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# Investing in Digital Mapping for Grounds Maintenance

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24 May 2011



# Digital Mapping of Grounds Maintenance

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## Overview of Thames Valley Housing

- Own and manage 14,000+ homes
- Approximately 5,000 rented & leasehold and 4,000 commercial homes
- Geographical spread, homes in over 42 Local Authorities
- 80% of stock is less than 20 years and estate based
- Significant growth in number of homes owned in last 6 years

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## Grounds Maintenance Service

- 260+ estates
- Split into 3 geographical areas, London, M3 & M4 corridors
- Annual value of £900,000+
- Some 150 homes paying more than £500 per annum for grounds maintenance alone
- Service previously procured in 2005
- Generic standard and address information formed basis of tender documentation

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## Challenges

- No detailed information on grounds areas to be serviced
- Uncertainty about ownership and estate boundaries
- Tenderers had to visit each scheme individually to price
- Unable to benchmark our costs with other housing providers
- No agreed pricing data for new schemes
- Delays in agreeing pricing and service charges
- Delays in agreeing refunds for tasks not completed
- Challenge to demonstrate value for money

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## Approach to re-procurement

- Classify and measure all grounds usage
- Establish ownership boundaries
- Consult residents on development of service
- Research GIS, OS mapping data and Land Registry boundary line data
- Detailed selection process for Geo Information System
- Approval of project and associated costs

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## Project Summary - timescales

- Approval on Project 30 October 2010
- Additional resource for 15 weeks
- Installed CadCorp in late November 2010
- 1<sup>st</sup> Tranche Ordnance Survey Mapping Data December 2010
- Land Registry Boundary line February 2011
- Completed mapping by end of April 2011
- Completed Cost Matrix for Grounds Maintenance April 2011

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## Project Summary - costs

|                                       |            |
|---------------------------------------|------------|
| • GIS Systems Review                  | £10k       |
| • CadCorp Licence, support & training | £7K        |
| • Mapping Data                        | £7k        |
| • Additional Resource                 | £12k       |
| • <u>Boundary line data</u>           | <u>£3k</u> |
| • Total                               | £39k       |

4.3% of £900k of annual costs (One off costs)

1.5% of £900k of annual costs (annual licences)

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## Future Uses

- Plotting of tree survey
- Plotting of boundary walls and fences and ownership
- Measurement of access roads for asset management
- Verification of areas of major component renewals i.e. roofs, walls etc.
- Asset management review using geographical representation

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## Questions?