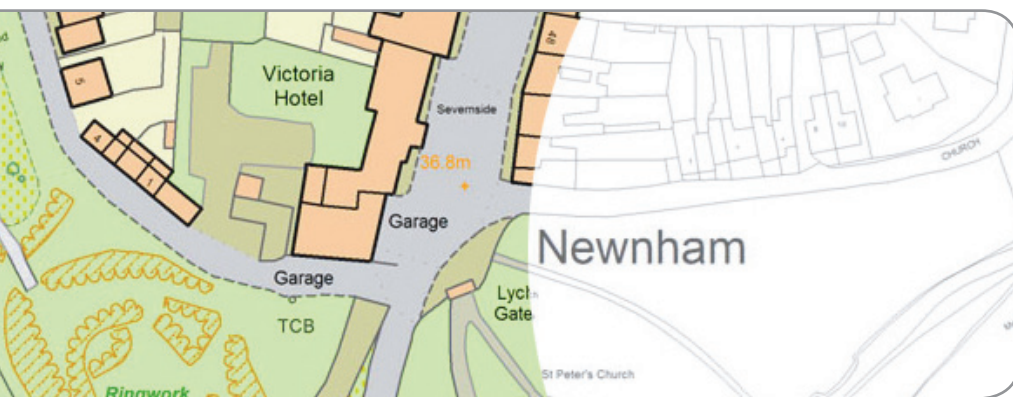


Liberate GIS environments

With services and support from the Miso Team

When GIS infrastructure and delivery are causing headaches by tying up skilled resources, a cost-effective, seamless solution is vital. Miso eradicates inefficiencies, streamlining the delivery of services.



Optimised OSMM as delivered by Miso Data Optimiser's OSMM module (left), 'raw' OSMM (right)

GIS infrastructures are complex and require continuous, detailed management to ensure that the data remains current, compliant and available. If data is not managed to this standard, inaccurate and misleading data will permeate across the organisation, decreasing the quality of decisions and activities.

Many data management tasks are repetitive and manual in nature but require a highly skilled GIS manager to complete them, creating bottlenecks in delivery and decreasing the value of these skilled resources. The solution is to automate these low value tasks into services and integrate these services into the IT infrastructure.

The solution

Miso is a hosted services platform that transforms the way that GIS environments are managed. It combines a function-rich, self-service information web portal with a specialist data environment and compliance advisory service. It ensures the GIS infrastructure and its users always have access to the right data, in the right format, at the right time and in the right manner. Critically, it significantly reduces the amount of management effort required to maintain the environment.

For organisations fortunate enough to retain a specialist GIS resource, Miso enables those staff to focus their efforts on advanced data analysis which adds far greater value to the organisation, rather than time-consuming routine maintenance and compliance.

Miso also supports IT managers in managing the complex spatial infrastructures by providing robust infrastructure services. It bolsters this with advanced compliance workflows and advice.

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MISOINTA Issue 1.6 June 2011

Overview

Miso is a hosted services platform, with offline support, which concentrates on three key themes:

- Infrastructure Support
- Analysis
- Compliance and Support

Pick and mix modules within each theme allow an organisation to build a solution which best meets its needs.

Benefits

- It liberates GIS & IT Managers and internal & external users
- It frees up skilled resources to concentrate on advanced analytics
- It reduces reliance on scarce expertise
- It enables the expansion of location based information in a controlled environment



The modular approach

Building the best solution

Miso is a modular platform which enables clients to customise the service to their specific requirements. Organisations can build a package which suits their needs and which can be flexed should user demand increase or specialist resources decrease.

Online modules include data optimisation and data sharing, as summarised below.

miso data optimiser

Fast data processing

Data Optimiser frees up the time taken to process OS MasterMap and/or OS VectorMap Local data in-house, by automatically providing up-to-date translated and styled data each quarter.

Styled data is intuitive to understand, and the optimisation process makes it far easier to use by adding additional information such as look up tables.

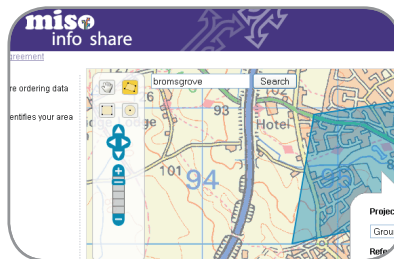


miso info share

Simplified data sharing

Info Share streamlines data sharing, reducing the cost of providing data and speeding up the delivery of projects.

The Info Share web portal enables internal staff and partners to self-serve internal and third party data on demand. Data is regularly updated and an audit trail of licence agreements and data requests is maintained.



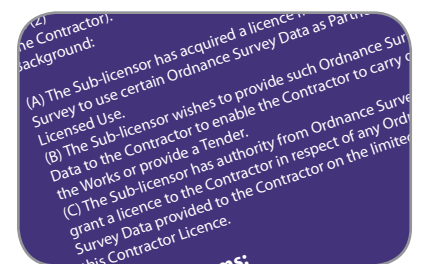
miso advisor

The personal approach

Miso Advisors support IT Managers or other key staff in maintaining the environments necessary for the increasingly complicated fields of data management and compliance.

Miso Advisors help reduce the risk of inadequate data management and licence infringement.

Services include regular review meetings, training, mentoring and consultancy.



Future plans

Modules in development

Miso subscribers will have access to a wider range of modules including a self service map making wizard, data analysis tools and a range of innovative delivery mechanisms including WFS.

Miso subscribers will automatically be notified of the launch of new Miso modules.

More information

A detailed view

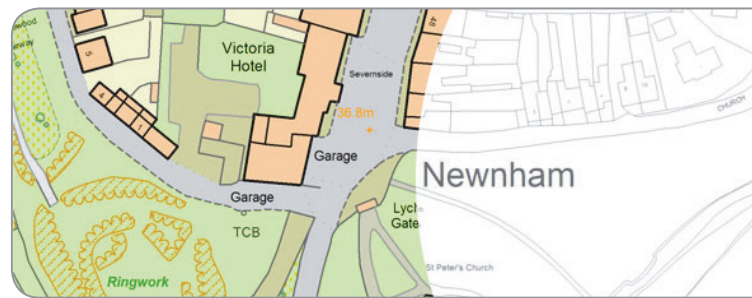
The Data Optimiser and Info Share information sheets provide more information about the modules available, or call us on 01527 556920 for advice.

Miso Data Optimiser: data that's intuitive to use

Key datasets optimised, translated and ready-to-go

Data Optimiser frees up the time taken to style and translate OS MasterMap and/or OS VectorMap Local into formats suitable for use in GIS and/or CAD systems.

Data is simply downloaded from our web portal, which is available 24/7. We even update it quarterly, so you know that the data available to you is the most current available.



Optimised OS MasterMap as delivered by Data Optimiser (left), 'raw' OSMM (right)

OS MasterMap Module

From GML to your GIS

Data Optimiser OSMM processes and translates the following layers:

- Topography Layer
- ITN Layer, including Urban Paths Theme
- Address Layer
- Address Layer 2

OS VectorMap Local Module

Scaleable and optimised

Our OS VectorMap Local dataset is highly optimised, as shown in the illustration to the right.

Styling choices

Your styling or ours

A parameter file determines the styles that are applied to each feature and the layer to which that feature is written within the constraints of the format.

Dotted Eyes has created two default parameter files appropriate for either CAD or GIS use.

Alternatively, a customer's own parameter file can be applied. This ensures that data looks consistent to users.

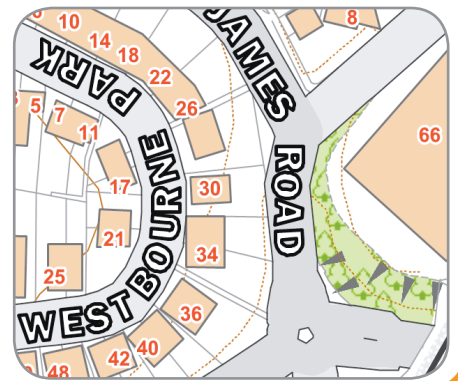
VectorMap Local as output from Data Optimiser (right). Text and symbols are converted into polygons which every system can draw in a consistent way, following the shape of roads. A clean set of road areas are created which are colour-coded by road classification. Shapes are created for slopes and cliffs which match the conventional 'hachure' patterns and display cuttings and embankments as clearly as possible.

Formats

Data the way you need it

Data is processed into one of the following formats:

- MapInfo .TAB
- ESRI .SHP
- AutoCAD .DWG or .DXF



New data

Automatic quarterly updates*

Users are automatically notified when updated data has been uploaded to their Miso portal. All they have to do is log in and download it at their convenience.

Coverage available

Choose from the following:

- County
- Government Office Region
- National cover

Subscription details

Fixed cost access

Modules available from £650 ex VAT per annum

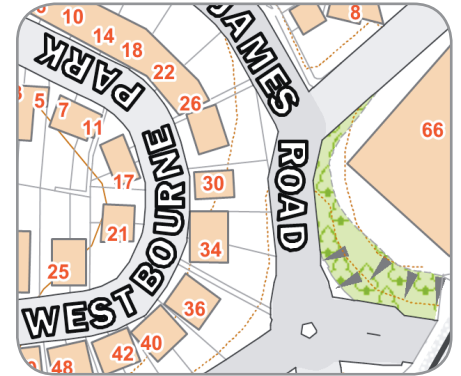
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OS VectorMap Local

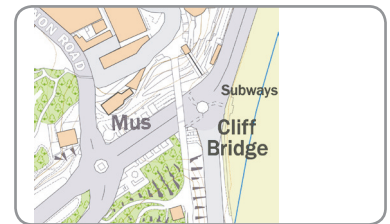
The key scalable dataset, translated and optimised

OS VectorMap Local is designed for use in web mapping and GIS or CAD software. Its styling is consistent throughout a wide range of scales and the cartography displays as much information as possible while ensuring the map is easily legible. Its appearance is readily configurable to suit particular applications.

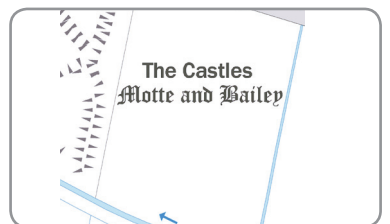
Our Data Optimiser OS VectorMap Local module optimises the data, as outlined below. The optimised data is delivered via our Miso web portal, and is updated quarterly.



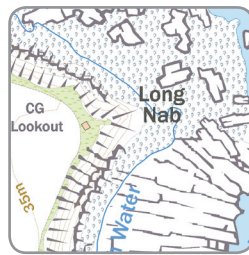
Tunnels are supplied as edge lines in OS VectorMap Local, though there are no tunnel polygons. Data Optimiser creates areas for tunnels – ranging in size from pedestrian subways to the Channel Tunnel – which enables them all to be identified easily.



Text and symbols are precisely defined in OS VectorMap Local, but many GIS and CAD systems are unable to render them in exactly the right position and orientation at every scale. Data Optimiser converts them into polygons which every system can draw in a consistent way, following the shape of roads as drawn by Ordnance Survey.



Islands and similar shapes within water or other areas in OS VectorMap Local are joined to the edges by 'bridging lines'. This means that such features do not conform to the OGC standards required by spatial databases. Data Optimiser converts them into valid 'doughnut polygons' which can be stored and displayed by all systems.



Roads in OS VectorMap Local have 'casing lines' either side, though gaps and overlaps prevent these lines forming casing polygons. Road centre-lines are also supplied, but they are not a good fit with the casing lines. Data Optimiser resolves these issues to create a clean set of road areas which are colour-coded by road classification.

Railways are supplied as lines in OS VectorMap Local, though there are no railway polygons. Data Optimiser creates areas for railway track beds, which means that features such as bridges and level crossings are depicted in an unambiguous way.



Slopes are supplied in OS VectorMap Local as simple lines, though rocky areas consist of custom polygons. Data Optimiser creates shapes for slopes and cliffs which perfectly match the conventional 'hachure patterns' and portray cuttings and embankments as clearly as possible.

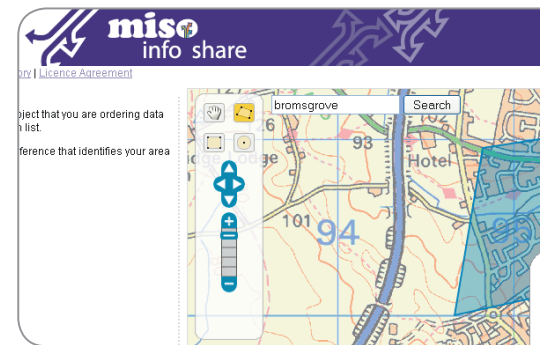
Miso Info Share

Data sharing simplified

Info Share is the fast, cost-effective way to share internal and third party data with contractors, partners and staff, allowing local government organisations to meet the new imperatives to share data across a broadening number of partners to deliver on changing local government and related NHS reforms. It also allows commercial and not-for-profit organisations to streamline their data sharing processes, saving time and money.

Info Share ensures compliance with complicated licence agreements and maintains an audit trail of electronic licence signatures and data usage.

Once licence agreements have been accepted, users simply select the area and the dataset/s they need. The data is automatically cut-out and made available.



What's included?

Datasets & formats

Info Share is the ideal way to make Ordnance Survey datasets available to staff, partners and contractors.

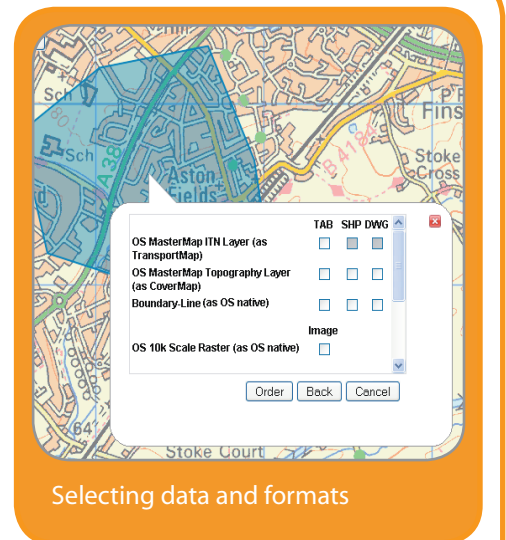
Data Optimiser OSMM customers can share OS MasterMap Topography and ITN Layers styled in TAB format.

In addition, all Local Authority customers* can share the following Ordnance Survey datasets, unstyled.

*Organisations must be entitled to PMSA data

- Boundary-Line
- Code-Point®
- Code-Point® with polygons
- OS Street View®
- 1:10 000 Scale Raster
- 1:50 000 Scale Colour Raster
- 1:250 000 Scale Colour Raster

The raster datasets can be downloaded in TIFF with TAB and TFW files. The vectors can be downloaded in TAB, SHP or DWG.



Selecting data and formats

Internal data

Sharing OS data

An optional module allows an organisation to share up to 4 internal datasets across staff and contractors.

Datasets can be imported in .csv or .xls format, and must include a postcode or X and Y co-ordinates.

Access to the datasets can be restricted to certain users.

Subscription details

Only pay for what you use

There is a fixed cost for access to Info Share to share maps for one county. This includes setting up and maintaining the service, such as updating data quarterly.

An optional Internal Data module is available for sharing up to 4 internal datasets.

Transactions (cut-outs) are available in bundles of 10.

Please contact us for pricing

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* All Miso Info Share customers must have the relevant data licenses and a valid subscription to Miso Data Optimiser. If you have InterpOSE/SuperpOSE Desktop GML on maintenance, please contact us to find out about any special offers we may run.

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