

When three become one!

Enterprise GIS at the Department for Transport,
Energy and Infrastructure: a business case study in
return on investment

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DTEI

- Large SA Government Department
- Employs approximately 3500

- Roads
- Public transport
- Land divisions and land records
- Energy efficiency



History

- Began using GIS in 1993 in the Transport Services Division
- Technically determined
- Ad hoc GIS growth department-wide
- The Spatial Integration Information Services project



Background

- In 2006, DTEI's executive group decision to rationalise
- GIS Strategic Plan 2007-2012 written
- GIS Office created
- In 2008 David Harvey replaces David Goodwins as Director of GIS



Background

- Formation of GIS Steering Committee
- Steering Committee recommends rationalisation



Previous state

- Ad hoc growth caused entropy
- 100s of servers scattered throughout the Department
- Redundancy



Current state

- Approximately 50% of DTEI employees use spatial data in some capacity
- Federalised structure
- Corporate Data Repository
- Spatial Data Sharing Initiative (SDSI)



Current state

- Streamlined approach
- 250 ESRI licenses and < 10 of AutoDesk and MapInfo
- Fixed licenses for specialists only
- Floating licenses for the organisational users
eg environmental scientists and planners
- Move towards web-based services eg Property Location
Browser



SDSI

- It has committed stakeholders
- Budgets have been slashed post-GFC
- There is a longer-term commitment to success



Challenges

- Maximise the return on investment from GIS at every opportunity
- GIS Office has a mandate, but limited budget, limited staff, and a short-term politically volatile agenda
- Funding for the GIS Office runs out in 2012



Conclusion

- DTEI's Executive have recognised the value of GIS to the organisation
- Must give the GIS Office more authority to make decisions
- There is no point building an enterprise GIS to simply watch it fall apart - it must be maintained



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Questions

