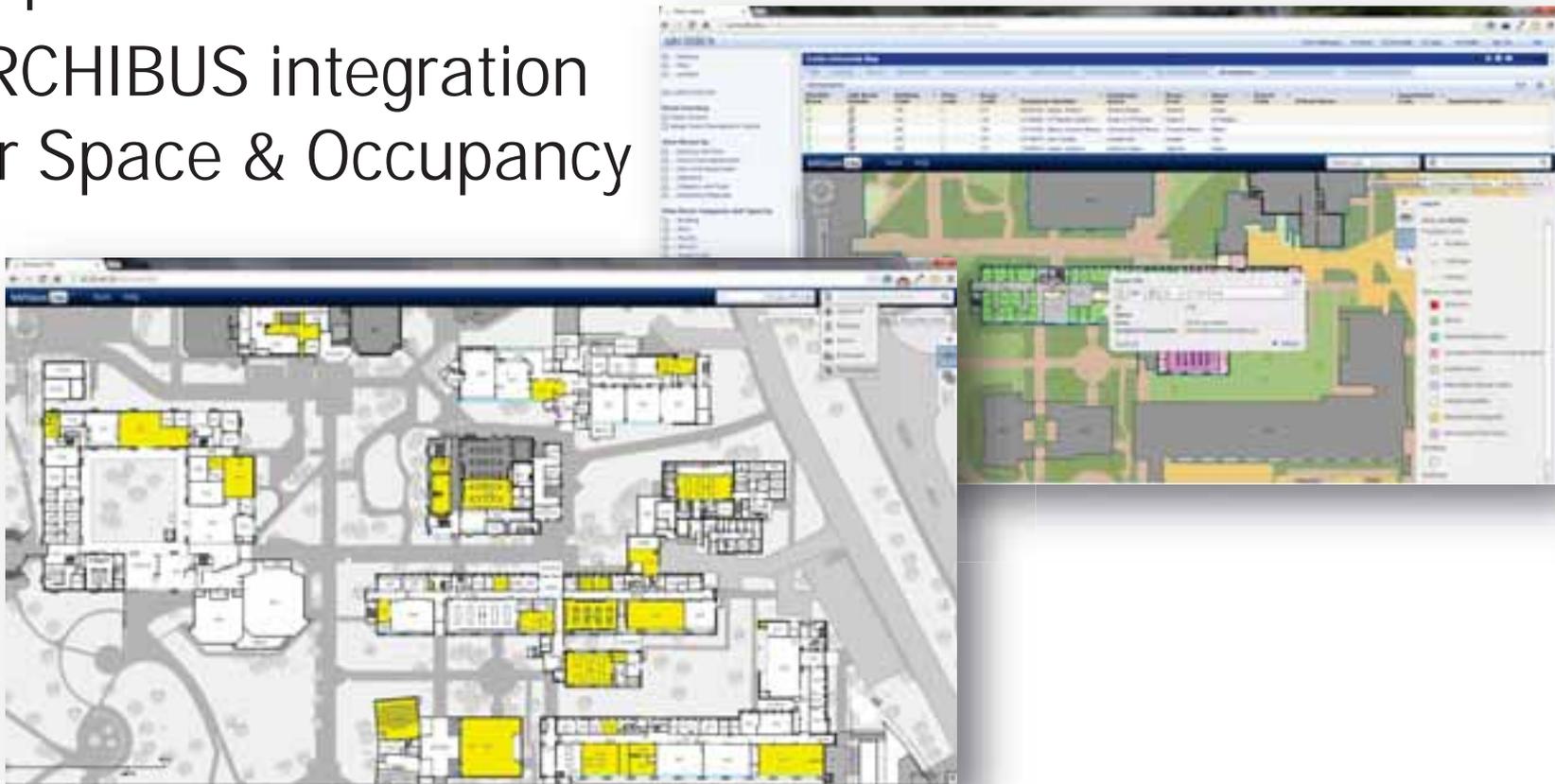
# Building & Space Data Migration

- Data structure organization
- Geo-referencing building footprints
- FME workbench tweaking & tuning
- Data load & QA (rinse & repeat)



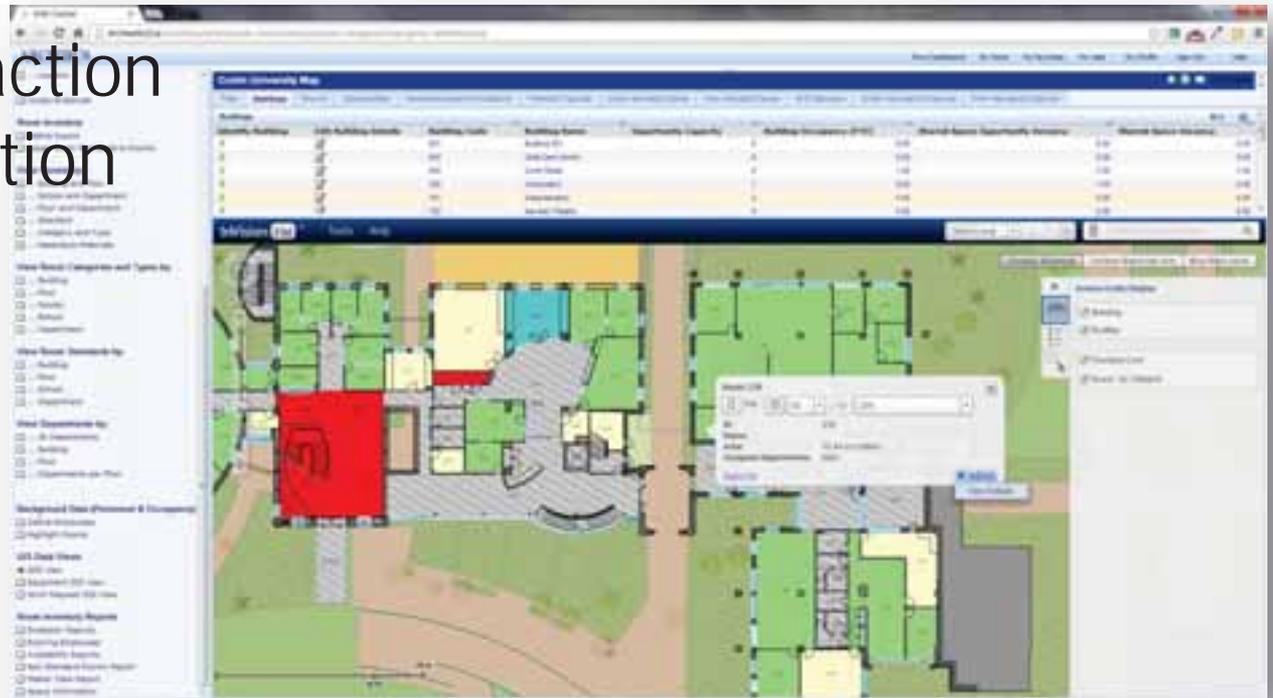
# InVision Implementation & Configuration

- Stand-alone for service request metrics
- ARCHIBUS integration for Space & Occupancy



# ARCHIBUS Integration

- BRG lead
- ARCHIBUS view and spatial view creation
- ARCHIBUS action implementation



- New campus-wide visibility of Space & Occupancy patterns
- New campus-wide visibility of Work Request patterns
- New data management processes & work flows
- More intuitive reporting to space managers
- Foundation GIS capabilities established
- Happy Ros!



- InVision Secure implementation 2013
- Integration with automated parking system
- Enhanced data management work flows
- Integrate Kalgoorlie campus



# Questions?

Stu Rich, CTO, PenBay Solutions  
srich@penbaysolutions.com  
(p) +1 207.691.1546

