



GIS for Grounds Maintenance



White paper by
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As a supply partner on Fusion21's Grounds Maintenance Framework, we provide clients with the knowledge and support to take control of their geo-spatial data.

We create, capture and manage asset-based data records for housing associations, educational institutions and local authorities.

This property data, held in a Geographic Information System (GIS), helps organisations achieve cost and efficiency savings in their Grounds Maintenance operations.

Accurate external asset data

A GIS can be used for Grounds Maintenance by providing information on the extent and make up of ground cover, maintenance responsibilities or the extent of property boundaries.

It can also store other asset information including areas of grass, shrubs, trees and hard surfacing, as well as other maintainable assets such as benches, CCTV cameras, lighting, signage, play facilities, etc.

The GIS provides a collaborative and intuitive environment, where graphically illustrated data can be quickly accessed and updated by all authorised stakeholders via a web portal.

Data verification, validation and collection

We use a variety of methods for capturing the GIS information. These include traditional GIS desktop studies, using Ordnance Survey MasterMap, open sources and other client supplied material.

We are unique in offering a site surveying service to physically verify the accuracy of existing records, helping you fill gaps in existing data, or to provide new measured records.

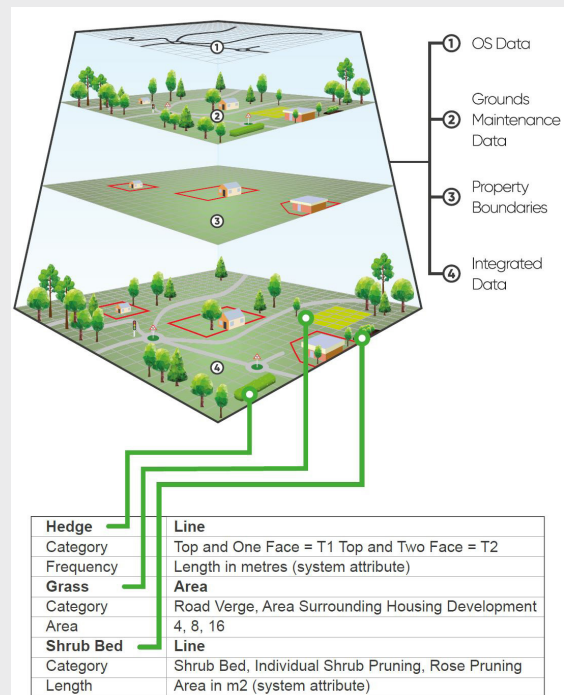
Benefits of GIS for Grounds Maintenance

Grounds maintenance teams can extract and analyse the information about their property assets held in the GIS to:

- Ensure contractors are tendering on accurate and consistent information
- Identify maintenance responsibilities at specific locations or groups of locations
- Calculate drive times from depots to sites
- Improve communication and understanding using map-based graphics

What is GIS?

In simple terms a Geographic Information System links specific features on a map to a database holding related information about those features. Groups of features (eg asset locations, land use or property boundaries) embedded into data layers can then be interrogated or styled to reveal valuable insights, patterns, trends and relationships.



Conclusion

For operations teams, the use of GIS software and datasets for Grounds Maintenance provides an opportunity to reduce errors, deliver efficiency savings whilst also improving service. For example, since implementing GIS in 2012 one Housing Association has reported savings of 20% on their Grounds Maintenance contract.

**Ready to get your
project started?**

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