



**Web-Based**  
Geographical Information System

**Information includes:**

- site asset information
- decommissioning records
- historical maps and photographs
- topography
- aerial and satellite photography
- geophysical surveys soil and groundwater
- health physics data
- drainage inspection surveys
- site investigation data
- environmental monitoring series data

## Geographical Information System

### The Challenge

The operation and decommissioning of a nuclear power facility generates large volumes of data to support site management activities. Much of this data must be retained under site licence conditions. British Nuclear Group Project Services tasked Nexia Solutions to develop a system to store and manage spatial data across 11 Magnox sites.

### The Solution

Nexia Solutions has produced a centrally managed Geographical Information System (GIS). This innovative piece of software stores and grants access to decommissioning and contaminated land related data held by site licensees. A centralised, web-based system (see screenshot, left), GIS allows users to access site data such as reports, borehole logs, photographs and videos.

### The Benefits

Providing a single point of access for all contaminated land data is significantly reducing customers' operating costs. The system also secures data by ensuring it is backed up and permanently available. In addition, the GIS helps improve the quality of work: not only providing the most up to date information but acting as a tool to communicate complex data sets to stakeholders in a clear and concise manner.

Using this system could result in significant site savings from management decisions drawing on improved data sets and through secure data storage which can reduce the need for repeat data collection campaigns, typically costing hundreds of thousands of pounds.

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