

# GEOGRAPHIC INFORMATION SYSTEMS (GIS)

**Our understanding of the importance of asset and resource management enables us to provide you with a range of survey solutions that facilitate efficient asset management and space planning that can be used time and again. The management of resources, assets and facilities can be carried out in the optimal manner when based on an efficient Geographic Information system.**

Do you want to gather all relevant data on the current environmental resources in an area or region; its soil, water, air quality, flora, fauna or infrastructure? Are you looking to establish which areas are likely to be affected by flooding? Perhaps you want to use a modern GIS to plan city development or want to prospect for mineral resources? Would you like to manage the infrastructure of a city, harbour or industrial area to maximum effect using GIS? Do you need 3D models of your city, industrial parks and housing estates?

From aerial photography, to mapping, to implementation of GIS we bring together the right technology, the right ideas and the right solutions.

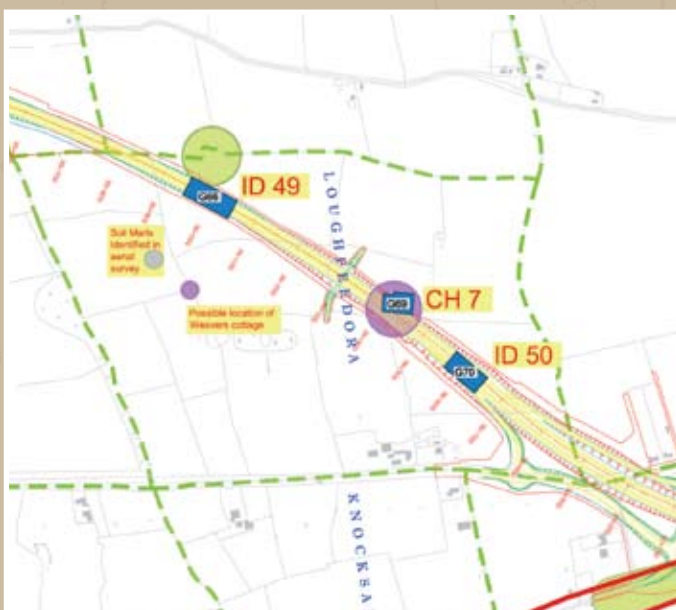
GIS is a system for capturing, storing, analyzing and managing data and associated attributes which are spatially referenced. In a more generic sense, GIS is a tool that allows users to analyze the spatial information, edit data, maps, and present the results of all these operations.

GIS technology can be used for scientific investigations, resource management, asset management, environmental impact assessment, urban planning, cartography and criminology to name but a few.

Working closely with our clients we can provide surveys which assist with your required management plans and which also deliver added value. This means that our data can be re-utilised continually whenever a space is being considered for re-zoning, development, refurbishment, letting or rating among others, thus avoiding the need for re-measuring exercises.

Geographic Information Systems are ideally suited to the following needs among many others:

- Farm, estate and land management and documentation
- Environmental impact studies
- Property management
- Locations and dimensions of a dangerous waste dump
- Resource and facilities management
- City development
- Infrastructure and transport
- Utilities network management
- Public administration
- Environmental monitoring and landscape planning



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