

Radius Mobile is the portable Version of Radius Vision, designed specifically to optimise data capture and performance in the field.

Radius Mobile is a powerful, feature-rich GIS (Geographic Information System) that runs on small-screen pen computers with no keyboard input required. The system's set of survey functions can be used to efficiently construct geometry from survey data captured in the field. Maps can be downloaded to mobile computers, taken out into the field and updated onsite, allowing map maintenance to be combined with the surveying process. Amendments are sent directly to the organisation's central database, ensuring high quality and timely data updates.

Radius Mobile runs on Microsoft Windows platforms and is based on 1Spatial's own GIS component library, *GISobjects*. Since the products in the family are built from the same basic components, they have a similar "look and feel", share the same file and data formats and provide a high degree of interoperability.

Features

GPS and EDM/Total station support

- Wide range of Survey functions including:
 - Simple surveying from base line (line and offset)
 - Distance and bearing
 - Polar base line surveying
 - Distance from two known points (bilateration)
 - Distance from three known points (trilateration)
 - Intersection
 - Projection
 - Prolongation
- Full Oracle Spatial support
- Provides data format independence
- Full integration with FME Suite from Safe Software
- Full topological support
- No limitations on thematic structuring
- Multi-featuring allowing elements to be owned by more than one theme
 - Built in Scripting language enabling customisation of applications
 - Powerful topological graphic editing and surveying functions
 - Flexible analysis tools
 - Sophisticated cartographic presentation definition
 - A wide range of batch programs for geometry processing

Who is it for?

Any mapping organisation that would benefit from the time, cost and efficiency savings provided by Radius Mobile's advanced field technology.

Sample Implementations

Ordnance Survey Ireland

Utilised as the Corporate GIS Editor for all LargeScale map production.

National Mapping Agency Malaysia

Used for Corporate Field editing in all regional offices

Benefits

- Radius Mobile enables users to perform immediate, rapid and efficient data editing in the field, saving valuable time and resources.
- Complex database queries can be easily constructed, meaning that your employees are freed up to work on other critical tasks
- Radius Mobile is designed to work around your requirements, allowing users to tailor applications and streamline the production line process.
- Radius Mobile features standard Windows functionality such as multiple map views, scrollbars, drag-and-drop and copy and paste, creating an easy-to-use interface that staff are familiar with meaning there is no need for additional training or time spent on mastering new user interfaces.

New and Enhanced Features

New Modules

- **General Oracle converter**
- **Lsprodline**
- **Edgematcher**
- **Processgfo**
- **TransformFile**
- **GfoReorg**
- **Production server**
- **Distribution server**
- **Gothic connector**
- **Gothic Transaction Manager**

Enhanced functionality

- **Flagarea supporting GFO**
- **Gradient supporting GFO**
- **Centrally stored options**
- **MSI setup**
- **Improved Dictionary with Lists and Indexed lists**
- **New Review functions**
- **New script functions**
- **NTF Read/Write**